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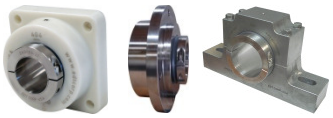
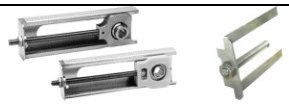
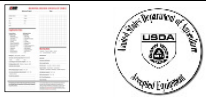
New from EDT	Our newest products		Orange
Poly-Round® Solution	Poly-Round® inserts in Solution® polymer or stainless housings		Peach
Poly-Round® Inserts	Poly-Round® inserts can be used in any housing; different styles and materials available for different temperatures		Royal blue
Part Numbering	EDT part number system illustrated	N A 1 G E P – 23 – L K	Red
Type E Solution®	Type E and RPB retrofit tapered roller bearing assemblies		Yellow
Stainless Ball Solution®	Stainless ball bearings in Solution® polymer or stainless housings, or purchase separately; available food grade grease or solid lubricated		Light Gray
Specialty Bearings	- Bearings for submerged oil - Snack food - Breaders - Peelers - Dryer lids - Produce - Fryers - Yamato Weigh scales		Pink
Product Flyers	Posters available in various sizes: - Poly-Round® into housing - Selecting EDT Bearings - Reuse/replace breader bearings		Amber
Miscellaneous	*Your section – use as you like*		White
Unmounted Radial Bearings	Radial Poly-Round® bearings and radial ball bearings. Ball bearings are available greased or solid lubricated.		Gray
Solution® Housings	Bearing housings, polymer or stainless, are available without an insert. Dimensions here.		Green
SS Take-Up Frames	Stainless frames fit any brand take-ups; styles: - wide - narrow - weld-on		Gray
Technical and Design	Engineering data, USDA list, Kosher certification, hardware, technical updates, part numbers		Brown
User Handbook	Guide of installation and maintenance information, lubrication, troubleshooting		Purple

POLY-ROUND® PLUS

NOW! The industry's most cost-effective bearing is easier than ever to use more widely

Poly-Round® Plus features an anti-rotation pin that allows installation into most housings

Advantages of using Poly-Round® Plus

- Extended up-time and reduced PM time
- Use NO grease
- Unaffected by wash-down
- Will not rust
- Choice of materials depending on application
- Quick retrofit into most bearing housings

Consider Poly-Round® Plus bearings for environments where it is difficult to maintain ball bearings, like:

- High levels of sanitation
- High or low temperature
- Washdown
- Process moisture, steam, brine, submerged
- Partial rotation or start-stop
- Impact
- Corrosion

Appropriate locations for Poly-Round® bearings

- Modular plastic belts
- Wire belts
- Idlers, including ovens
- Freezers
- Dumpers
- Blenders and mixers
- Wastewater equipment

edt

Bearings For Severe Service Environments

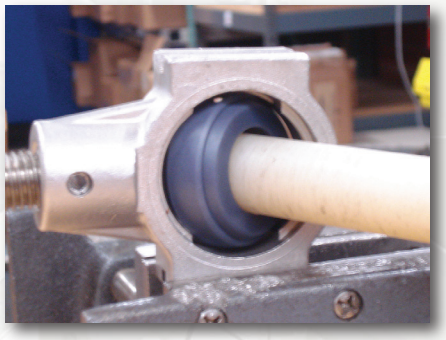
Gain the advantages of Poly-Round® bearings Plus reuse your housings

Maximize your maintenance budget with Poly-Round® Plus bearings

Poly-Round® Plus COST OF OWNERSHIP EXAMPLE

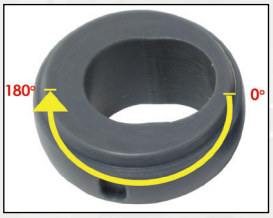
Stainless ball bearing assembly changed every three months		Stainless ball bearing assembly changed to EDT Poly-Round® Plus and reuse stainless steel housing	
Year 1 - 1st Quarter			
Original bearing SUCSFL205-16	$64.00	Original bearing SUCSFL205-16	$64.00
Installation labor $35/hr x ½ hr	$17.50	Installation labor $35/hr x ½ hr	$17.50
Lubrication: Lube .30/0z x 1 oz x 5 times/week	$1.50	Lubrication: Lube .30/0z x 1 oz x 5 times/week	$1.50
Labor $35/ hr x [2 min x 5 times/ week = 10 min]	$5.83 $7.33 x 12	Labor $35/ hr x [2 min x 5 times/ week = 10 min]	$5.83 $7.33 x 12
Maintenance cost over 12 weeks	$87.96	Maintenance cost over 12 weeks	$87.96
Q1 total cost to operate bearing	**$172.46**	**Q1 total cost to operate bearing**	**$172.46**
Q2 replace same unit with same PM cycles	$172.46	Replace bearing insert with Poly-Round® Plus NAIPCO-C + sleeve ZALUC6-16-LK	$48.00 $90.00 $138.00
Q3 replace same unit with same PM cycles	$172.46	Q3 Poly-Round® Plus operates with low/no maintenance	$0.00
Q4 replace same unit with same PM cycles	$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	$0.00
Year 1 total cost for bearing	$689.84	Year 1 total cost for bearing	$310.46
One year savings with Poly-Round® Plus	**$379.38 savings**		
Year 2 Q 1 – replace same unit at same costs	$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	$0.00
Q2 replace same unit at same costs	$172.46	½ hr labor to 180° rotate Poly-Round® Plus	$17.50
Q3 replace same unit at same costs	$172.46	Q3 Poly-Round® Plusoperates with low/no maintenance	$0.00
Q4 replace same unit at same costs	$172.46	Q4 Poly-Round® Plus operates with low/no maintenance	$0.00
Year 2 total cost for bearing	$689.84	Year 2 total cost for bearing	$17.50
		Y2 Savings with Poly-Round® Plus	**$672.34**
Y1 + Y2 costs	**$1,379.68**	**Y1 + Y2 costs**	**$327.96**
Two year savings with Poly-Round® Plus	**$1,051.72 savings**		

On tractor-driven conveyor belts, EDT GUARANTEES 'NA' and 'QF' Poly-Round® Plus for 1 YEAR or we'll replace the bearing



THE 180° ADVANTAGE!

When insert wears too far in one direction, rotate insert 180° to use the unworn portion



Let EDT Help!

To check which bearing is best for your application, complete a Bearing Design Checklist (BDC) today and you'll hear from us promptly!

www.edtcorp.com/html_pages/technical.html

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Bearings For Severe Service Environments

EDT Corp • 1006-J NE 146th St. Vancouver, WA 98685 • 800-810-7110 • sales@edtcorp.com • www.edtcorp.com

DoubleLock® with KleanCap® Screw

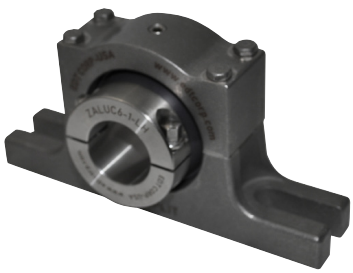
EDT's KleanCap® Screw is a screw with a unique RAISED hex-cap

- Better HACCP compliance by eliminating socket cavities
- Made of 300-series SS for maximum corrosion resistance
- More positive drive than a socket head fitting

KleanCap® Screws in DoubleLock® sleeves provide a **more sanitary** and **more positive locking** mechanism than socket screws offer.

New KleanCap® Screws raise the SANITATION bar

Ideal for HACCP programs



EDT was the first plane bearing manufacturer to offer locking sleeves to control the surface finish of the journal AND laterally retain the bearing and shaft location relative to each other.

Set screw

DoubleLock®
"split clamp" locking

KleanCap® DoubleLock®
"split clamp"
with raised hex-cap

It's easy to retro-fit DoubleLock® '-LC' sleeves → KleanCap® DoubleLock® '-LK'

1) By changing the screws on DoubleLock® sleeves you have

KleanCap® screws				
Hardware part number	**Dimensions**	**LK screws for sleeves**	**Socket** (Thin walled deep socket)	**Recommended tightening torque***
KCS1/4-28	1/4 - 28 x 5/8" KleanCap® Screw	Group Sizes A thru F	1/4"	110 in/lbs
KCS516-24	5/16 - 24 x 5/8" KleanCap® Screw	Group Sizes G thru J	5/16"	200 in/lbs
KCS3/8-24	3/8 - 24 x 5/8" KleanCap® Screw	Group Sizes K thru O	3/8"	350 in/lbs

* This is not higher than setscrew locking, just easier to accomplish with a socket driver rather than an Allen wrench

2) By changing the DoubleLock® sleeve suffix from -LC to -LK when ordering

DoubleLock® (with socket head cap screw) p/n suffix '-LC'	KleanCap® DoubleLock® p/n suffix '-LK'
ZALUA6… LC	ZALUA6… LK
ZALUB6… LC	ZALUB6… LK
ZALUC6… LC	ZALUC6… LK
ZALUD6… LC	ZALUD6… LK
ZALUE6…. LC	ZALUE6… LK
ZALUF6… LC	ZALUF6… LK
ZALUG6… LC	ZALUG6… LK
ZALUH6… LC	ZALUH6… LK
ZALUI6… LC	ZALUI6… LK
ZALUJ6... LC	ZALUJ6… LK
ZALUK6… LC	ZALUK6… LK
ZALUL6… LC	ZALUL6… LK
ZALUM6… LC	ZALUM6… LK
ZALUO6… LC	ZALUO6… LK

Next time you order EDT bearings, choose the one with features that stand above all others... the raised hex-cap of KleanCap® Screws

POLY-ROUND® SOLUTION® MOUNTED BEARINGS

Greaseless Poly-Round® bearing insert in non-corrosive housing solves maintenance and contamination issues

- Housings and inserts are USDA accepted
- Poly-Round® bearings have no moving parts
  - Perfect for HAACP programs
  - Sanitary operation
- Reliably operate in locations where ball bearings fail
- Save time – zero maintenance without regreasing or rust
- Save money – reuse most components to maximize investment
- Eliminate production down time – predictable wear, no catastrophic failure

Greaseless Poly-Round® Insert + **Solution® Noncorrosive Bearing Housing** = **Poly-Round® Solution®**

Features and benefits

- No grease – eliminate problems associated with grease: viscosity, contamination, expense, labor
- Entire polymer unit is bearing (translates to longer usable life) and accommodates thrust
- Optimize the bearing for your requirements:
  - Variety of materials with different properties
  - Various styles for different installations
- Predictable wear allows planned maintenance rather than emergency replacement
- Ideal for HACCP and other maintenance programs.


Standard Poly-Round®


Narrow Poly-Round®


Split style Poly-Round®


Poly-Sphere®


Poly-Round® freezer bearing


Poly-Round® oven bearing

Poly-Round® has two anti-rotation slots at 180°

Flip bearing insert 180° to fully utilize the polymer.

FOR DESIGN ASSISTANCE

Complete a Bearing Design Checklist (BDC)
See page H-3 or go to www.edtcorp.com

Features and benefits

- Smoothest surface finishes and no metal crush inserts for highest levels of sanitation
- Option of QuiKlean® integral stand-off reduces 'foot print' and enables better wash down accessibility
- Wide range of styles available
- Accept EDT and other brands of inserts for re-grease or no-lube


Polymer Temp Range: -40°F to +150°F


Stainless Temp Range: Cryogenic to +1000°F

Poly-Round® plane bearings are ideal for tough applications where ball bearings don't perform as reliably as desired, such as:

- Sanitary – HACCP
- High or low temperature
- Wash-down or steam
- Exposure to processing liquids, chemicals
- Incomplete rotation or oscillating motion
- Submerged in liquids
- Locations difficult to regularly maintain

Use ball bearings in these applications:

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (unsupported shaft mounted gear reducers)
- Trunnion applications
- Where plane bearings are not suitable, see EDT's ball bearing options.

What are plane bearings?

Plane bearings operate without rolling elements. The term 'plane' comes from geometry; it establishes the *plane of operation* of the centerline relative to the load.

Plane bearings can be made from a variety of materials (metals, woods, polymers, other materials). Bearing-grade polymers incorporate lubricity into the material to operate without needing any grease. Plane bearings without any grease or oil are considered Class 3 plane bearings. **EDT specializes in Class 3 polymer plane bearings**.

EDT offers a complete line of polymer plane bearings that interchange with insert ball bearings, both UC-style (setscrew) and SA-style (eccentric).

EDT Poly-Round® solid polymer inserts (Fig 3) and All-Round® polymer-and-stainless inserts (Fig 4) are available in a variety of polymer materials, each having different ranges of capabilities (see Material Selection Chart).

Arrows indicate wall thickness of polymer in EDT insert bearings

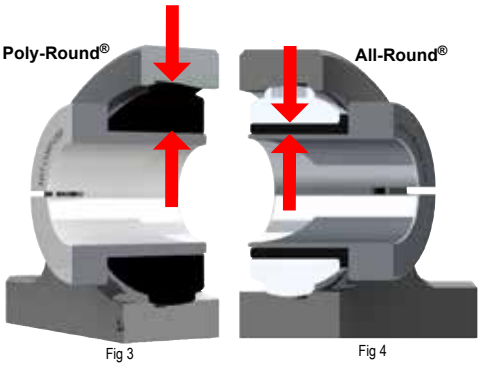


Fig 3 Fig 4

Check with EDT regarding the most appropriate style of bearing and bearing material for the specific applications you have. Poly-Round® bearings are an excellent choice on most applications where speed is not too fast. (All-Round® bearings are shown in the All-Round® section of the EDT catalog.)

NA
gray

MY, MZ, QF
black

PA UHMW
white

AA, FA
white

Material Selection Chart

	Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval ⅄
						Wash down	Submerged					
Bearings	PA UHMW white	1,000	50	800	150°F / 65°C	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	AA white	2,000	200	1,000	160°F / 71°C	Excellent	Good	Fair	Fair		Fair	Direct
	NA gray	6,000	350	2,000	200°F / 93°C	Excellent	Good	Fair	Good		Excellent	Incidental
	FA white	6,000	350	1,000	500°F / 260°C	Excellent	Excellent	Poor	Excellent		Excellent	Direct
	QF black	60,000	400	6,000	450°F / 232°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MZ black	6000	300	4,000	650°F / 343°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY black	5000	250	3,000	800°F / 425°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental

* PV limits are shown for un-lubricated radial bearing applications.
Low temperature / submerged installation may permit PV limits up to 2x higher.

⅄ All EDT products are suitable for use in food processing. Only locations with direct food contact require "direct" USDA/FDA contact approval

Plane bearing capacity is measured by PV and will determine the amount of heat generated in the bearing. PV is the relationship of the load to the shaft speed in a bearing.

Factors influencing PV limits (heat generation) include:

- Material selection
- Journal surface finish
- Bearing wall thickness
- Running clearance
- Proximity to moisture
- Ambient temperature
- Cycle time

HOW TO CALCULATE PV

PV - P x V
P - pressure in PSI (lbs/sq in)
V - velocity in SFM (surface ft/min)
P - F/A
where F = force (load) on bearing
A = shaft dia (in) x LTB
(LTB = bearing length through the bore)
V - .262 x D x RPM
where D = shaft diameter (in)
RPM = shaft revolutions/min

Poly-Round® and Poly-Sphere® Bearings

Dimensionally Interchanges with Wide Inner Ring Insert Standard Poly-Round® Bearings

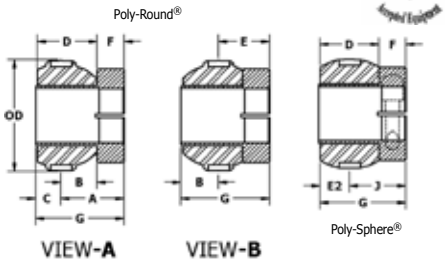
NOTE:
Poly-Sphere® and Split Poly-Sphere®
fit into special housings


Sample p/n
(_ _ IUC7-x-LK)


Sample p/n
(_ _ OUC7-x-LK)


Poly-Round®
(_ _ IUCO-x)


Poly-Sphere®
(_ _ OUCO-x)

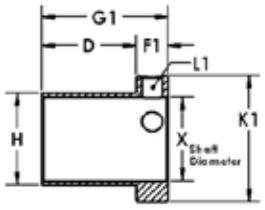


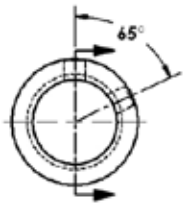
x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	**Poly-Round® Insert with Sleeve**				Wt	G	G1	J	A	B	C	D	E	E2	F
				Poly-Round® with KleanCap™ DoubleLock® Sleeve	Split Poly-Round® with KleanCap™ DoubleLock® Sleeve	Poly-Sphere® with KleanCap™ DoubleLock® Sleeve	Split Poly-Sphere® with KleanCap™ DoubleLock® Sleeve		with LK sleeve	with setscrew sleeve								
mm	in	16ths		Setscrew Sleeve	Split Sleeve	Setscrew Sleeve	Split Sleeve	lbs	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	_ IUAO-x	_ _IUAT-x	_ _OUA7-x	_ _OUAT-x											
15	9/16	9	**1.575**	_ _IUA7-x-LK	_ _IUAT-x-LK	_ _OUA7-x-LK	_ _OUAT-x-LK	.2	1.38	1.23	0.96	1.04	0.60	0.34	0.91	0.75	0.46	0.44
	5/8	10	203						35.1	(-.15)	24.3	26.4	15.2	8.7	23.2	19.1	11.6	11.2
17	11/16	11	**A**	_ _IUA7-x	_ _IUAT-x-LKT	_ _OUA7-x	_ _OUAT-x-LKT											
12	**1/2**	**8**		_ IUBO-X	_ _IUBT-x	_ _OUB7-x	_ _OUBT-x											
	9/16	9	47															
15	**5/8**	**10**	**1.850**	_ _IUB7-x-LK	_ _IUBT-x-LK	_ _OUB7-x-LK	_ _OUBT-x-LK	.3	1.57	1.42	1.02	1.10	0.60	0.44	1.04	0.94	0.52	0.50
17	11/16	11	204						39.8	(-.15)	25.9	27.9	15.2	11.2	26.3	23.8	13.2	12.7
	3/4	**12**	**B**	_ _IUB7-x	_ _IUBT-x-LKT	_ _OUB7-x	_ _OUBT-x-LKT											
20																		
	3/4	12	52	_ IUCO-x	_ _IUBT-x	_ _OUC7-x	_ _OUCT-x											
	13/16	13	**2.047**															
	7/8	14	205	_ _IUC7-x-LK	_ _IUCT-x-LK	_ _OUC7-x-LK	_ _OUCT-x-LK	.4	1.63	1.48	1.05	1.16	0.66	0.47	1.10	0.94	0.55	0.50
	15/16	15							41.4	(-.15)	26.7	29.5	16.8	11.9	27.9	23.8	13.9	12.7
25	**1**	**16**	**C**	_ _IUC7-x	_ _IUCT-x-LKT	_ _OUC7-x	_ _OUCT-x-LKT											
	1	16	62	_ IUDO-x	_ _IUDT-x	_ _OUD7-x	_ _OUDT-x											
	1-1/16	17	**2.441**															
	1-1/8	18	206	_ _IUD7-x-LK	_ _IUDT-x-LK	_ _OUD7-x-LK	_ _OUDT-x-LK	.6	1.82	1.77	1.14	1.30	0.80	0.52	1.29	0.99	0.64	0.50
30	**1-3/16**	**19**	**D**						46.2	(-.05)	29.0	32.9	20.2	13.2	32.7	25.1	16.3	12.7
	1-1/4	20		_ _IUD7-x	_ _IUDT-x-LKT	_ _OUD7-x	_ _OUDT-x-LKT											
	1-3/16	19	72	_ IUEO-x	_ _IUET-x	_ _OUE7-x	_ _OUET-x											
	1-1/4	**20**	**2.835**															
	1-5/16	21	207	_ _IUE7-x-LK	_ _IUET-x-LK	_OUD7-x-LK	_ _OUET-x-LK	.8	2	1.97	1.26	1.47	0.97	0.53	1.47	1	0.74	0.50
	1-3/8	22							50.8	(-.03)	32.0	37.3	24.6	13.5	37.3	25.4	18.1	12.7
35	1-7/16	23	**E**	_ _IUE7-x	_ _IUET-x-LKT	_ _OUE7-x	_ _OUET-x-LKT											
	1-7/16	23	80	_ IUFO-x	_ _IUGT-x	_ _OUF7-x	_ _OUFT-x											
	1-1/2	**24**	**3.150**															
	1-9/16	25	208	_ _IUF7-x-LK	_ _IUFT-x-LK	_ _OUF7-x-LK	_ _OUFT-x-LK	1.0	2.13	2.16	1.30	1.51	1.01	0.59	1.60	1.09	0.80	0.50
40	1-5/8	26	**F**						54.1	(+.03)	33.0	38.3	25.6	15.0	40.6	27.8	20.3	12.7
				_ _IUF7-x	_ _IUFT-x-LKT	_ _OUF7-x	_ _OUFT-x-LKT											
	1-1/2	24	85	_ _ IUGO-x	_ _IUGT-x	_ _OUG7-x	_ _OUGT-x											
	1-5/8	**26**	**3.346**															
	1-11/16	27	209	_IUG7-x-LK	_ _IUGT-x-LK	_ _OUG7-x-LK	_ _OUGT-x-LK	1.2	2.32	2.23	1.46	1.69	1.07	0.59	1.66	1.22	0.80	0.63
45	**1-3/4**	**28**	**G**						58.9	(-.09)	37.0	43.0	27.2	15.0	42.2	31.0	21.9	15.9
				_ _IUG7-x	_ _IUGT-x-LKT	_ _OUG7-x	_ _OUGT-x-LKT											
	1-11/16	27	90	_ _ IUHO-x	_ _IUHT-x	_ _OUH7-x	_ _OUHT-x											
	1-3/4	28	**3.543**															
	1-13/16	29	210	_ _IUH7-x-LK	_ _IUHT-x-LK	_ _OUH7-x-LK	_ _OUHT-x-LK	1.3	2.32	2.23	1.48	1.69	1.07	0.60	1.66	1.22	0.83	0.63
	1-7/8	30							58.9	(-.09)	37.6	43.0	27.2	15.2	42.2	31.0	21.1	15.9
	1-15/16	**31**	**H**	_ _IUH7-x	_ _IUHT-x-LKT	_ _OUH7-x	_ _OUHT-x-LKT											
50	**2**	**32**																
	1-15/16	31	100	_ _ IUIO-x	_ _IUIT-x	_ _OUI7-x	_ _OUIT-x											
	2	32	**3.937**															
	2-1/16	33	211	_ _IUI7-x-LK	_ _IUIT-x-LK	_ _OUI7-x-LK	_ _OUIT-x-LK	1.8	2.50	2.41	1.58	1.85	1.22	0.62	1.85	1.25	0.93	0.63
	2-1/8	34							63.6	(-.09)	40.1	47.0	31.1	15.8	47.0	31.8	23.6	15.9
55	**2-3/16**	**35**	**I**	_ _IUI7-x	_ _IUIT-x-LKT	_ _OUI7-x	_ _OUIT-x-LKT											
	2-1/4	36																
	2-3/16	35	110	_ _ IUJO-x	_ _IUJT-x	_ _OUJ7-x	_ _OUJT-x											
	2-1/4	**36**	**4.331**															
	2-5/16	37	212	_ _IUJ7-x-LK	_ _IUJT-x-LK	_ _OUJ7-x-LK	_ _OUJT-x-LK	2.0	2.75	2.66	1.70	2.06	1.44	0.66	1.44	1.28	1.05	0.63
	2-3/8	38							69.9	(-.09)	43.2	52.4	36.5	16.8	36.5	32.5	26.7	15.9
60	**2-7/16**	**39**	**J**	_ _IUJ7-x	_ _IUJT-x-LKT	_ _OUJ7-x	_ _OUJT-x-LKT											
	2-7/16	39	125	_ _ IUKO-x	_ _IUKT-x	_ _OUK7-x	_ _OUKT-x											
	2-1/2	40	**4.921**															
	2-5/8	42	214	_ _IUK7-x-LK	_ _IUKT-x-LK	_ _OUK7-x-LK	_ _OUKT-x-LK	4.0	2.88	2.85	1.83	2.10	1.35	0.75	2.10	1.50	1.05	0.75
	2-11/16	43							73.2	(-.03)	46.5	53.3	34.3	19.0	53.3	38.1	26.7	19.1
70	**2-3/4**	**44**	**K**	_ _IUK7-x	_ _IUKT-x-LKT	_ _OUK7-x	_ _OUKT-x-LKT											
	2-11/16	43	130	_ _ IULO-x	_ _IULT-x	_ _OUK7-x	_ _OULT-x											
	2-3/4	44	**5.118**															
	2-13/16	45	215	_ _IUL7-x-LK	_ _IULT-x-LK	_ _OUK7-x-LK	_ _OULT-x-LK	3.4	2.88	2.85	1.83	2.04	1.29	.81	2.10	1.56	1.05	0.75
	2-7/8	46							73.2	(-.03)	46.5	51.8	32.7	20.5	53.3	39.7	26.7	19.1
75	**2-15/16**	**47**	**L**	_ _IUL7-x	_ _IULT-x-LKT	_ _OUK7-x	_ _OULT-x-LKT											
	3	**48**																
	2-3/4	44	140	_ _ IUMO-x	_ _IUMT-x	_ _OUL7-x	_ _OUMT-x											
	2-7/8	46	**5.511**															
	2-15/16	47	216	_ _IUM7-x-LK	_ _IUMT-x-LK	_ _OUL7-x-LK	_ _OUMT-x-LK	4.2	3.13	3.13	1.93	2.26	1.51	.84	2.35	1.59	1.18	0.75
	3	48							79.5	(0)	49.0	57.4	38.4	21.3	59.7	40.4	29.9	19.1
80	3-3/16	51	**M**	_ _IUM7-x	_ _IUMT-x-LKT	_ _OUL7-x	_ _OUMT-x-LKT											
	2-3/4	44	160	_ _ IUOO-x	_ _IUOT-x	_ _OUO7-x	_ _OUCT-x											
	2-15/16	47	**6.299**															
	3-1/4	52	218	_ _IUO7-x-LK	_ _IUOT-x-LK	_ _OUO7-x-LK	_ _OUCT-x-LK	4.9	3.50	3.50	2.49	2.30	1.55	1.20	2.75	1.95	1.74	0.75
	3-7/16	55							88.9	(0)	63.2	58.4	39.4	30.5	69.9	49.53	44.2	19.1
90	3-1/2	56	**O**	_ _IUO7-x	_ _IUOT-x-LKT	_ _OUO7-x	_ _OUCT-x-LKT											

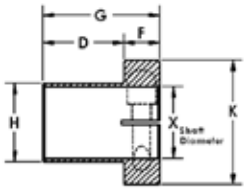
Locking Sleeves: DoubleLock® or Setscrew Lock

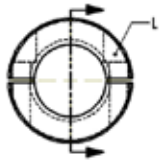
316 Stainless Locking Sleeve Extends Bearing Life and Eliminates Shaft Damage

Setscrew Sleeve









KleanCap™ DoubleLock® Sleeve

ZALU_6-x-04(LK) sleeve is 0.6" longer 'G' and 'G1' dimension to accommodate shaft expansion

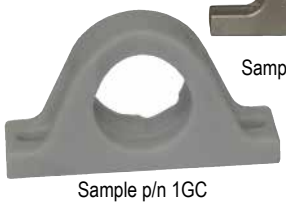
Setscrew Sleeve						KleanCap™ DoubleLock® Sleeve									
												KleanCap™ DoubleLock®		Expansion Style	
	G1	F1	K1	L1	Standard Sleeve p/n		G	F	K	L	H	D	Standard Sleeve p/n	D	
Wt	in mm	in mm	in mm	2 ea SS setscrew	Narrow Sleeve p/n	Wt lbs	in mm	in mm	in mm	2 ea ss SHCS	in mm	in mm	Narrow Sleeve p/n	in mm	Standard Expansion Length (Other lengths available)
.15	1.31 32	0.38 9	1.13 28	1/4 - 28	ZALUA6-x ZAMUA6-x	.18	1.38 35.1	.44 11.2	1.35 34.3	1/4 - 28	.78 20.0	0.94 23.8	ZALUA6-x-LK ZAMUA6-x-LK	1.54 38	ZALUA6-x-04-LK
.15	1.44 35	0.38 9	1.25 31	1/4 - 28	ZALUB6-x ZAMUB6-x	.2	1.57 39.8	.50 12.7	1.61 40.9	1/4 - 28	.91 23.2	1.07 27.2	ZALUB6-x-LK ZAMUB6-x-LK	1.67 44	ZALUB6-x-04-LK
.15	1.50 37	0.38 9	1.50 37	1/4 - 28	ZALUC6-x ZAMUC6-x	.2	1.63 41.4	.50 12.7	1.73 43.9	1/4 - 28	1.10 27.9	1.30 33.0	ZALUC6-x-LK ZAMUC6-x-LK	1.73 43	ZALUC6-x-04-LK
.31	1.79 44	0.48 12	1.75 43	3/8 - 24	ZALUD6-x ZAMUD6-x	.4	1.82 46.2	.50 12.7	1.98 50.3	1/4 - 28	1.35 34.3	1.32 33.5	ZALUD6-x-LK ZAMUD6-x-LK	1.92 48	ZALUD6-x-04-LK
.55	2.0 49	0.50 12	2 49	3/8 - 24	ZALUE6-x ZAMUE6-x	.5	2 50.8	.50 12.7	2.23 56.6	1/4 - 28	1.54 39.1	1.5 38.1	ZALUE6-x-LK ZAMUE6-x-LK	2.10 53	ZALUE6-x-04-LK
.62	2.19 54	0.56 14	2.25 55	3/8 - 24	ZALUF6-x ZAMUF6-x	.6	2.13 54.1	.50 12.7	2.36 59.9	1/4 - 28	1.73 43.9	1.63 41.4	ZALUF6-x-LK ZAMUF6-x-LK	2.23 56	ZALUF6-x-04-LK
.86	2.25 55	0.56 14	2.50 61	3/8 - 24	ZALUG6-x ZAMUG6-x	.8	2.32 58.9	.63 15.9	2.73 69.3	5/16 - 24	1.87 47.5	1.69 42.9	ZALUG6-x-LK ZAMUG6-x-LK	2.29 58	ZALUG6-x-04-LK
1.0	2.25 55	0.56 14	2.69 66	3/8 - 24	ZALUH6-x ZAMUH6-x	1.1	2.32 58.9	.63 15.9	2.98 75.7	5/16 - 24	2.10 53.3	1.69 42.9	ZALUH6-x-LK ZAMUH6-x-LK	2.29 58	ZALUH6-x-04-LK
1.3	2.44 60	0.56 14	2.88 71	3/8 - 24	ZALUI6-x ZAMUI6-x	1.3	2.51 63.8	.63 15.9	3.23 82	5/16 - 24	2.35 59.7	1.88 47.0	ZALUI6-x-LK ZAMUI6-x-LK	2.48 63	ZALUI6-x-04-LK
1.3	2.68 66	0.56 14	3.25 80	3/8 - 24	ZALUJ6-x ZAMUJ6-x	1.4	2.75 69.9	.63 15.9	3.40 86	5/16 - 24	2.53 64.5	2.12 53.8	ZALUJ6-x-LK ZAMUJ6-x-LK	2.72 69	ZALUJ6-x-04-LK
3.0	2.88 71	0.75 18	4 98	1/2 - 20	ZALUK6-x ZAMUK6-x	2.2	2.88 73.2	.75 19.1	3.85 97.8	3/8 - 24	2.85 72.4	2.13 53.3	ZALUK6-x-LK ZAMUK6-x-LK	2.73 69	ZALUK6-x-04-LK
2.2	2.88 71	0.75 18	4 98	1/2 - 20	ZALUL6-x	2.3	2.88 73.2	.75 19.1	4.13 105	3/8 - 24	3.14 79.8	2.13 53.3	ZALUL6-x-LK	2.73 69	ZALUL6-x-04-LK
3.0	3.16 77	0.75 18	4.50 110	1/2 - 20	ZALUM6-x	3.2	3.13 79.5	.75 19.1	4.45 113	3/8 - 24	3.28 83.5	2.38 59.7	ZALUM6-x-LK	3.05 60	ZALUM6-x-04-LK
3.0	3.55 90	.75 18	4.44 113	1/2 - 20	ZALUO6-x	3.2	3.53 89.7	.75 19.1	4.10 104.1	3/8 - 24	3.70 94	2.78 70.6	ZALUO6-x-LK	3.40 86.4	ZALUO6-x-04-LK

Pillow Block

Polymer or Stainless Standard Backing Height (“1” Series) and Low Backing Height (“10” Series) Pillow Block

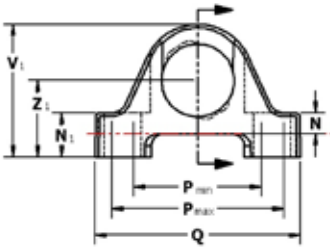
Sample p/n 1AI-Split

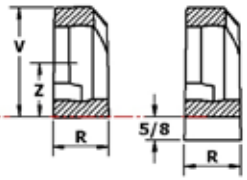
*QuiKlean® adds .625” (5/8”) standoff
(Low back pillow block not available as QuiKlean®)



Sample p/n 1GC

Sample p/n 1GE-QK



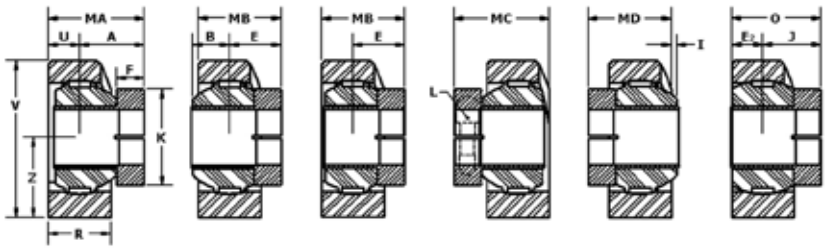


Standard **QuiKlean®**

x = Shaft Size			mm∅ **Inch∅** Ring **Group**	“1” Series Z		“10” Series		Q	P		N	V	R		U		T	DoubleLock® Sleeve	
				Z_1*	p/n	Z	p/n		Min	Max	N_1*	V_1*	KG	SS	KG	SS	Bolt size	F	K
mm	in	16ths		in mm	KG SS	in mm	KG SS	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	1.06	1GA	--	--	5	2.94	4.06	.44	2.25	1.25	1.13	.62	.57	3/8	.44	1.49
	9/16	9	**1.575**	27.0	1AA			127.0	74.6	103.2	11.1	57.2	31.8	28.6	15.8	14.5		11.2	38
15	5/8	10	203	1.69	1GA-QK						1.06	2.87							
17	11/16	11	**A**	42.9							26.9	72.9							
12	**1/2**	**8**	47	1.31	1GB	1.25	10GB	5.25	3.25	4.38	.50	2.69	1.38	1.13	.57	.57	3/8	.50	1.63
	9/16	9	**1.850**	33.3	1AB	31.8	10AB	133.4	82.6	111.1	12.7	68.3	34.9	28.6	14.5	14.5		12.7	41
15	**5/8**	**10**	204	1.94	1GB-QK		N/A				1.13	3.31							
17	11/16	11	**B**	49.2							28.6	84.1							
20	**3/4**	**12**																	
	3/4	12	52	1.44	1GC	1.31	10GC	5.5	3.44	4.63	.56	2.94	1.50	1.13	.75	.57	3/8	.50	1.75
	13/16	13	**2.047**	36.5	1AC	33.3	10AC	139.7	87.3	117.5	14.3	74.6	38.1	28.6	18.0	14.5		12.7	44
	7/8	14	205	2.06	1GC-QK		N/A				1.19	3.56							
25	15/16	15	**C**	52.4	1AC-QK						30.2	90.5							
	1	**16**																	
	1	16	62	1.69	1GD	1.56	10GD	6.25	4.13	5.13	.69	3.38	1.75	1.50	.88	.76	1/2	.50	2.0
	1-1/16	17	**2.441**	42.9	1AD	39.7	10AD	158.7	104.8	130.2	17.5	85.7	44.5	38.1	22.4	19.3		12.7	50
	1-1/8	18	206	2.31	1GD-QK		N/A				1.31	4.0							
30	**1-3/16**	**19**	**D**	58.7							33.3	101.6							
	1-1/4	20																	
	1-3/16	19	72	1.88	1GE	1.81	10GE	6.56	4.69	5.44	.69	3.88	1.75	1.50	.93	.74	1/2	.50	2.25
	1-1/4	**20**	**2.835**	47.6	1AE	46.0	10AE	166.7	119.1	138.1	17.5	98.4	44.5	38.1	23.6	18.8		12.7	57
	1-5/16	21	207	2.50	1GE-QK		N/A				1.31	4.50							
35	1-3/8	22	**E**	63.5							33.3	114.3							
	1-7/16	23																	
	1-7/16	23	80	2.13	1GF	1.94	10GF	7.25	5	6.13	.75	4.31	1.94	1.63	.97	.81	1/2	.50	2.38
	1-1/2	**24**	**3.150**	54.0	1AF	49.2	10AF	184.2	127.0	155.6	19.1	109.5	49.2	41.3	24.6	20.6		12.7	60
40	1-9/16	25	208	2.75	1GF-QK		N/A				1.38	4.94							
	1-5/8	26	**F**	69.9							34.9	125.4							
	1-1/2	24	85	2.13	1GG	2.06	10GG	7.44	5.31	6.31	.75	4.38	2	1.75	1.0	.86	1/2	.63	2.75
	1-5/8	**26**	**3.346**	54.0	1AG	52.4	10AG	188.9	134.9	160.3	19.1	111.1	50.8	44.5	25.4	21.8		15.9	70
45	1-11/16	27	209																
	1-3/4	**28**	**G**																
	1-11/16	27	90	2.25	1GH	2.19	10GH	8.13	5.88	6.75	.75	4.63	2.25	2	1.1	.99	5/8	.63	3
	1-3/4	28	**3.543**	57.2	1AH	55.6	10AH	206.4	149.2	171.5	19.1	117.5	57.2	50.8	27.9	25.2		15.9	76
	1-13/16	29	210																
	1-7/8	30	**H**																
50	**1-15/16**	**31**																	
	2	**32**																	
	1-15/16	31	100	2.50	1GI	2.44	10GI	8.88	6.38	7.50	.88	5.13	2.38	2	1.17	.99	5/8	.63	3.25
	2	32	**3.937**	63.5	1AI	61.9	10AI	225.4	161.9	190.5	22.2	130.2	60.3	50.8	29.7	25.2		15.9	83
	2-1/16	33	211																
	2-1/8	34	**I**																
55	**2-3/16**	**35**																	
	2-1/4	36																	
	2-3/16	35	110	2.75	1GJ	2.69	10GJ	9.5	6.44	8.13	.88	5.50	2.50	2	1.25	.99	5/8	.63	3.4
	2-1/4	**36**	**4.331**	69.9	1AJ	68.3	10AJ	241.3	163.5	206.4	22.2	139.7	63.5	50.8	31.2	25.2		15.9	86
	2-5/16	37	212																
	2-3/8	38	**J**																
60	**2-7/16**	**39**																	
	2-7/16	39	125	3.0	1GK	3.13	10GK	10.75	7.44	9.13	.94	6.25	2.75	2	1.34	.99	3/4	.75	3.8
	2-1/2	40	**4.921**	76.2	1AK	79.4	10AK	273.1	188.9	231.8	23.8	158.7	69.9	50.8	34.0	25.2		19.1	96
	2-5/8	42	214																
	2-11/16	43	**K**																
70	**2-3/4**	**44**																	
	2-11/16	43	130	3.50	1GL	3.25	10GL	11.75	8.25	9.75	1	6.88	2.88	2	1.4	1.24	7/8	.75	4.13
	2-3/4	44	**5.118**	88.9	1AL	82.5	10AL	298.5	209.6	247.7	25.4	174.6	73.0	50.8	35.6	31.5		19.1	105
	2-13/16	45	215																
	2-7/8	46	**L**																
75	**2-15/16**	**47**																	
	3	**48**																	
	2-3/4	44	140	3.50	1GM	--	--	11.75	8.25	9.75	1	6.88	2.88	2	1.4	1.24	7/8	.75	4.7
	2-7/8	46	**5.511**	88.9	1AM			298.5	209.6	247.7	25.4	174.6	73.0	50.8	35.6	31.5		19	120
	2-15/16	47	216																
80	3	48	**M**																
	3-1/8	50																	
	3-3/16	51																	
	2-3/4	44	160	4	--	--	--	14	10.3	11.63	1.94	8	--	2.22	--	1.11	7/8	.75	4.1
	2-15/16	47	**6.299**	101.6	1AO			355.6	261.6	295.4	49.3	203.2		56.4		28.2		19	104.1
	3-1/4	52	218																
	3-7/16	55	**O**																
90	3-1/2	56																	

Poly-Round® Solution® Pillow Block

Standard Backing Height ("1" Series) and Low Backing Height ("10" Series) Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View C** **View D** **Poly-Sphere®**

Sample p/n FA1AC7T-16-LK

Sample p/n NA10GE7-1 1/4-LK

*QuiKlean® adds .625" (5/8") standoff

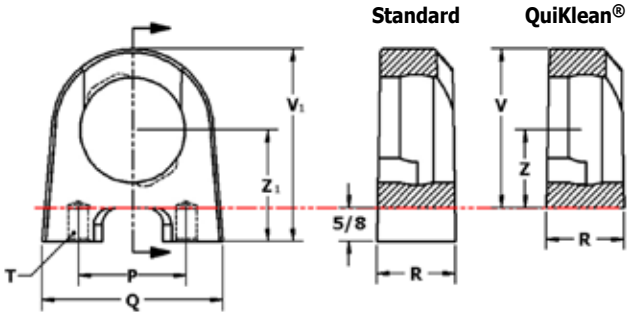
A	B	E	E_2	J	I	MA_{-KG} / MA_{-SS}	MB_{-KG} / MB_{-SS}	MC_{-KG} / MC_{-SS}	MD_{-KG} / MD_{-SS}	O_{-KG} / O_{-SS}	Standard Poly-Round® Solution® p/n: Polymer (KG) — Std Assembly / QK Assembly / Low Assembly	Wt lbs	Standard Poly-Round® Solution® p/n: Stainless (SS) — Std Assembly / QK Assembly / Low Assembly	Wt lbs	Poly-Round® Insert KleanCap™ DoubleLock®	Poly-Sphere® p/n (Poly-Sphere® & Poly-Round® weigh same): KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	Narrow p/n: KG Assembly SS Assembly	Narrow Insert KleanCap™ DoubleLock®
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm									
1.04 26.4	.60 15.2	.75 19.1	.46 11.6	.96 24.3	.04 1.0	1.67 42.4	1.37 34.7	1.67 42.4	1.38 35.0	1.38 35.0	_ _1GA7-x-LK _ _1GA-QK7-x-LK	.4 .6	_ _1AA7-x-LK _ _1AA-QK7-x-LK	1.2	_ _IUAO-x	_ _1GA-O7-x-LK	_ _OUAO-x	_ _1GA4-x-LK	_ _IUA3-x
						1.60 40.7	1.31 33.3	1.60 40.7	1.31 33.3	1.45 37.0	--	--	--	--	ZALUA6-LK	_ _10OA7-x-LK	ZALUA6-x-LK	_ _1AA4-x-LK	ZAMUA6-x-LK
1.10 27.9	.60 15.2	.94 23.8	.52 13.2	1.02 25.9	.04 1.0	1.79 45.4	1.62 41.1	1.78 45.2	1.62 41.1	1.31 33.2	_ _1GB7-x-LK _ _1GB-QK7-x-LK	.6 .8	_ _1AB7-x-LK _ _1AB-QK7-x-LK	1.6	_ _IUBO-x	_ _1GB-O7-x-LK	_ _OUBO-x	_ _1GB4-x-LK	_ _IUB3-x
						1.66 42.1	1.5 38.1	1.66 42.1	1.5 38.1	1.46 37.0	_ _10GB7-x-LK	.6	_ _10GB7-x-LK	1.6	ZALUB6-LK	_ _10OB7-x-LK	ZALUB6-x-LK	_ _1AB4-x-LK	ZAMUB6-x-LK
1.16 29.5	.66 16.8	.94 23.8	.55 13.9	1.05 26.7	.10 2.6	1.91 48.5	1.69 42.9	1.91 48.5	1.69 42.9	1.62 41.1	_ _1GC7-x-LK _ _1GC-QK7-x-LK	.6 .8	_ _1AC7-x-LK _ _1AC-QK7-x-LK	1.8	_ _IUCO-x	_ _1GC-O7-x-LK	_ _OUCO-x	_ _1GC4-x-LK	_ _IUC3-x
						1.73 43.9	1.5 38.1	1.73 43.9	1.5 38.1	1.7 43.1	_ _10GC7-x-LK	.8	_ _10GC7-x-LK	1.6	ZALUC6-LK	_ _10OC7-x-LK	ZALUC6-x-LK	_ _1AC4-x-LK	ZAMUC6-x-LK
1.30 32.9	.80 20.2	.99 25.1	.64 16.3	1.14 29	.06 1.6	2.17 55.1	1.87 47.4	2.17 55.1	0.87 22.0	1.5 38.1	_ _1GD7-x-LK _ _1GD-QK7-x-LK	1.0 1.2	_ _1AD7-x-LK _ _1AD-QK7-x-LK	2.8	_ _IUDO-x	_ _1GD-O7-x-LK	_ _OUDO-x	_ _1GD4-x-LK	_ _IUD3-x
						2.03 51.5	1.73 43.9	2.03 51.5	1.73 43.9	1.58 40.1	_ _10GD7-x-LK	.8	_ _10GD7-x-LK	2.6	ZALUD6-LK	_ _10OD7-x-LK	ZALUD6-x-LK	_ _1AD4-x-LK	ZAMUD6-x-LK
1.47 37.3	.97 24.6	1 25.4	.74 18.1	1.26 32	.24 6.0	2.35 59.6	1.88 47.7	2.35 59.6	1.88 47.7	1.69 42.9	_ _1GE7-x-LK _ _1GE-QK7-x-LK	1.2 1.4	_ _1AE7-x-LK _ _1AE-QK7-x-LK	3.8	_ _IUEO-x	_ _1GE-O7-x-LK	_ _OUEO-x	_ _1GE4-x-LK	_ _IUE3-x
						2.21 56.1	1.74 44.1	2.21 56.1	1.74 44.1	1.8 45.7	_ _10GE7-x-LK	1.0	_ _10GE7-x-LK	3.6	ZALUE6-LK	_ _10OE7-x-LK	ZALUE6-x-LK	_ _1AE4-x-LK	ZAMUE6-x-LK
1.51 38.3	1.01 25.6	1.09 27.8	.80 20.3	1.30 33	.19 4.9	2.48 62.9	2.06 52.3	2.48 62.9	2.06 52.3	1.5 38.1	_ _1GF7-x-LK _ _1GF-QK7-x-LK	1.8 2	_ _1AF7-x-LK _ _1AF-QK7-x-LK	5.2	_ _IUFO-x	_ _1GF-O7-x-LK	_ _OUFO-x	_ _1GF4-x-LK	_ _IUF3-x
						2.32 58.9	1.91 48.5	2.32 58.9	1.91 48.5	1.61 40.8	_ _10GF7-x-LK	1.6	_ _10GF7-x-LK	4.6	ZALUF6-LK	_ _10OF7-x-LK	ZALUF6-x-LK	_ _1AF4-x-LK	ZAMUF6-x-LK
1.69 43.0	1.07 27.2	1.22 31	.80 21.9	1.46 37	.21 5.3	2.69 68.3	2.22 56.3	2.69 68.3	2.22 56.3	0.87 22.0	_ _1GG7-x-LK	2.4	_ _1AG7-x-LK	5.4	_ _IUGO-x	_ _1GG-O7-x-LK	_ _OUGO-x	_ _1GG4-x-LK	_ _IUG3-x
						2.55 64.7	2.08 52.8	2.55 64.7	2.08 52.8	2.02 51.3	_ _10GG7-x-LK	2.2	_ _10GG7-x-LK	5.2	ZALUG6-LK	_ _10OG7-x-LK	ZALUG6-x-LK	_ _1AG4-x-LK	ZAMUG6-x-LK
1.69 43.0	1.07 27.2	1.22 31	.83 21.1	1.48 37.6	.08 2.1	2.94 74.6	2.47 62.7	2.94 74.6	2.47 62.7	1.73 43.9	_ _1GH7-x-LK	2.4	_ _1AH7-x-LK	7.2	_ _IUHO-x	_ _1GH-O7-x-LK	_ _OUHO-x	_ _1GH4-x-LK	_ _IUH3-x
						2.68 68.0	2.2 55.8	2.68 68.0	2.2 55.8	1.88 47.7	_ _10GH7-x-LK	2.2	_ _10GH7-x-LK	7.0	ZALUH6-LK	_ _10OH7-x-LK	ZALUH6-x-LK	_ _1AH4-x-LK	ZAMUH6-x-LK
1.85 47.0	1.22 31.1	1.25 31.8	.93 23.6	1.58 40.1	.24 6.1	3.04 77.2	2.44 61.9	3.04 77.2	2.44 61.9	1.88 7.7	_ _1GI7-x-LK	3.4	_ _1AI7-x-LK	10.0	_ _IUIO-x	_ _1GI-O7-x-LK	_ _OUIO-x	_ _1GI4-x-LK	_ _IUI3-x
						2.84 72.1	2.21 56.1	2.84 72.1	2.24 56.8	2.11 53.5	_ _10GI7-x-LK	3.4	_ _10GI7-x-LK	8.9	ZALUI6-LK	_ _10OI7-x-LK	ZALUI6-x-LK	_ _1AI4-x-LK	ZAMUI6-x-LK
2.06 52.4	1.44 36.5	1.28 32.5	1.05 26.7	1.70 43.2	.45 11.5	3.31 84.0	2.53 64.2	3.31 84.0	2.53 64.2	1.74 44.1	_ _1GJ7-x-LK	4.0	_ _1AJ7-x-LK	12.0	_ _IUJO-x	_ _1GJ-O7-x-LK	_ _OUJO-x	_ _1GJ4-x-LK	_ _IUJ3-x
						3.05 77.4	2.27 57.6	3.05 77.4	2.27 57.6	1.97 50.0	_ _10GJ7-x-LK	3.6	_ _10GJ7-x-LK	10.0	ZALUJ6-LK	_ _10OJ7-x-LK	ZALUJ6-x-LK	_ _1AJ4-x-LK	ZAMUJ6-x-LK
2.10 53.3	1.35 34.3	1.50 38.1	1.05 26.7	1.83 46.5	.37 9.3	3.48 88.3	2.88 73.1	3.48 88.3	2.88 73.1	2.06 52.3	_ _1GK7-x-LK	5.4	_ _1AK7-x-LK	12.7	_ _IUKO-x	_ _1GK-O7-x-LK	_ _OUKO-x	_ _1GK4-x-LK	_ _IUK3-x
						3.09 78.4	2.49 63.2	3.09 78.4	2.49 63.2	2.27 57.6	_ _10GK7-x-LK	5.4	_ _10GK7-x-LK	13.2	ZALUK6-LK	_ _10OK7-x-LK	ZALUK6-x-LK	_ _1AK4-x-LK	ZAMUK6-x-LK
2.04 51.8	1.29 32.7	1.56 39.7	1.05 26.7	1.83 46.5	.05 1.3	3.48 88.3	3 76.2	3.48 88.3	3 76.2	1.91 48.5	_ _1GL7-x-LK	7.4	_ _1AL7-x-LK	19	_ _IULO-x	_ _1GL-O7-x-LK	_ _OULO-x	--	--
						3.27 83.0	2.8 71.1	3.27 83.0	2.8 71.1	2.11 53.5	_ _10GL7-x-LK	5.4	_ _10GL7-x-LK	17.4	ZALUL6-LK	_ _10OL7-x-LK	ZALUL6-x-LK		
2.26 57.4	1.51 38.4	1.59 40.4	1.18 29.9	1.93 49	.28 7.0	3.50 88.8	2.83 71.8	3.5 88.8	2.83 71.8	3.16 80.26	_ _1GM7-x-LK	7.2	_ _1AM7-x-LK	19.2	_ _IUMO-x	_ _1GM-O7-x-LK	_ _OUMO-x	--	--
						3.70 93.9	3 76.9	3.7 93.9	3.03 76.9	3.36 85.4					ZALUM6-LK		ZALUM6-x-LK		
2.3 58.4	1.2 53.3	1.95 49.5	1.38 35.1	2.13 54.1	.44 11.3	3.41 86.7	3.06 77.6	3.41 86.7	3.06 77.7	3.24 82.2	--	--	_ _1AO7-x-LK	27.2	_ _IUOO-x	--	_ _OUOO-x	--	--
						3.74 95	3.39 86.0	3.74 95	3.39 886	3.56 90.5					ZALUO6-LK		ZAULO6-x-LK		

Tapped Base Pillow Block

Polymer or Stainless “9” Series Tapped Block

Sample p/n 9AE-QK

Sample p/n 9GE

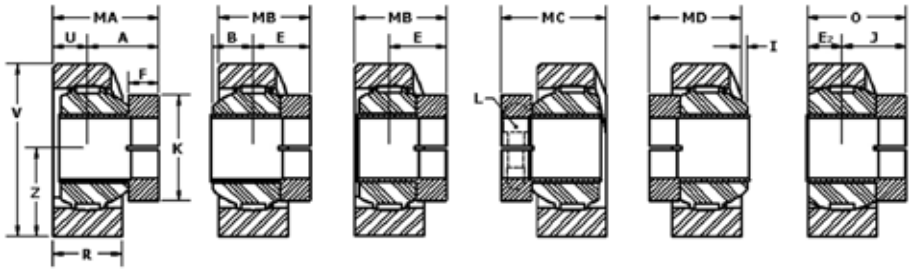


*QuiKlean® adds .625” (5/8”) standoff

x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	Stainless (SS)			Polymer (KG)			Z	P	T	Q	U		DoubleLock® Sleeve	
					R	V		R	V					KG	SS	F	K
mm	in	16ths		Housing p/n	in mm	V_1* in mm	Housing p/n	in mm	V_1* in mm	Z_1* in mm	in mm	Unc thread	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	9AA	1.13 28.6	2.46 61.1	9GA	1.12 28.4	2.46 62.5	1.31 33.3	2 50.8	3/8 - 16	3 76.2	.56 14.2	.56 14.2	.44 11.2	1.49 38
15	9/16	9	**1.575**														
	5/8	10	203														
17	11/16	11	**A**	9AA-QK		3.08 78.2	9GA-QK		3.25 82.6	1.94 49.2							
12	**1/2**	**8**	47	9AB	1.13 28.6	2.58 64.3	9GB	1.12 28.4	2.58 66.7	1.31 33.3	2 *50.8*	3/8 - 16	3.07 78.0	.56 14.2	.56 14.2	.50 12.7	1.63 41
15	9/16	9	**1.850**														
	5/8	**10**	204														
17	11/16	11	**B**	9AB-QK		3.2 81.3	9GB-QK		3.2 81.3	1.94 49.2							
20	**3/4**	**12**															
	3/4	12	52	9AC	1.13 28.6	2.94 74.6	9GC	1.14 28.9	2.94 74.6	1.44 36.5	2 50.8	3/8 - 16	3 76.2	.56 14.2	.56 14.2	.50 12.7	1.75 44
	13/16	13	**2.047**														
	7/8	14	205														
25	15/16	15	**C**	9AC-QK		3.45 90.5	9GC-QK		3.45 90.5	2.06 52.4							
	1	**16**															
	1	16	62	9AD	1.5 38.1	3.25 82.5	9GD	1.63 41.3	3.38 85.7	1.69 42.9	3 76.2	7/16 - 14	4.25 108.0	.81 20.6	.74 18.8	.50 12.7	2 50
	1-1/16	17	**2.441**														
	1-1/8	18	206														
30	**1-3/16**	**19**	**D**	9AD-QK		4 101.6	9GD-QK		4 101.6	2.31 58.7							
	1-1/4	20															
	1-3/16	19	72	9AE	1.5 38.1	3.69 93.7	9GE	1.75 44.5	3.88 98.4	1.55 47.6	3.25 82.6	1/2 - 13	4.5 114.3	.88 22.4	.74 18.8	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**														
	1-5/16	21	207														
	1-3/8	22	**E**														
35	1-7/16	23		9AE-QK		4.3 109.2	9GE-QK		4.5 114.3	2.5 63.5							
	1-7/16	23	80	9AF	1.63 41.3	4.12 104.8	9GF	1.88 47.6	4.13 104.8	1.94 49.2	3.5 88.9	1/2 - 13	4.75 120.7	.93 23.6	.81 20.6	.50 12.7	2.38 60
	1-1/2	**24**	**3.150**														
	1-9/16	25	208														
40	1-5/8	26	**F**	9AF-QK		4.75 120.6	9GF-QK		4.75 120.6	2.56 65.1							
	1-1/2	24	85	9AG	1.75 44.5	4-1/4 108.0	9GG	2 50.8	4.38 111.1	2.12 54.0	3.75 95.3	1/2 - 13	5.25 133.4	.98 24.9	.86 21.8	.63 15.9	2.75 70
	1-5/8	**26**	**3.346**														
	1-11/16	27	209														
45	**1-3/4**	**28**	**G**														
	1-11/16	27	90	9AH	2 50.8	4-1/2 114.3	9GH	2.12 54	4.75 120.7	2.25 57.2	4 101.6	5/8 - 11	5.75 146.1	1.1 28.0	.98 25.0	.63 15.9	3 76
	1-3/4	28	**3.543**														
	1-13/16	29	210														
	1-7/8	30	**H**														
50	**1-15/16**	**31**															
	2	**32**															
	1-15/16	31	100	9AI	2 50.8	4-23/32 119.9	9GI	5.75 146.1	4.88 123.8	2.25 57.2	4 101.6	5/8 - 11	5.75 146.1	1.1 28.0	.98 25.0	.63 15.9	3.25 83
	2	32	**3.937**														
	2-1/16	33	211														
	2-1/8	34	**I**														
55	**2-3/16**	**35**															
	2-1/4	36															
	2-3/16	35	110	9AJ	2 50.8	5-3/8 136.5	--	--	--	2.75 69.9	4.25 108.0	5/8 - 11	6.5 165.1	1.1 28.0	.98 25.0	.63 15.9	3.4 86
	2-1/4	**36**	**4.331**														
	2-5/16	37	212														
	2-3/8	38	**J**														
60	**2-7/16**	**39**															
	2-7/16	39	125	9AK	2 50.8	6-1/16 154.0	--	--	--	3 76.2	5 127.0	3/4 - 10	7.5 190.5	1.1 28.0	.98 25.0	.75 19.1	3.8 96
	2-1/2	40	**4.921**														
	2-5/8	42	214														
	2-11/16	43	**K**														
70	**2-3/4**	**44**															
	2-11/16	43	130	9AL	2 50.8	6-3/4 171.5	--	--	--	3.5 88.9	5.25 133.4	7/8 - 9	8 203.2	1.1 28.0	.98 25.0	.75 19.1	4.13 105
	2-3/4	44	**5.118**														
	2-13/16	45	215														
	2-7/8	46	**L**														
75	**2-15/16**	**47**															
	3	**48**															

Poly-Round® Solution® Tapped Base Pillow Block

"9" series Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View C** **View D** **Poly-Sphere®**

Sample p/n
NA9GC7-16-LK

Sample p/n
QF9AC7-16-LK

*QuiKlean® adds .625" (5/8") standoff

A	B	E	E_2	J	I	MA_{-KG} / MA_{-SS}	MB_{-KG} / MB_{-SS}	MC_{-KG} / MC_{-SS}	MD_{-KG} / MD_{-SS}	O_{-KG} / O_{-SS}	Standard Poly-Round® Solution® p/n					Poly-Sphere® p/n (Poly-Sphere® & Poly-Round® weigh same)		Narrow p/n	
											Poly-Round® Insert DoubleLock®	Polymer (KG) Std Assembly / QK Assembly	Wt lbs	Stainless (SS) Assembly	Wt lbs	KG Assembly / SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	KG Assembly / SS Assembly	Narrow Insert KleanCap™ DoubleLock®
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm									
1.04 26.4	.60 15.2	.75 19.1	.46 11.6	.96 24.3	.04 1.0	1.66 42.2	1.37 34.9	1.66 42.2	1.37 34.9	1.52 38.6	_ _IUAO-x ZALUA6-x-LK	_ _9GA7-x-LK	.4	_ _9AA7-x-LK	1.2	_ _9GA-O7-x-LK _ _9OA7-x-LK	_ _OUAO-x ZALUA6-x-LK	_ _9GA4-x-LK _ _9AA4-x-LK	_ _IUA3-x ZAMUA6-x-LK
						1.60 40.7	1.31 33.3	1.60 40.7	1.31 33.3	1.45 37.0		_ _9GA-QK7-x-LK	.5						
1.10 27.9	.60 15.2	.94 23.8	.52 13.2	1.02 25.9	.04 1.0	1.78 45.2	1.61 41.0	1.78 45.2	1.61 41.0	1.69 43.1	_ _IUBO-x ZALUB6-x-LK	_ _9GB7-x-LK	.4	_ _9AB7-x-LK	1.4	_ _9GB-O7-x-LK _ _9OB7-x-LK	_ _OUBO-x ZALUB6-x-LK	_ _9GB4-x-LK _ _9AB4-x-LK	_ _IUB3-x ZAMUB6-x-LK
						1.66 42.2	1.50 38.1	1.66 42.2	1.50 38.1	1.58 40.1		_ _9GB-QK7-x-LK	.6						
1.16 29.5	.66 16.8	.94 23.8	.55 13.9	1.05 26.7	.10 2.6	1.91 48.5	1.68 42.8	1.91 48.5	1.68 42.8	1.8 45.7	_ _IUCO-x ZALUC6-x-LK	_ _9GC7-x-LK	.4	_ _9AC7-x-LK	1.4	_ _9GC-O7-x-LK _ _9OC7-x-LK	_ _OUCO-x ZALUC6-x-LK	_ _9GC4-x-LK _ _9AC4-x-LK	_ _IUC3-x ZAMUC6-x-LK
						1.72 43.8	1.50 38.1	1.72 43.8	1.50 38.1	1.61 40.9		_ _9GC-QK7-x-LK	.6						
1.30 32.9	.80 20.2	.99 25.1	.64 16.3	1.14 29	.06 1.6	2.17 55.1	1.86 47.3	2.17 55.1	1.86 47.3	2.01 51.2	_ _IUDO-x ZALUD6-x-LK	_ _9GD7-x-LK	.8	_ _9AD7-x-LK	2.4	_ _9GD-O7-x-LK _ _9OD7-x-LK	_ _OUDO-x ZALUD6-x-LK	_ _9GD4-x-LK _ _9AD4-x-LK	_ _IUD3-x ZAMUD6-x-LK
						2.03 51.6	1.72 43.8	2.03 51.6	1.72 43.8	1.87 47.7		_ _9GD-QK7-x-LK	1.0						
1.47 37.3	.97 24.6	1 25.4	.74 18.1	1.26 32	.24 6.0	2.34 59.5	1.87 47.6	2.34 59.5	1.87 47.6	2.11 53.5	_ _IUEO-x ZALUE6-x-LK	_ _9GE7-x-LK	1.2	_ _9AE7-x-LK	3	_ _9GE-O7-x-LK _ _9OE7-x-LK	_ _OUEO-x ZALUE6-x-LK	_ _9GE4-x-LK _ _9AE4-x-LK	_ _IUE3-x ZAMUE6-x-LK
						2.20 56.0	1.73 44.0	2.20 56.0	1.73 44.0	1.97 50.0		_ _9GE-QK7-x-LK	1.4	_ _9AE-QK7-x-LK	4				
1.51 38.3	1.01 25.6	1.09 27.8	.80 20.3	1.30 33	.19 4.9	2.47 62.8	2.06 52.4	2.47 62.8	2.06 52.4	2.26 57.6	_ _IUFO-x ZALUF6-x-LK	_ _9GF7-x-LK	1.6	_ _9AF7-x-LK	4	_ _9GF-O7-x-LK _ _9OF7-x-LK	_ _OUFO-x ZALUF6-x-LK	_ _9GF4-x-LK _ _9AF4-x-LK	_ _IUF3-x ZAMUF6-x-LK
						2.31 58.8	1.90 48.4	2.31 58.8	1.90 48.4	2.11 53.6		_ _9GF-QK7-x-LK	1.9						
1.69 43	1.07 27.2	1.22 31.0	.80 21.9	1.46 37	.21 5.3	2.69 68.4	2.21 56.3	2.69 68.4	2.21 56.3	2.45 62.4	_ _IUGO-x ZALUG6-x-LK	_ _9GG7-x-LK	2.2	_ _9AG7-x-LK	6.4	_ _9GG-O7-x-LK _ _9OG7-x-LK	_ _OUGO-x ZALUG6-x-LK	_ _9GG4-x-LK _ _9AG4-x-LK	_ _IUG3-x ZAMUG6-x-LK
						2.55 64.8	2.07 52.8	2.55 64.8	2.07 52.8	2.31 58.8									
1.69 43	1.07 27.2	1.22 31.0	.83 21.1	1.48 37.6	.08 2.1	2.94 74.7	2.46 62.7	2.94 74.7	2.46 62.7	2.70 68.7	_ _IUHO-x ZALUH6-x-LK	_ _9GH7-x-LK	2.2	_ _9AH7-x-LK	6.2	_ _9GH-O7-x-LK _ _9OH7-x-LK	_ _OUHO-x ZALUH6-x-LK	_ _9GH4-x-LK _ _9AH4-x-LK	_ _IUH3-x ZAMUH6-x-LK
						2.67 68.0	2.20 55.9	2.67 68.0	2.20 55.9	2.44 62.0									
1.85 47.0	1.22 31.1	1.25 31.8	.93 23.6	1.58 40.1	.24 6.1	3.03 77.1	2.43 61.9	3.03 77.1	2.43 61.9	2.73 69.5	_ _IUIO-x ZALUI6-x-LK	_ _9GI7-x-LK	2.7	_ _9AI7-x-LK	6.8	_ _9GI-O7-x-LK _ _9OI7-x-LK	_ _OUIO-x ZALUI6-x-LK	_ _9GI4-x-LK _ _9AI4-x-LK	_ _IUI3-x ZAMUI6-x-LK
						2.83 72.0	2.23 56.7	2.83 72.0	2.23 56.7	2.53 64.3									
2.06 52.4	1.44 36.5	1.28 32.5	1.05 26.7	1.70 43.2	.45 11.5	3.31 84.1	2.53 64.2	3.31 84.1	2.53 64.2	2.92 74.2	_ _IUJO-x ZALUJ6-x-LK	--	--	_ _9AJ7-x-LK	8.6	_ _9OJ7-x-LK	_ _OUJO-x ZALUJ6-x-LK	_ _9AJ4-x-LK	_ _IUJ3-x ZAMUJ6-x-LK
						3.04 77.4	2.26 57.5	3.04 77.4	2.26 57.5	2.65 67.4									
2.10 53.3	1.35 34.3	1.50 38.1	1.05 26.7	1.83 46.5	.37 9.3	3.47 88.2	2.87 73.0	3.47 88.2	2.87 73.0	3.17 80.6	_ _IUKO-x ZALUK6-x-LK	--	--	_ _9AK7-x-LK	12.3	_ _9OK7-x-LK	_ _OUKO-x ZALUK6-x-LK	_ _9AK4-x-LK	_ _IUK3-x ZAMUK6-x-LK
						3.08 78.3	2.48 63.1	3.08 78.3	2.48 63.1	2.78 70.7									
2.04 51.8	1.29 32.7	1.56 39.7	1.05 26.7	1.83 46.5	.05 1.3	3.47 88.2	3 76.2	3.47 88.2	3 76.2	3.23 82.2	_ _IULO-x ZALUL6-x-LK	--	--	_ _9AL7-x-LK	14.3	_ _9OL7-x-LK	_ _OULO-x ZALUL6-x-LK	_ _9AL4-x-LK	_ _IUL3-x ZAMUL6-x-LK
						3.27 83.1	2.79 71.0	3.27 83.1	2.79 71.0	3.03 77.0									

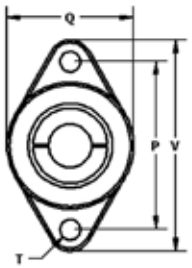
2-Bolt Flange

Polymer or Stainless “2” Series Flange Housing

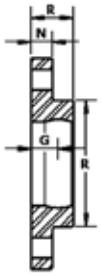
Sample p/n 2AE

Sample p/n 2GC-QK

*QuiKlean® adds .625” (5/8”) standoff & LTB



Poly-Round®



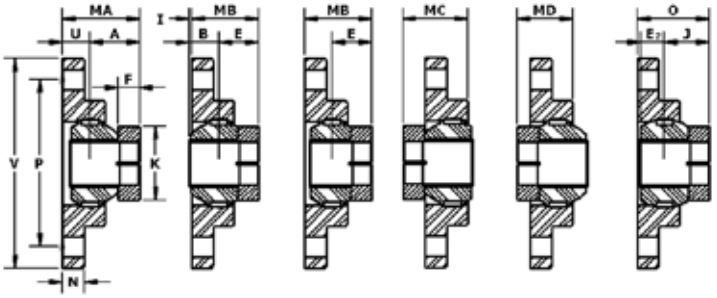
Standard

QuiKlean®

x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	**Stainless (SS)**		**Polymer (KG)**		P	V	T	G	R	N	DoubleLock® Sleeve	
				Housing p/n	Q	Housing p/n	Q				G_1*	R_1*	N_1*	F	K
mm	in	16ths			in mm		in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40 **1.575** 203 **A**	2AA	2.15 54.6	2GA	2.15 54.6	3 76.2	3.88 98.4	3/8	.53 13.4	.85 24.1	.44 11.1	.44 11.2	1.49 38
15	9/16	9													
	5/8	10													
17	11/16	11		2AA-QK		2GA-QK					1.15 29.3	1.48 37.6	1.06 27.1		
12	**1/2**	**8**	47 **1.850** 204 **B**	2AB	2.42 61.5	2GB	2.69 68.3	3.53 89.7	4.41 112	3/8	.59 15	.95 24.1	.44 11.1	.50 12.7	1.63 41
	9/16	9													
15	**5/8**	**10**													
17	11/16	11													
20	**3/4**	**12**		2AB-QK		2GB-QK					1.22 30.8	1.56 39.7	1.06 26.9		
	3/4	12	52 **2.047** 205 **C**	2AC	2.66 67.5	2GC	2.94 74.6	3.89 98.8	4.89 124.2	7/16	.63 16	1 25.4	.50 12.7	.50 12.7	1.75 44
	13/16	13													
	7/8	14													
25	15/16	15													
	1	**16**		2AC-QK		2GC-QK					1.26 3.19	1.62 41.2	1.12 28.6		
	1	16	62 **2.441** 206 **D**	2AD	3.12 79.4	2GD	3.63 92.1	4.6 116.7	5.69 142.1	7/16	.66 16.7	1.06 27.0	.50 12.7	.50 12.7	2 50
	1-1/16	17													
	1-1/8	18													
30	**1-3/16**	**19**													
	1-1/4	20		2AD-QK		2GD-QK					1.29 32.6	1.68 42.8	1.12 28.6		
	1-3/16	19	72 **2.835** 207 **E**	2AE	3.62 92.1	2GE	4 101.6	5.12 130.2	6.25 158.7	1/2	.79 20.1	1.22 31.0	.56 14.3	.50 12.7	2.25 57
	1-1/4	**20**													
	1-5/16	21													
	1-3/8	22													
35	1-7/16	23		2AE-QK		2GE-QK					1.42 35.9	1.84 46.8	1.18 30.2		
	1-7/16	23	80 **3.150** 208 **F**	2AF	4 101.6	2GF	4.56 115.9	5.66 143.7	6.78 172.2	1/2	.76 19.3	1.24 27.4	.56 14.3	.50 12.7	2.38 60
	1-1/2	**24**													
	1-9/16	25													
40	1-5/8	26		2AF-QK		2GF-QK					1.39 35.1	1.68 42.8	1.18 30.2		
	1-1/2	24	85 **3.346** 209 **G**	2AG	4.25 108.0	2GG	4.75 120.7	5.84 148.4	6.97 177.0	1/2	.76 19.3	1.24 27.4	.63 15.9	.63 15.9	2.75 70
	1-5/8	**26**													
	1-11/16	27													
45	**1-3/4**	**28**													
	1-11/16	27	90 **3.543** 210 **H**	2AH	4.56 115.9	2GH	5.06 128.6	6.19 157.2	7.31 185.7	1/2	.77 19.6	1.24 27.4	.63 15.9	.63 15.9	3 76
	1-3/4	28													
	1-13/16	29													
	1-7/8	30													
50	**1-15/16**	**31**													
	2	**32**													
	1-15/16	31	100 **3.937** 211 **I**	2AI	5.06 128.6	2GI	5.88 149.2	7.25 184.2	8.63 219.1	5/8	.92 23.4	1.47 37.3	.69 17.5	.63 15.9	3.25 83
	2	32													
	2-1/16	33													
	2-1/8	34													
55	**2-3/16**	**35**													
	2-1/4	36													
	2-3/16	35	110 **4.331** 212 **J**	2AJ	5.62 142.9	2GJ	6.56 161.9	7.95 202.0	9.33 236.9	5/8	1.07 27.2	1.65 42.1	.69 17.5	.63 15.9	3.4 86
	2-1/4	**36**													
	2-5/16	37													
	2-3/8	38													
60	**2-7/16**	**39**													
	2-7/16	39	125 **4.921** 214 **K**	2AK	6.44 163.5	2GK	6.94 176.2	8.31 211.1	9.69 246.1	5/8	1.25 31.8	1.87 47.6	.75 19.1	.75 19.1	3.8 96
	2-1/2	40													
	2-5/8	42													
	2-11/16	43													
70	**2-3/4**	**44**													
	2-11/16	43	130 **5.118** 215 **L**	2AL	6.5 165.1	2GL	6.94 176.2	8.5 215.9	10.13 257.2	3/4	1.38 35.1	2 50.8	1 25.4	.75 19.1	4.13 105
	2-3/4	44													
	2-13/16	45													
	2-7/8	46													
75	**2-15/16**	**47**													
	3	**48**													

Poly-Round® Solution® 2-Bolt Flange

"2" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View C** **View D** **Poly-Sphere®**

Sample p/n NA2GC7-16-LK

Sample p/n FA2AC7-16-LK

*QuiKlean® adds .625" (5/8") standoff & LTB

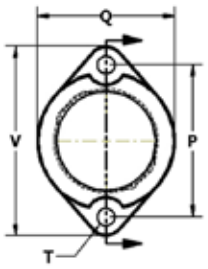
U	A	B	E	E_2	J	I	MA_{-KG}* / MA_{-SS}*	MB_{-KG}* / MB_{-SS}*	O_{-KG}* / O_{-SS}*	MC_{-KG} / MC_{-SS}	MD_{-KG} / MD_{-SS}	Standard Poly-Round® Solution® p/n: Poly-Round® Insert DoubleLock®	Polymer (KG) Std Assembly / QK Assembly	Wt lbs	Stainless (SS) Std Assembly / QK Assembly	Wt lbs	Poly-Sphere® p/n (Poly-Sphere® & Poly-Round® weigh same): KG Assembly SS Assembly	Poly-Sphere® p/n: Insert KleanCap™ DoubleLock®	Narrow p/n: KG Assembly SS Assembly	Narrow p/n: Narrow Insert KleanCap™ DoubleLock®
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm									
.53 13.5	1.04 26.4	.60 15.2	.75 19.1	0.46 11.6	.96 24.3	.03 .7	1.56 39.8	1.28 32.5	1.42 36.1	1.35 34.5	1.07 27.2	_ _IUAO-x	_ _2GA7-x-LK	.3	_ _2AA7-x-LK	.8	_ _2GA-O7-x-LK	_ _OUAO-x	_ _2GA4-x-LK	_ _IUA3-x
							1.56 39.8	1.28 32.5	1.42 36.1	1.35 34.5	1.07 27.2	ZALUA6-x-LK	2GA-QK7-LK	.4			_ _2OA7-x-LK	ZALUA6-x-LK	_ _2AA4-x-LK	ZAMUA6-x-LK
.60 15.2	1.10 27.9	.60 15.2	.94 23.8	0.52 13.2	1.02 25.9	0	1.69 43.0	1.53 38.9	1.61 40.9	1.45 36.9	1.29 32.8	_ _IUBO-x	_ _2GB7-x-LK	.4	_ _2AB7-x-LK	1.2	_ _2GB-O7-x-LK	_ _OUBO-x	_ _2GB4-x-LK	_ _IUB3-x
							1.69 43.0	1.53 38.9	1.61 40.9	1.45 36.9	1.29 32.8	ZALUB6-x-LK	_ _2GB-QK7-x-LK	.6			_ _2OB7-x-LK	ZALUB6-x-LK	_ _2AB4-x-LK	ZAMUB6-x-LK
.64 16.3	1.16 29.5	.66 16.8	.94 23.8	.55 13.9	1.05 26.7	0	1.79 45.6	1.57 39.9	1.68 42.7	1.51 38.5	1.29 32.8	_ _IUCO-x	_ _2GC7-x-LK	.4	_ _2AC7-x-LK	1.2	_ _2GC-O7-x-LK	_ _OUCO-x	_ _2GC4-x-LK	_ _IUC3-x
							1.79 45.6	1.57 39.9	1.68 42.7	1.49 38.0	1.27 32.3	ZALUC6-x-LK	_ _2GC-QK7-x-LK	.6	_ _2AC-QK7-x-LK	1.8	_ _2OC7-x-LK	ZALUC6-x-LK	_ _2AC4-x-LK	ZAMUC6-x-LK
.66 16.8	1.30 32.9	.80 20.2	.99 25.1	.64 16.3	1.14 29	.02 .5	1.95 49.6	1.64 41.8	1.80 45.7	1.70 43.3	1.39 35.5	_ _IUDO-x	_ _2GD7-x-LK	.6	_ _2AD7-x-LK	1.8	_ _2GD-O7-x-LK	_ _OUDO-x	_ _2GD4-x-LK	_ _IUD3-x
							1.95 49.6	1.64 41.8	1.80 45.7	1.70 43.3	1.39 35.5	ZALUD6-x-LK	_ _2GD-QK7-x-LK	.8			_ _2OD7-x-LK	ZALUD6-x-LK	_ _2AD4-x-LK	ZAMUD6-x-LK
.80 20.3	1.47 37.3	.97 24.6	1 25.4	.74 18.1	1.26 32	.04 13.9	2.26 57.4	1.79 45.5	2.02 51.4	1.90 48.2	1.43 36.3	_ _IUEO-x	_ _2GE7-x-LK	1	_ _2AE7-x-LK	2.6	_ _2GE-O7-x-LK	_ _OUEO-x	_ _2GE4-x-LK	_ _IUE3-x
							2.26 57.4	1.79 45.5	2.02 51.4	1.90 48.2	1.43 36.3	ZALUE6-x-LK	_ _2GE-QK7-x-LK	1			_ _2OE7-x-LK	ZALUE6-x-LK	_ _2AE4-x-LK	ZAMUE6-x-LK
.80 20.3	1.51 38.3	1.01 25.6	1.09 27.8	.80 20.3	1.30 33	.04 13.9	2.27 57.7	1.86 47.2	2.06 52.5	1.97 50.2	1.56 39.7	_ _IUFO-x	_ _2GF7-x-LK	1.4	_ _2AF7-x-LK	3.2	_ _2GF-O7-x-LK	_ _OUFO-x	_ _2GF4-x-LK	_ _IUF3-x
							2.27 57.7	1.86 47.2	2.06 52.5	1.97 50.2	1.56 39.7	ZALUF6-x-LK	_ _2GF-QK7-x-LK	1.4			_ _2OF7-x-LK	ZALUF6-x-LK	_ _2AF4-x-LK	ZAMUF6-x-LK
.78 19.8	1.69 43	1.07 27.2	1.22 31	.80 21.9	1.46 37	.09 2.3	2.45 62.3	1.98 50.3	2.21 56.3	2.17 55.1	1.69 43.1	_ _IUGO-x	_ _2GG7-x-LK	2	_ _2AG7-x-LK	4.2	_ _2GG-O7-x-LK	_ _OUGO-x	_ _2GG4-x-LK	_ _IUG3-x
							2.45 62.3	1.98 50.3	2.21 56.3	2.17 55.1	1.69 43.1	ZALUG6-x-LK					_ _2OG7-x-LK	ZALUG6-x-LK	_ _2AG4-x-LK	ZAMUG6-x-LK
.78 19.8	1.69 43.0	1.07 27.2	1.22 31	.83 21.1	1.48 37.6	.10 2.5	2.46 62.5	1.98 50.5	2.22 56.5	2.16 54.9	1.68 42.9	_ _IUHO-x	_ _2GH7-x-LK	2.2	_ _2AH7-x-LK	4.5	_ _2GH-O7-x-LK	_ _OUHO-x	_ _2GH4-x-LK	_ _IUH3-x
							2.46 62.5	1.98 50.5	2.22 56.5	2.16 54.9	1.68 42.9	ZALUH6-x-LK					_ _2OH7-x-LK	ZALUH6-x-LK	_ _2AH4-x-LK	ZAMUH6-x-LK
.93 23.6	1.85 47.0	1.22 31.1	1.25 31.8	.93 23.6	1.58 40.1	.05 1.31	2.77 70.4	2.17 55.2	2.47 62.8	2.39 60.9	1.79 45.6	_ _IUIO-x	_ _2GI7-x-LK	3	_ _2AI7-x-LK	6.6	_ _2GI-O7-x-LK	_ _OUIO-x	_ _2GI4-x-LK	_ _IUI3-x
							2.77 70.4	2.17 55.2	2.47 62.8	2.39 60.9	1.79 45.6	ZALUI6-x-LK					_ _2OI7-x-LK	ZALUI6-x-LK	_ _2AI4-x-LK	ZAMUI6-x-LK
1.1 27.9	2.06 52.4	1.44 36.5	1.28 32.5	1.05 26.7	1.70 43.2	.22 5.6	3.13 79.5	2.34 59.6	2.74 69.5	2.65 67.4	1.87 47.5	_ _IUJO-x	_ _2GJ7-x-LK	3.6	_ _2AJ7-x-LK	8.6	_ _2GJ-O7-x-LK	_ _OUJO-x	_ _2GJ4-x-LK	_ _IUJ3-x
							3.13 79.5	2.34 59.6	2.74 69.5	2.65 67.4	1.87 47.5	ZALUJ6-x-LK					_ _2OJ7-x-LK	ZALUJ6-x-LK	_ _2AJ4-x-LK	ZAMUJ6-x-LK
1.24 31.5	2.10 53.3	1.35 34.3	1.50 38.1	1.05 26.7	1.83 46.5	.11 2.8	3.35 85.0	2.75 69.8	3.05 77.4	2.71 68.8	2.11 53.5	_ _IUKO-x	_ _2GK7-x-LK	4	_ _2AK7-x-LK	11.8	_ _2GK-O7-x-LK	_ _OUKO-x	_ _2GK4-x-LK	_ _IUK3-x
							3.35 85.0	2.75 69.8	3.05 77.4	2.71 68.8	2.11 53.5	ZALUK6-x-LK					_ _2OK7-x-LK	ZALUK6-x-LK	_ _2AK4-x-LK	ZAMUK6-x-LK
1.38 35.0	2.04 51.8	1.29 32.7	1.56 39.7	1.05 26.7	1.83 46.5	0	3.42 86.9	2.94 74.8	3.18 80.9	2.63 66.8	2.15 54.7	_ _IULO-x	_ _2GL7-x-LK	4.4	_ _2AL7-x-LK	12.4	_ _2GL-O7-x-LK	_ _OULO-x	_ _2GL4-x-LK	_ _IUL3-x
							3.42 86.9	2.94 74.8	3.18 80.9	2.63 66.8	2.15 54.7	ZALUL6-x-LK					_ _2OL7-x-LK	ZALUL6-x-LK	_ _2AL4-x-LK	ZAMUL6-x-LK

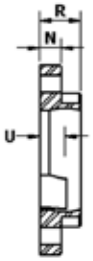
Small Pattern 2-Bolt Flange

Polymer or Stainless “6” Series Small Pattern 2-Bolt Housing

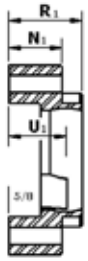
Sample p/n 6AB

Sample p/n 6GB





Standard



QuiKlean®

*QuiKlean® adds .625” (5/8”) standoff & LTB

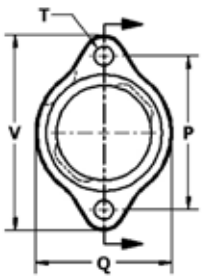
x = Shaft Size			mm∅ **Inch∅** Ring **Group**	**Stainless (SS) Housing p/n**	**Polymer (KG) Housing p/n**	P	V	T	R	N	Z	Q	N	DoubleLock® Sleeve	
									R_1*	N_1*	Z_1*			F	K
mm	in	16ths				in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	6AA	6GA	2.5 63.5	3.18 81.0	1/4	.69 17.5	.38 9.5	.42 10.7	2.09 53.2	.44 11.2	.44 11.2	1.49 38
15	9/16	9	**1.575**												
	5/8	10	203												
17	11/16	11	**A**												
12	**1/2**	**8**	47	6AB	6GB	2.81 71.4	3.56 90.5	5/16	.87 22.2	.42 10.7	.50 12.7	2.42 61.4	.50 12.7	.50 12.7	1.63 41
	9/16	9	**1.850**												
15	**5/8**	**10**	204												
17	11/16	11	**B**												
20	**3/4**	12													
	3/4	12	52	6AC	6GC	3 76.2	3.75 95.2	5/16	.81 20.6	.42 10.7	.50 12.7	2.72 69.1	.50 12.7	.50 12.7	1.75 44
	13/16	13	**2.047**												
	7/8	14	205												
25	15/16	15	**C**												
	1	**16**													
	1	16	62	6AD	6GD	3.56 90.5	4.43 112.7	3/8	.96 24.6	.46 11.9	.56 14.3	3.09 78.6	.56 14.2	.50 12.7	2 50
	1-1/16	17	**2.441**												
	1-1/8	18	206												
30	**1-3/16**	**19**	**D**												
	1-1/4	20													
	1-3/16	19	72	6AE	6GE	3.94 100.0	4.74 125.4	3/8	.84 21	.50 12.7	.56 14.3	3.50 88.9	.56 14.2	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**												
	1-5/16	21	207												
	1-3/8	22	**E**	6AE-QK	6GE-QK				1.5 38.1	1.12 28.5	1.18 30.2				
35	1-7/16	23													

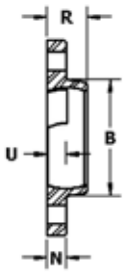
Piloted 2-Bolt Flange

Stainless “6-SP” Series Piloted Small Pattern 2-Bolt Housing

Round bolt holes are standard.
*Square bolt holes are available.
If required, please call for price and lead time.

Sample p/n 6AB-SP

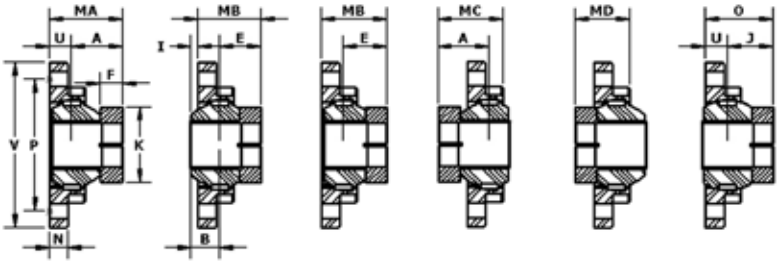




x = Shaft Size			mm∅ **Inch∅** Ring **Group**	**Stainless (SS) Housing p/n**	P	V	T	R	N	Q	B	DoubleLock® Sleeve	
												F	K
mm	in	16ths			in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	in mm
12	**1/2**	**8**	47	6AB-SP	2.81 71.4	3.56 90.5	5/16	.73 18.5	.35 8.9	2.50 63.5	2.12 53.8	.50 12.7	1.63 41
	9/16	9	**1.850**										
15	**5/8**	**10**	204										
17	11/16	11	**B**										
20	**3/4**	12											
	3/4	12	52	6AC-SP	3 76.2	3.75 95	5/16	.78 19.8	.42 10.7	2.72 69.1	2.34 59.4	.50 12.7	1.75 44
	13/16	13	**2.047**										
	7/8	14	205	6AC-SP-Q*									
25	15/16	15	**C**										
	1	**16**											

Poly-Round® Solution® Small Pattern 2-Bolt Flange

"6" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View C** **View D** **Poly-Sphere®**

Sample p/n NA6AC7-1-LK

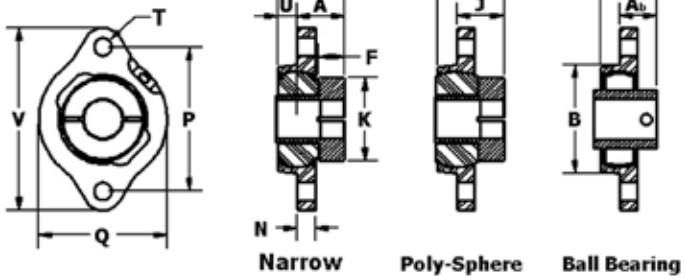
Sample p/n FA6GC7-1-LK

*QuiKlean® adds .625" (5/8") standoff & LTB

U						MA_{-KG}*	MB_{-KG}*	O_{-KG}*	MC_{-KG}	MD_{-KG}	**Standard Poly-Round® Solution® p/n**					**Poly-Sphere® p/n**		**Narrow p/n**	
U1*	B	A	E	J	I	MA_{-SS}*	MB_{-SS}*	O_{-SS}*	MC_{-SS}	MD_{-SS}		Polymer (KG)		Stainless (SS)		Poly-Sphere® & Poly-Round® weigh same			
											Poly-Round® Insert DoubleLock®	Std Assembly QK Assembly	Wt lbs	Std Assembly QK Assembly	Wt lbs	KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	KG Assembly SS Assembly	Narrow Insert KleanCap™ DoubleLock®
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm									
.42 10.6	.60 15.2	1.04 26.4	.75 19.1	.96 24.3	.18 4.5	1.46 37.1	1.17 29.8	1.31 33.4	1.31 33.4	1.02 26.1	_ _IUA7-x ZALUA6-x-LK	_ _6GA7-x-LK	.3	_ _6AA7-x-LK	.6	_ _6GA-O7-x-LK _ _6OA7-x-LK	_ _OUAO-x ZALUA6-x-LK	_ _6GA4-x-LK _ _6AA4-x-LK	_ _IUA3-x ZAMUA6-x-LK
						1.46 37.1	1.17 29.8	1.31 33.4	1.31 33.4	1.02 26.1									
.50 12.7	.60 15.2	1.10 27.9	.94 23.8	1.02 25.9	.10 2.5	1.6 4.6	1.43 36.5	1.51 38.5	1.45 36.9	1.29 32.8	_ _IUB7-x ZALUB6-x-LK	_ _6GB7-x-LK	.4	_ _6AB7-x-LK	.9	_ _6GB-O7-x-LK _ _6OB7-x-LK	_ _OUBO-x ZALUB6-x-LK	_ _6GB4-x-LK _ _6AB4-x-LK	_ _IUB3-x ZAMUB6-x-LK
						1.6 4.6	1.43 36.5	1.51 38.5	1.45 36.9	1.29 32.8									
.50 12.7	.66 16.8	1.16 29.5	.94 23.8	1.05 26.7	.16 4.1	1.62 41.1	1.39 35.4	1.50 38.3	1.51 38.5	1.29 32.8	_ _IUC7-x ZALUC6-x-LK	_ _6GC7-x-LK	.5	_ _6AC7-x-LK	1.1	_ _6GC-O7-x-LK _ _6OC7-x-LK	_ _OUCO-x ZALUC6-x-LK	_ _6GC4-x-LK _ _6AC4-x-LK	_ _IUC3-x ZAMUC6-x-LK
						1.66 42.2	1.43 36.5	1.55 39.3	1.47 37.4	1.25 31.7									
.56 14.2	.80 2.2	1.30 32.9	.99 25.1	1.14 29.0	.23 5.9	1.86 47.2	1.55 39.4	1.70 43.3	1.69 42.9	1.38 35.1	_ _IUD7-x ZALUD6-x-LK	_ _6GD7-x-LK	.8	_ _6AD7-x-LK	2	_ _6GD-O7-x-LK _ _6OD7-x-LK	_ _OUDO-x ZALUD6-x-LK	_ _6GD4-x-LK _ _6AD4-x-LK	_ _IUD3-x ZAMUD6-x-LK
						1.86 47.2	1.55 39.4	1.70 43.3	1.69 42.9	1.38 35.1									
.56 14.2	.97 24.6	1.47 37.3	1 25.4	1.26 32	.41 10.3	2.03 51.6	1.56 39.7	1.79 45.6	1.86 47.3	1.39 35.4	_ _IUE7-x ZALUE6-x-LK	_ _6GE7-x-LK	1	_ _6AE7-x-LK	2	_ _6GE-O7-x-LK _ _6OE7-x-LK	_ _OUEO-x ZALUE6-x-LK	_ _6GE4-x-LK _ _6AE4-x-LK	_ _IUE3-x ZAMUE6-x-LK
1.18 30.1						2.03 51.6	1.56 39.7	1.79 45.6	1.86 47.3	1.39 35.4		_ _6GE-QK7-x-LK	1.1	_ _6AE-QK7-x-LK	2.2				

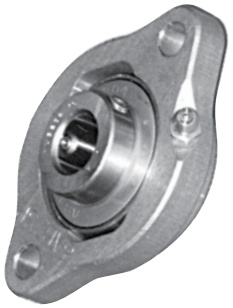
Poly-Round® Solution® Piloted 2-Bolt Flange

"6-SP" Series Housing with Poly-Sphere® or Ball Bearing



Narrow **Poly-Sphere** **Ball Bearing**

Sample p/n FA6AB-SP7-$^3/_4$



Sample p/n ZY6AB-SP8-$^3/_4$

U	A	J	A_b	MA	O	MA_b	**Poly-Round® in Stainless**			**Ball Bearing**		
							Poly-Round® Insert KleanCap™ DoubleLock®	Assembly p/n	Wt lbs	Regular	Greaseless to 450ºF	Wt lbs
in mm	in mm	in mm	in mm	in mm	in mm	in mm						
.38 9.7	1.10 27.9	1.02 25.9	0.72 18.2	1.28 32.7	1.30 33.0	1.10 28.0	FAIUBO-B-52 ZAMUB6-3/4	FA6AB-SP7-3/4	.7	ZY6AB-SP8-3/4	ZM6AB-SP8-3/4	.8
.40 10.2	1.16 29.5	1.05 26.7	0.83 21.1	1.31 33.3	1.45 36.9	1.19 30.3	FAIUCO-C ZAMUB6-1	FA6AC-SP7-1	1	ZY6AC-SP8-1	ZM6AB-SP8-1	1.1

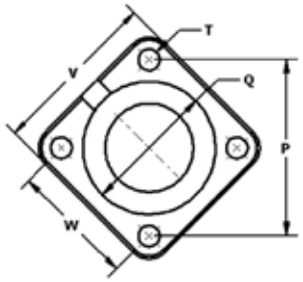
4-Bolt Flange

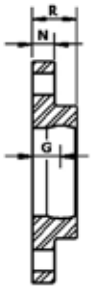
Polymer or Stainless “4” Series 4-Bolt Flange Housing

Sample p/n
4GE-QK

Sample p/n 4AE

Sample p/n
4AG-SPLIT





Standard

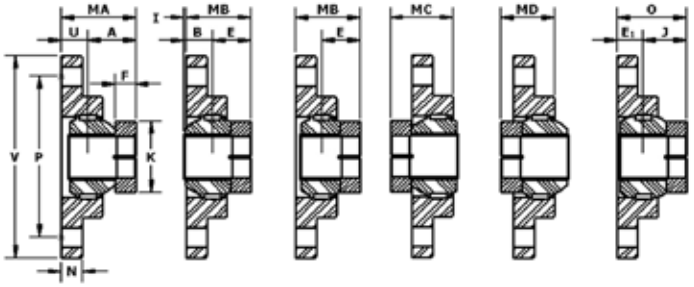
QuiKlean®

*QuiKlean® adds .625” (5/8”) standoff & LTB

x = Shaft Size			mm∅ **Inch∅** Ring **Group**	**Stainless (SS)**		**Polymer (KG)**		W	V	P	T	G	R	N	DoubleLock® Sleeve	
				Housing p/n	Q	Housing p/n	Q					G_1*	R_1*	N_1*	F	K
mm	in	16ths			in mm		in mm	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	4AA	2.15 54.6	4GA	2.15 54.6	2.12 54.0	3 76.2	3 76.2	3/8	.53 13.5	.85 21.4	.43 11.1	.44 11.2	1.49 38
	9/16	9	**1.575**													
15	5/8	10	203	--		4GA-QK						1.15 29.2	1.44 37.4	1.06 27		
17	11/16	11	**A**													
12	**1/2**	**8**	47	4AB	2.42 61.5	4GB	2.68 68.1	2.5 63.5	3.37 85.7	3.54 89.9	3/8	.59 15.1	.84 23.8	.44 11.1	.50 12.7	1.63 41
15	9/16	9	**1.850**													
	5/8	**10**	204	4AB-QK		4GB-QK						1.22 30.6	1.57 39.9	1.06		
17	11/16	11	**B**													
20	**3/4**	**12**														
	3/4	12	52	4AC	2.66 67.6	4GC	2.93 74.4	2.75 69.9	3.75 95.3	3.89 98.8	7/16	.63 16.7	1 25.4	.5 12.7	.50 12.7	1.75 44
	13/16	13	**2.047**													
	7/8	14	205	4AC-QK		4GC-QK						1.26 32	1.63	1.12		
	15/16	15	**C**													
25	**1**	**16**														
	1	16	62	4AD	3.12 79.2	4GD	3.62 91.9	3.25 82.6	4.25 108.0	4.59 116.6	7/16	.66 16.7	1.07 27.0	.5 12.7	.50 12.7	2.0 50
	1-1/16	17	**2.441**													
	1-1/8	18	206	4AD-QK		4GD-QK						1.28 32	1.69	1.12		
30	**1-3/16**	**19**	**D**													
	1-1/4	20														
	1-3/16	19	72	4AE	3.62 91.9	4GE	4.0 101.6	3.62 92.1	4.75 120.7	5.13 130.3	1/2	.79 20.1	1.22 31.0	.56 14.3	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**													
	1-5/16	21	207	4AE-QK		4GE-QK						1.42 36	1.85	1.19		
	1-3/8	22	**E**													
35	1-7/16	23														
	1-7/16	23	80	4AF	4 101.6	4GF	4.56 115.8	4 101.6	5.12 130.2	5.66 143.7	1/2	.77 19.5	1.24 31.8	.56 14.3	.50 12.7	2.38 60
	1-1/2	**24**	**3.150**													
	1-9/16	25	208	4AF-QK		4GF-QK						1.39 35.4	1.86 47.2	1.18 30		
40	1-5/8	26	**F**													
	1-1/2	24	85	4AG	4.25 108	4GG	4.74 120.4	4.12 104.8	5.25 133.4	5.83 148.0	1/2	.76 19.5	1.24 31.8	.62 15.9	.63 15.9	2.75 70
	1-5/8	**26**	**3.346**													
	1-11/16	27	209													
45	**1-3/4**	**28**	**G**													
	1-11/16	27	90	4AH	4.56 115.8	4GH	5.06 128.5	4.37 111.1	5.5 139.7	6.19 157.2	1/2	.77 19.6	1.24 31.8	.62 15.9	.63 15.9	3 76
	1-3/4	28	**3.543**													
	1-13/16	29	210													
	1-7/8	30	**H**													
	1-15/16	**31**														
50	**2**	**32**														
	1-15/16	31	100	4AI	5.06 128.5	4GI	5.87 149.1	5.12 130.2	6.5 165.1	7.25 184.2	5/8	.92 23.5	1.47 37.3	.69 17.5	.63 15.9	3.25 83
	2	32	**3.937**													
	2-1/16	33	211													
	2-1/8	34	**I**													
55	**2-3/16**	**35**														
	2-1/4	36														
	2-3/16	35	110	4AJ	5.62 142.7	4GJ	6.56 166.6	5.62 142.9	7 177.8	7.96 202.8	5/8	1.07 27.1	1.66 42.1	.69 17.5	.63 15.9	3.4 86
	2-1/4	**36**	**4.331**													
	2-5/16	37	212													
60	2-3/8	38	**J**													
	2-7/16	**39**														
	2-7/16	39	125	4AK	6.44 163.6	4GK	6.94 176.3	5.87 149.2	7.25 184.2	8.31 211	5/8	1.25 31.8	1.86 47.6	.75 19.1	.75 19.1	3.8 96
	2-1/2	40	**4.921**													
	2-5/8	42	214													
	2-11/16	43	**K**													
70	**2-3/4**	**44**														
	2-11/16	43	130	4AL	6.5 165.1	4GL	6.94 176.3	6 152.4	7.62 193.7	8.49 215.6	3/4	1.38 35.2	1.98 50.8	1 25.4	.75 19.1	4.13 105
	2-3/4	44	**5.118**													
	2-13/16	45	215													
	2-7/8	46	**L**													
75	**2-15/16**	**47**														
	3	**48**														
	2-3/4	44	140	4AM	6.5 165.1	4GM	6.94 176.3	6 152.4	7.62 193.7	8.49 215.6	3/4	1.38 35.7	1.98 50.8	1 25.4	.75 19.1	4.5 114.3
	2-7/8	46	**5.511**													
	2-15/16	47	216													
80	3	48	**M**													
	3-1/8	50														
	3-3/16	51														
	2-3/4	44	160	4AO	7.75 196.9	--	--	6.75 171.4	8.37 212.6	9.55 242.6	3/4	1.25 31.8	1.98 50.8	1 25.4	.75 19.1	4.1 104.1
	2-15/16	47	**6.299**													
	3-1/4	52	218													
	3-7/16	55	**O**													
90	3-1/2	56														

Poly-Round® Solution® 4-Bolt Flange

"4" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View C** **View D** **Poly-Sphere®**

Sample p/n
NA4GC-QK7-1-LK

Sample p/n
NA4AC7-16-LK

Sample p/n
NA4GC7-16-LK

*QuiKlean® adds .625" (5/8") standoff & LTB

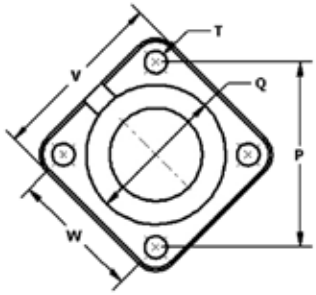
U	A	B	E	E_1	J	I	MA_{-KG}* / MA_{-SS}*	MB_{-KG}* / MB_{-SS}*	O_{-KG}* / O_{-SS}*	MC_{-KG} / MC_{-SS}	MD_{-KG} / MD_{-SS}	Standard Poly-Round® Solution® p/n					Poly-Sphere®		Narrow p/n	
													Polymer (KG)		Stainless (SS)		Poly-Sphere® & Poly-Round® weigh same			
												Poly-Round® Insert	Std Assembly		Std Assembly			Insert		Narrow Insert
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	DoubleLock®	QK Assembly	Wt lbs	QK Assembly	Wt lbs	KG Assembly SS Assembly	KleanCap™ DoubleLock®	KG Assembly SS Assembly	KleanCap™ DoubleLock®
.53 13.5	1.04 26.4	.60 15.2	.75 19.1	.46 11.6	.96 24.3	.03 .7	1.56 39.8	1.28 32.5	1.42 36.1	1.35 34.5	1.07 27.2	_ _IUAO-x	_ _4GA7-x-LK	.4	_ _4AA7-x-LK	1.2	_ _4GA-O7-x-LK _ _4OA7-x-LK	_ _OUAO-x ZALUA6-x-LK	_ _4GA4-x-LK _ _4AA4-x-LK	_ _IUA3-x ZAMUA6-x-LK
							1.56 39.8	1.28 32.5	1.42 36.1	1.35 34.5	1.07 27.2	ZALUA6-x-LK	_ _4GA-QK7-x-LK	.6	_ _4AA-QK7-x-LK	1.8				
.60 15.2	1.10 27.9	.60 15.2	.94 23.8	.52 13.2	1.02 25.9	0	1.69 43.0	1.53 38.9	1.61 40.9	1.45 36.9	1.29 32.8	_ _IUBO-x	_ _4GB7-x-LK	.4	_ _4AB7-x-LK	1.8	_ _4GB-O7-x-LK _ _4OB7-x-LK	_ _OUBO-x ZALUB6-x-LK	_ _4GB4-x-LK _ _4AB4-x-LK	_ _IUB3-x ZAMUB6-x-LK
							1.69 43.0	1.53 38.9	1.61 40.9	1.45 36.9	1.29 32.8	ZALUB6-x-LK	_ _4GB-QK7-x-LK	.6	_ _4AB-QK7-x-LK	2.4				
.64 16.3	1.16 29.5	.66 16.8	.94 23.8	.55 13.9	1.05 26.7	0	1.79 45.6	1.57 39.9	1.68 42.7	1.51 38.5	1.29 32.8	_ _IUCO-x	_ _4GC7-x-LK	.8	_ _4AC7-x-LK	2.0	_ _4GC-O7-x-LK _ _4OC7-x-LK	_ _OUCO-x ZALUC6-x-LK	_ _4GC4-x-LK _ _4AC4-x-LK	_ _IUC3-x ZAMUC6-x-LK
							1.79 45.6	1.57 39.9	1.68 42.7	1.49 38.0	1.27 32.3	ZALUC6-x-LK	_ _4GC-QK7-x-LK	1	_ _4AC-QK7-x-LK	2.6				
.66 16.8	1.30 32.9	.80 20.2	.99 25.1	.64 16.3	1.14 29	.02 .5	1.95 49.6	1.64 41.8	1.80 45.7	1.70 43.3	1.39 35.5	_ _IUDO-x	_ _4GD7-x-LK	.8	_ _4AD7-x-LK	2.6	_ _4GD-O7-x-LK _ _4OD7-x-LK	_ _OUDO-x ZALUD6-x-LK	_ _4GD4-x-LK _ _4AD4-x-LK	_ _IUD3-x ZAMUD6-x-LK
							1.95 49.6	1.64 41.8	1.80 45.7	1.70 43.3	1.39 35.5	ZALUD6-x-LK	_ _4GD-QK7-x-LK	1.1	_ _4AD-QK7-x-LK	3.2				
.80 20.3	1.47 37.3	.97 24.6	1 25.4	.74 18.1	1.26 32	.04 13.9	2.26 57.4	1.79 45.5	2.02 51.4	1.90 48.2	1.43 36.3	_ _IUEO-x	_ _4GE7-x-LK	12	_ _4AE7-x-LK	3.8	_ _4GE-O7-x-LK _ _4OE7-x-LK	_ _OUEO-x ZALUE6-x-LK	_ _4GE4-x-LK _ _4AE4-x-LK	_ _IUE3-x ZAMUE6-x-LK
							2.26 57.4	1.79 45.5	2.02 51.4	1.90 48.2	1.43 36.3	ZALUE6-x-LK	_ _4GE-QK7-x-LK	1.6	_ _4AE-QK7-x-LK	4.4				
.80 20.3	1.51 38.3	1.01 25.6	1.09 27.8	.80 20.3	1.30 33	.04 13.9	2.27 57.7	1.86 47.2	2.06 52.5	1.97 50.2	1.56 39.7	_ _IUFO-x	_ _4GF7-x-LK	1.4	_ _4AF7-x-LK	4.6	_ _4GF-O7-x-LK _ _4OF7-x-LK	_ _OUFO-x ZALUF6-x-LK	_ _4GF4-x-LK _ _4AF4-x-LK	_ _IUF3-x ZAMUF6-x-LK
							2.27 57.7	1.86 47.2	2.06 52.5	1.97 50.2	1.56 39.7	ZALUF6-x-LK	_ _4GF-QK7-x-LK	1.8	_ _4AF-QK7-x-LK	5.2				
.78 19.8	1.69 43	1.07 27.2	1.22 31	.80 21.9	1.46 37	.09 2.3	2.45 62.3	1.98 50.3	2.21 56.3	2.17 55.1	1.69 43.1	_ _IUGO-x	_ _4GG7-x-LK	2.2	_ _4AG7-x-LK	5.6	_ _4GG-O7-x-LK _ _4OG7-x-LK	_ _OUGO-x ZALUG6-x-LK	_ _4GG4-x-LK _ _4AG4-x-LK	_ _IUG3-x ZAMUG6-x-LK
							2.45 62.3	1.98 50.3	2.21 56.3	2.17 55.1	1.69 43.1	ZALUG6-x-LK								
.78 19.8	1.69 43	1.07 27.2	1.22 31	.83 21.1	1.48 37.6	.10 2.5	2.46 62.5	1.98 50.5	2.22 56.5	2.16 54.9	1.68 42.9	_ _IUHO-x	_ _4GH7-x-LK	2.2	_ _4AH7-x-LK	5.6	_ _4GH-O7-x-LK _ _4OH7-x-LK	_ _OUHO-x ZALUH6-x-LK	_ _4GH4-x-LK _ _4AH4-x-LK	_ _IUH3-x ZAMUH6-x-LK
							2.46 62.5	1.98 50.5	2.22 56.5	2.16 54.9	1.68 42.9	ZALUH6-x-LK								
.93 23.6	1.85 47	1.22 31.1	1.25 31.8	.93 23.6	1.58 40.1	.05 1.31	2.77 70.4	2.17 55.2	2.47 62.8	2.39 60.9	1.79 45.6	_ _IUIO-x	_ _4GI7-x-LK	3.4	_ _4AI7-x-LK	9.4	_ _4GI-O7-x-LK _ _4OI7-x-LK	_ _OUIO-x ZALUI6-x-LK	_ _4GI4-x-LK _ _4AI4-x-LK	_ _IUI3-x ZAMUI6-x-LK
							2.77 70.4	2.17 55.2	2.47 62.8	2.39 60.9	1.79 45.6	ZALUI6-x-LK								
1.1 27.9	2.06 52.4	1.44 36.5	1.28 32.5	1.05 26.7	1.70 43.2	.22 5.6	3.13 79.5	2.34 59.6	2.74 69.5	2.65 67.4	1.87 47.5	_ _IUJO-x	_ _4GJ7-x-LK	4	_ _4AJ7-x-LK	11.6	_ _4GJ-O7-x-LK _ _4OJ7-x-LK	_ _OUJO-x ZALUJ6-x-LK	_ _4GJ4-x-LK _ _4AJ4-x-LK	_ _IUJ3-x ZAMUJ6-x-LK
							3.13 79.5	2.34 59.6	2.74 69.5	2.65 67.4	1.87 47.5	ZALUJ6-x-LK								
1.24 31.5	2.10 53.3	1.35 34.3	1.50 38.1	1.05 26.7	1.83 46.5	.11 2.8	3.35 85.0	2.75 69.8	3.05 77.4	2.71 68.8	2.11 53.5	_ _IUKO-x	_ _4GK7-x-LK	6.1	_ _4AK7-x-LK	14.2	_ _4GK-O7-x-LK _ _4OK7-x-LK	_ _OUKO-x ZALUK6-x-LK	_ _4GK4-x-LK _ _4AK4-x-LK	_ _IUK3-x ZAMUK6-x-LK
							3.35 85.0	2.75 69.8	3.05 77.4	2.71 68.8	2.11 53.5	ZALUK6-x-LK								
1.38 35.0	2.04 51.8	1.29 32.7	1.56 39.7	1.05 26.7	1.83 46.5	0	3.42 86.9	2.94 74.8	3.18 80.9	2.63 66.8	2.15 54.7	_ _IULO-x	_ _4GL7-x-LK	6	_ _4AL7-x-LK	16.4	_ _4GL-O7-x-LK _ _4OL7-x-LK	_ _OULO-x ZALUL6-x-LK	--	--
							3.42 86.9	2.94 74.8	3.18 80.9	2.63 66.8	2.15 54.7	ZALUL6-x-LK								
1.39 35.3	2.26 57.4	1.51 38.4	1.59 40.4	1.08 29.9	1.93 49.0	.12 3.1	3.62 92.0	2.95 75.0	3.29 83.5	2.87 73.0	2.20 56.0	_ _IUMO-x	_ _4GM7-x-LK	6.7	_ _4AM7-x-LK	17.9	_ _4GM-O7-x-LK _ _4OM7-x-LK	_ _OUMO-x ZALUM6-x-LK	--	--
							3.64 92.6	2.97 75.5	3.31 84.0	2.85 72.4	2.18 55.4	ZALUM6-x-LK								
1.25 31.8	2.26 57.4	1.51 38.4	1.59 40.4	1.18 29.9	1.93 49.0	.26 6.6	3.55 90.2	2 50.8	3.37 85.7	3.03 77.0	1.48 37.5	_ _IUOO-x	--	--	_ _4AO7-x-LK	22	-- _ _4OO7-x-LK	_ _OULO-x ZALUL6-x-LK	--	--
							3.55 90.2	2 50.8	3.37 85.7	3.03 77.0	1.48 37.5	ZALUO6-x-LK								

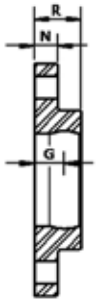
Small Pattern 4-Bolt

Polymer or Stainless “4^-01” Series 4-Bolt Flange Housing

Sample p/n 4AC-01

Sample p/n 4GC-01-QK





Standard

QuiKlean®

*QuiKlean® adds .625” (5/8”) standoff & LTB

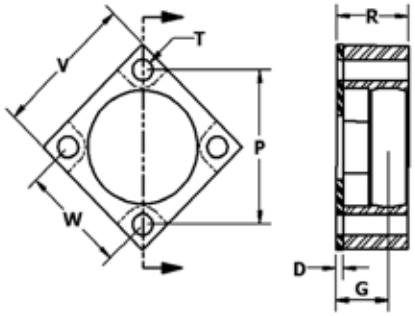
x = Shaft Size				Stainless (SS)	Polymer (KG)	W	V	P	T	Q	G*	R	N	DoubleLock® Sleeve	
											G_1*	R_1*	N_1*	F	K
mm	in	16ths	mm∅ **Inch**∅ Ring **Group**	Housing p/n	Housing p/n	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	in mm
25	3/4 13/16 7/8 15/16 **1**	12 13 14 15 **16**	52 **2.047** 205 **C**	4AC-01	4AC-01	2.25 57.15	3.13 79.4	5.06 128.6	3/8	2.75 70	.66 17.7	.99 25.1	.25 6.4	.50 12.7	1.75 44
				4AC-01-QK	4GC-01-QK						1.29 32.8	1.62 41.1	.88 22.4		

“Breader Bearing”

Stainless “ZA100” QuiKlean® housing is exclusive to EDT

Specially designed to retrofit into most popular breading equipment

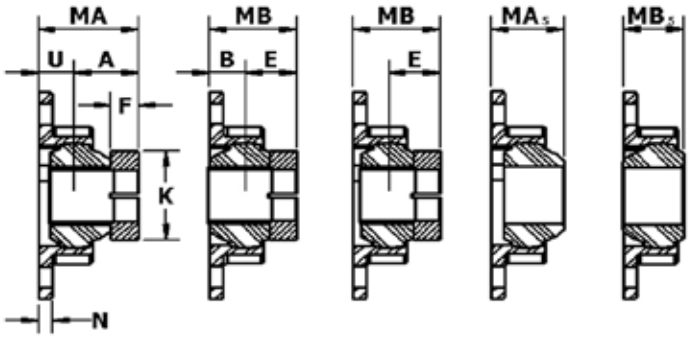
Sample p/n ZA100-QK



x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	Stainless (SS)	W	V	P	T	G	R	D
mm	in	16ths		Housing p/n	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm
25	3/4 1	12 16	52 **2.047** 205 **C**	ZA100-QK	1.87	2.5	2.65	5/16	.93	1.28	.13

Poly-Round® Solution® Small Pattern 4-Bolt

"4^-01" Series 4-Bolt Flange Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View A** **No Sleeve** **View B** **No Sleeve**

Sample p/n
NA4GC-015-1

Sample p/n
NA4AC-017-1-LK

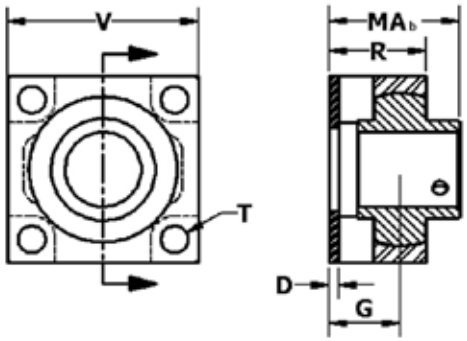
*QuiKlean® adds .625" (5/8") standoff & LTB

U	A	B	E	MA*	MB*	MA5*	MB5*	Standard Poly-Round® Solution® p/n					Narrow Poly-Round® p/n	
									Polymer (KG) Assembly		Stainless (SS) Assembly			
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Poly-Round® Insert DoubleLock®	No sleeve With sleeve QK with sleeve	Wt lbs	No sleeve With sleeve QK with sleeve	Wt lbs	Narrow, no sleeve Narrow with sleeve QK Narrow with sleeve	Narrow Insert KleanCap™ DoubleLock®
.64 16.2	1.16 29.5	.66 16.8	0.94 23.8	1.84 46.7	1.64 41.7	1.33 33.8	1.12 28.4	_ _IUCO-x ZALUC6-x-LK	_ _4GC-015-x _ _4GC-017-x-LK _ _4GC-01-QK7-x-LK	.3 .6 .7	_ _4AC-015-x _ _4AC-017-x-LK _ _4AC-01-QK7-x-LK	1.1 1.4 1.5	_ _4GC-013-x _ _4GC-014-x-LK _ _4GC-01-QK4-x-LK	_ _IUC3-x ZAMUC6-x-LK

7-x Indicates locking sleeve (Poly-Round® sized to mate with sleeve)
5-x Indicates no locking sleeve (Poly-Round® sized to run on shaft)
7-x-LK Indicates DoubleLock® style sleeve

"Breader Bearing" Assembly

Stainless 4-Bolt QuiKlean® Housing with Solid Lubricated Ball Bearing Insert & Backing Plate



NOTE: Ball bearing is recommended on popular breading equipment

Sample p/n
ZJZA100-QK8-1

MAb	Breader Bearing Components			
in mm	Bearing	Backing Plate	Assembly	Wt lbs
1.70	205-16-J	PA100-1	ZJZA100-QK8-1	1.0

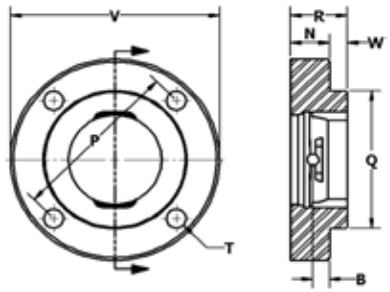
EDT recommends assembly with solid lubricated ball bearing.

Piloted 4-Bolt Flange

Polymer or Stainless “24” Series Piloted 4-Bolt Housing

Sample p/n 24AE

Sample p/n 24GE

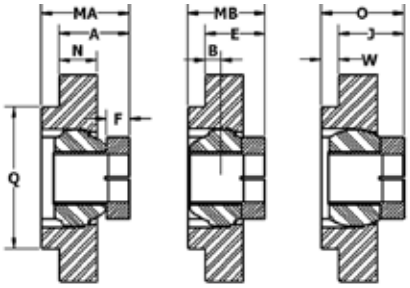


x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	**Stainless (SS) Housing p/n**	**Polymer (KG) Housing p/n**	P	V	W	R	N	B	Q	T	DoubleLock® Sleeve	
mm	in	16ths				in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	F in mm	K in mm
12	1/2	8	40	--	--	--	--	--	--	--	--	--	--	--	--
15	9/16	9	**1.575**												
	5/8	10	203												
17	11/16	11	**A**												
12	**1/2**	**8**		--	--	--	--	--	--	--	--	--	--	--	--
	9/16	9	47												
15	**5/8**	**10**	**1.850**												
17	11/16	11	204												
20	**3/4**	**12**	**B**												
	3/4	12	52	24AC	24GC	3.63 92.1	4.38 111.1	.38 9.5	1.19 30.1	.88 22.2	11.34 8.7	3 76.2	3/8	.50 12.7	1.75 44
	13/16	13	**2.047**												
	7/8	14	205												
25	15/16	15	**C**												
	1	**16**													
	1	16	62	24AD	24GD	3.63 92.1	4.38 111.1	.38 9.5	1.25 31.7	.88 22.2	.34 8.7	3 76.2	3/8	.50 12.7	2.0 50
	1-1/16	17	**2.441**												
	1-1/8	18	206												
30	**1-3/16**	**19**	**D**												
	1-1/4	20													
	1-3/16	19	72	24AE	24GE	4.13 104.8	5 127.0	.38 9.5	1.25 31.7	.88 22.2	.34 8.7	3.38 85.7	7/16	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**												
	1-5/16	21	207												
	1-3/8	22	**E**												
35	1-7/16	23													
	1-7/16	23	80	24AF	24GF	4.38 111.1	5.25 133.4	.44 11.1	1.44 36.5	.88 22.2	.34 8.7	3.63 92.1	7/16	.50 12.7	2.38 60
	1-1/2	**24**	**3.150**												
	1-9/16	25	208												
40	1-5/8	26	**F**												
	1-1/2	24	85	24AG	24GG	4.38 111.1	5.25 133.4	.44 11.1	1.44 36.5	.88 22.2	.34 8.7	3.63 92.1	1/2	.63 15.9	2.75 70
	1-5/8	**26**	**3.346**												
	1-11/16	27	209												
45	**1-3/4**	**28**	**G**												
				◆ 24AG/DSC	**◆** 24GG/DSC	4.75 120.65	5-3/4 146.1					4 101.6	1/2		
	1-11/16	27	90	24AH	24GH	5.13 130.2	6.13 155.6	.63 15.9	1.50 38.1	.88 22.2	.23 6.0	4.25 108.0	1/2	.63 15.9	3.0 76
	1-3/4	28	**3.543**												
	1-13/16	29	210												
	1-7/8	30	**H**												
50	**1-15/16**	**31**													
	2	**32**													
	1-15/16	31	100	24AI	24GI	5.38 136.5	6.38 161.9	.63 15.9	1.50 38.1	.88 22.2	.19 4.7	4.25 114.3	1/2	.63 15.9	3.25 83
	2	32	**3.937**												
	2-1/16	33	211												
	2-1/8	34	**I**												
55	**2-3/16**	**35**													
	2-1/4	36													
	2-3/16	35	110	24AJ	24GJ	6 152.4	7.13 180.9	.88 22.2	1.88 47.6	1 25.4	.19 4.7	5 127	9/16	.63 15.9	3.4 86
	2-1/4	**36**	**4.331**												
	2-5/16	37	212												
60	2-3/8	38	**J**												
	2-7/16	**39**													
	2-7/16	39	125	24AK	24GK	6.5 165.1	7.63 193.7	1 25.4	2 50.8	1 25.4	.11 2.7	5.50 132.1	9/16	.75 19.1	3.8 96
	2-1/2	40	**4.921**												
	2-5/8	42	214												
	2-11/16	43	**K**												
70	**2-3/4**	**44**													
	2-11/16	43	130	24AL	24GL	7.5 190.5	8.75 222.2	1.13 28.6	2.13 54.0	1 25.4	.13 3.1	6.38 161.9	11/16	.75 19.1	4.13 105
	2-3/4	44	**5.118**												
	2-13/16	45	215												
	2-7/8	46	**L**												
75	**2-15/16**	**47**													
	3	**48**													
	2-3/4	44	140	24AM	24GM	7.5 190.5	8.75 222.2	1.13 28.6	2.13 54.0	1 25.4	.13 3.1	6.38 161.9	11/16	.75 19.1	4.45 113
	2-7/8	46	**5.511**												
	2-15/16	47	216												
80	3	48	**M**												
	3-1/8	50													
	3-3/16	51													

◆ 24GG/DSC is a specific match to the DODGE SC FC- bearing

Poly-Round® Solution® Piloted Flange

"24" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Poly-Sphere®**

Sample p/n
NA24AF7-24-LK

Sample p/n
NA24GF7-26

B	A	E	J	MA	MB	O	Standard Poly-Round® Solution® p/n					Poly-Sphere® p/n		Narrow p/n	
							Poly-Round® Insert	Polymer (KG)		Stainless (SS)		KG Assembly	Poly-Sphere® Insert	KG Assembly	Narrow Insert
in mm	in mm	in mm	in mm	in mm	in mm	KG SS	DoubleLock®	Assembly	Wt lbs	Assembly	Wt lbs	SS Assembly	KleanCap™ DoubleLock®	SS Assembly	KleanCap™ DoubleLock®
												Poly-Sphere® & Poly-Round® weigh same			
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
.66 16.8	1.16 29.5	.94 23.8	1.05 26.7	1.88 47.8	1.65 42.0	1.76 44.9	_ _IUCO-x ZALUC6-x-LK	_ _24GC7-x-LK	1.0	_ _24AC7-x-LK	3.2	_ _24GC-O7-x-LK _ _24OC7-x-LK	_ _OUCO-x ZALUC6-x-LK	_ _24GC4-x-LK _ _24AC4-x-LK	_ _IUC3-x ZAMUC6-x-LK
.80 20.2	1.30 32.9	.99 25.1	1.14 29	2.01 51.2	1.70 43.4	1.51 38.5	_ _IUDO-x ZALUD6-x-LK	_ _24GD7-x-LK	1.1	_ _24AD7-x-LK	3.4	_ _24GD-O7-x-LK _ _24OD7-x-LK	_ _OUDO-x ZALUD6-x-LK	_ _24GD4-x-LK _ _24AD4-x-LK	_ _IUD3-x ZAMUD6-x-LK
.97 24.6	1.47 37.3	1 25.4	1.26 32	2.17 55.2	1.70 43.3	1.61 40.8	_ _IUEO-x ZALUE6-x-LK	_ _24GE7-x-LK	1.2	_ _24AE7-x-LK	4.2	_ _24GE-O7-x-LK _ _24OE7-x-LK	_ _OUEO-x ZALUE6-x-LK	_ _24GE4-x-LK _ _24AE4-x-LK	_ _IUE3-x ZAMUE6-x-LK
1.01 25.6	1.51 38.3	1.09 27.8	1.30 33	2.25 57.3	1.84 46.8	1.73 44.1	_ _IUFO-x ZALUF6-x-LK	_ _24GF7-x-LK	1.4	_ _24AF7-x-LK	4.6	_ _24GF-O7-x-LK _ _24OF7-x-LK	_ _OUFO-x ZALUF6-x-LK	_ _24GF4-x-LK _ _24AF4-x-LK	_ _IUF3-x ZAMUF6-x-LK
1.07 27.2	1.69 43	1.22 31	1.46 37	2.44 62.0	1.96 50.0	1.89 48.1	_ _IUGO-x ZALUG6-x-LK	_ _24GG7-x-LK 24GG/DSC is a specific match to the DODGE SC FC- bearing _ _24GG/DSG-O7-x-LK	2.0 2.0	_ _24AG7-x-LK _ _240G/DSG7-x-LK	4.6 4.6	_ _24GG-O7-x-LK _ _24OG7-x-LK _ _24GG/DSG-O7-x-LK _ _24OG/DSG7-x-LK	_ _OUGO-x ZALUG6-x-LK	_ _24GG4-x-LK _ _24AG4-x-LK _ _24GG/DSG4-x-LK _ _24AG/DSG4-x-LK	_ _IUG3-x ZAMUG6-x-LK
1.07 27.2	1.69 43	1.22 31	1.48 37.6	2.55 64.8	2.08 52.8	2.08 52.8	_ _IUHO-x ZALUH6-x-LK	_ _24GH7-x-LK	2.1	_ _24AH7-x-LK	6.4	_ _24GH-O7-x-LK _ _24OH7-x-LK	_ _OUHO-x ZALUH6-x-LK	_ _24GH4-x-LK _ _24AH4-x-LK	_ _IUH3-x ZAMUH6-x-LK
1.22 31.1	1.85 47	1.25 31.8	1.58 40.1	2.66 67.6	2.06 52.4	2.17 55.2	_ _IUIO-x ZALUI6-x-LK	_ _24GI7-x-LK	2.8	_ _24AI7-x-LK	7.4	_ _24GI-O7-x-LK _ _24OI7-x-LK	_ _OUIO-x ZALUI6-x-LK	_ _24GI4-x-LK _ _24AI4-x-LK	_ _IUI3-x ZAMUI6-x-LK
1.44 36.5	2.06 52.4	1.28 32.5	1.70 43.2	3.12 79.4	2.34 59.5	2.54 64.6	_ _IUJO-x ZALUJ6-x-LK	_ _24GJ7-x-LK	3.6	_ _24AJ7-x-LK	9.8	_ _24GJ-O7-x-LK _ _24OJ7-x-LK	_ _OUJO-x ZALUJ6-x-LK	_ _24GJ4-x-LK _ _24AJ4-x-LK	_ _IUJ3-x ZAMUJ6-x-LK
1.35 34.3	2.10 53.3	1.50 38.1	1.83 46.5	3.20 81.4	2.60 66.2	2.8 71.1	_ _IUKO-x ZALUK6-x-LK	_ _24GK7-x-LK	4.4	_ _24AK7-x-LK	13	_ _24GK-O7-x-LK _ _24OK7-x-LK	_ _OUKO-x ZALUK6-x-LK	_ _24GK4-x-LK _ _24AK4-x-LK	_ _IUK3-x ZAMUK6-x-LK
1.29 32.7	2.04 51.8	1.56 39.7	1.83 46.5	3.28 83.4	2.81 71.3	2.92 74.2	_ _IULO-x ZALUL6-x-LK	_ _24GL7-x-LK	5.8	_ _24AL7-x-LK	19.4	_ _24GL-O7-x-LK _ _24OL7-x-LK	_ _OULO-x ZALUL6-x-LK	_ _24GL4-x-LK _ _24AL4-x-LK	_ _IUL3-x ZAMUL6-x-LK
1.51 38.4	2.26 57.4	1.59 40.4	1.93 49	3.50 89.1	2.83 72.0	3.05 77.4	_ _IUMO-x ZALUM6-x-LK	_ _24GM7-x-LK	6.2	_ _24AM7-x-LK	19.6	_ _24GM-O7-x-LK _ _24OM7-x-LK	_ _OUMO-x ZALUM6-x-LK	_ _24GM4-x-LK _ _24AM4-x-LK	_ _IUM3-x ZAMUM6-x-LK

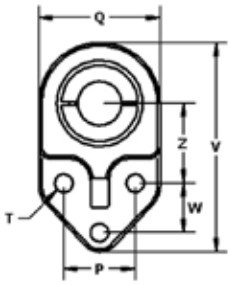
3-Bolt Extension Flange

Polymer or Stainless “3” Series 3-Bolt Extension Housing

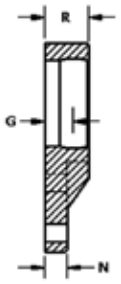
Sample p/n 3AE

Sample p/n 3GE-QK

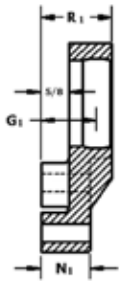
*QuiKlean® adds .625” (5/8”) standoff & LTB



Poly-Round®



Standard

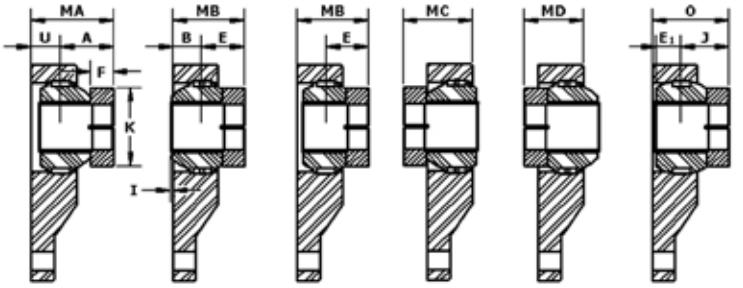


QuiKlean®

x = Shaft Size			mm∅ **Inch∅** Ring **Group**	Stainless (SS)					Polymer (KG)											DoubleLock® Sleeve	
							N	G				N	G					R		
					V	Q	N_1*	G_1*		V	Q	N_1*	G_1*	Z	W	Z+W	P	T	R_1*	F	K
mm	in	16^{ths}		Housing p/n	in mm	in mm	in mm	in mm	Housing p/n	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm
12	1/2	8	40						3GA			.44	.53						.85		
15	9/16	9	**1.575**	3AA	3.5	2	.25	.53		3.65	2.19	11.1	13.4	1.38	.81	2.19	1.25	5/16	21.5	0.44	1.49
	5/8	10	203		88.9	50.8	6.4	13.5	3GA-QK	92.9	55.6	1.06	1.15	34.9	20.6	55.6	31.8		1.48	11.2	38
17	11/16	11	**A**									27.0	29.3						37.4		
12	**1/2**	**8**							3GB			.44	.59						.95		
15	9/16	9	47		4.25	2.5	.31	.59		4.34	2.56	11.1	15	1.68	.89	2.56	1.5	3/8	24.1	.50	1.63
	5/8	**10**	**1.850**	3AB	108.0	63.5	7.9	14.9	3GB-QK	110.3	65.1	1.06	1.22	42.9	22.2	65	38.1		1.58	12.7	41
17	11/16	11	204									27.0	31.0						40.0		
20	**3/4**	**12**	**B**																		
	3/4	12	52						3GC			.50	.63						1		
	13/16	13	**2.047**	3AC	4.75	2.75	.38	.64		4.75	2.75	12.7	16	1.81	1.12	2.94	1.62	3/8	25.4	.50	1.75
	7/8	14	205		120.7	69.9	9.5	16.3	3GC-QK	120.7	69.9	1.12	1.26	46.1	28.6	74.6	41.3		1.62	12.7	44
25	15/16	15	**C**									28.6	32.0						41.1		
	1	**16**																			
	1	16	62						3GD			.50	.66						1.06		
	1-1/16	17	**2.441**	3AD	5.38	3.12	.38	.66		5.44	3.25	12.7	16.7	2.06	1.25	3.31	1.84	3/8	27.1	.50	2.0
	1-1/8	18	206		136.5	79.4	9.5	16.7	3GD-QK	138.1	82.6	1.12	1.28	52.4	31.8	84	47.6		1.68	12.7	50
30	**1-3/16**	**19**	**D**									28.6	20						43.0		
	1-1/4	20																			
	1-3/16	19	72	3AE			.50	.79	3GE			.56	.79						1.22		
	1-1/4	**20**	**2.835**		6	3.63				6.19	3.56	14.3	20	2.37	1.25	1.84	2	1/2	31.1	.50	2.25
	1-5/16	21	207		152.4	92.1	12.7	20		157.2	96.9			60.3	31.8	92	50.8			12.7	57
35	1-3/8	22	**E**	3AE-QK			1.13	1.42	3GE-QK			1.18	1.42						1.84		
	1-7/16	23					28.6	35.9				30.2	35.4						46.9		
	1-7/16	23	80						3GF			.56	.77						1.28		
	1-1/2	**24**	**3.150**	3AF	6.5	4	.50	.77		6.67	4.25	14.3	19.5	2.56	1.37	3.94	2.25	1/2	31.8	.50	2.38
40	1-9/16	25	208		165.1	101.6	12.7	19.6	3GF-QK	170.7	108.0	1.19	1.39	65.1	34.9	100	57.2		1.86	12.7	60
	1-5/8	26	**F**									30.2	35.4						47.4		
	1-1/2	24	85						--	--	--	--	--	2.75	1.5	4.25	2.5	1/2	1.24	.63	2.75
	1-5/8	**26**	**3.346**	3AG	6.94	4.25	.50	.76						69.9	38.1	104.8	63.5		31.8	15.9	70
45	1-11/16	27	209		176.2	108.0	12.7	19.8													
	1-3/4	**28**	**G**																		
	1-11/16	27	90						3GH												
	1-3/4	28	**3.543**	3AH	7.41	4.56	.50	.77		7.62	4.87	.62	.77	2.94	1.62	4.56	2.75	1/2	1.24	.63	3.0
	1-13/16	29	210		188.1	115.9	12.7	19.4		193.7	123.8	15.9	19.6	74.6	41.3	115.8	69.9		31.8	15.9	76
50	1-7/8	30	**H**																		
	1-15/16	**31**																			
	2	**32**																			
	1-15/16	31	100						3GI												
	2	32	**3.937**	3AI	8.04	4.95	.63	.92		8.29	5.37	.69	.92	3.12	1.75	4.87	3	5/8	1.47	.63	3.25
	2-1/16	33	211		205.6	128.6	15.9	23.4		210.6	136.5	17.5	23.5	79.4	44.5	123.8	76.2		37.3	15.9	83
	2-1/8	34	**I**																		
55	**2-3/16**	**35**																			
	2-1/4	36																			
	2-3/16	35	110						3GJ												
	2-1/4	**36**	**4.331**	3AJ	8.88	5.63	.63	1.07		9.19	6	.69	1.07	3.37	2	5.37	3.5	5/8	1.66	.63	3.4
	2-5/16	37	212		225.4	142.9	15.9	27.2		233.4	152.4	17.5	27.1	85.7	50.8	136.5	88.9		42.1	15.9	86
60	2-3/8	38	**J**																		
	2-7/16	**39**																			
	2-7/16	39	125						--	--	--	--	--	3.75	2.37	6.12	4.25	5/8	1.87	.75	3.8
	2-1/2	40	**4.921**	3AK	10.03	6.47	.63	1.25						95.3	60.3	155.5	108.0		47.6	19.1	96
	2-5/8	42	214		254.8	163.5	15.9	31.8													
70	2-11/16	43	**K**																		
	2-3/4	**44**																			
	2-11/16	43	130						--	--	--	--	--	4	2.62	6.62	4.25	3/4	2	.75	4.13
	2-3/4	44	**5.118**	3AL	10.69	6.5	.75	1.39						101.6	66.7	168.3	108.0		50.8	19.1	105
	2-13/16	45	215		271.5	165.1	19.1	35.2													
75	2-7/8	46	**L**																		
	2-15/16	**47**																			
	3	**48**																			

Poly-Round® Solution® 3-Bolt Extension Flange

"3" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View C** **View D** **Poly-Sphere®**

Sample p/n
NA3AE-QK7-20-LK

Sample p/n
NA3GC7-16-LK

*QuiKlean® adds .625" (5/8") standoff & LTB

Poly-Sphere® & Poly-Round® weigh same

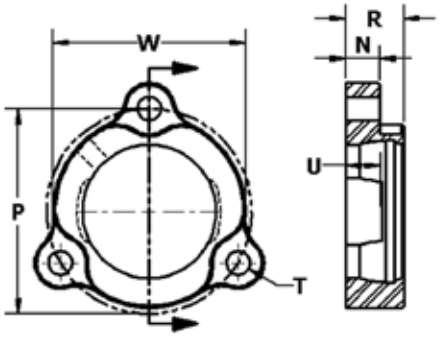
U	B	A	E	J	I	MA_{-KG}* / MA_{-SS}*	MB_{-KG}* / MB_{-SS}*	O_{-KG}* / O_{-SS}*	MC_{-KG} / MC_{-SS}	MD_{-KG} / MD_{-SS}	Standard Poly-Round® Solution® p/n					Poly-Sphere® p/n		Narrow p/n	
											Poly-Round® Insert DoubleLock®	Polymer (KG) Std Assembly / QK Assembly	Wt lbs	Stainless (SS) Std Assembly / QK Assembly	Wt lbs	KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	KG Assembly SS Assembly	Narrow Insert KleanCap™ DoubleLock®
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm									
.53 13.5	.60 15.2	1.04 26.4	.75 19.1	.96 24.3	.03 .7	1.56 39.8 1.56 39.8	1.28 32.5 1.28 32.5	1.42 36.1 1.42 36.1	1.35 34.5 1.35 34.5	1.07 27.2 1.07 27.2	_ _IUAO-x ZALUA6-x-LK	_ _3GA7-x-LK	.4	_ _3AA7-x-LK	.8	_ _3GA-O7-x-LK _ _3OA7-x-LK	_ _OUAO-x ZALUA6-x-LK	_ _3GA4-x-LK _ _3AA4-x-LK	_ _IUA3-x ZAMUA6-x-LK
.60 15.2	.60 15.2	1.10 27.9	.94 23.8	1.02 25.9	0	1.69 43.0 1.69 43.0	1.53 38.9 1.53 38.9	1.61 40.9 1.61 40.9	1.45 36.9 1.45 36.9	1.29 32.8 1.29 32.8	_ _IUBO-x ZALUB6-x-LK	_ _3GB7-x-LK _ _3GB-QK7-x-LK	.6 .6	_ _3AB7-x-LK	1.4	_ _3GB-O7-x-LK _ _3OB7-x-LK	_ _OUBO-x ZALUB6-x-LK	_ _3GB4-x-LK _ _3AB4-x-LK	_ _IUB3-x ZAMUB6-x-LK
.64 16.3	.66 16.8	1.16 29.5	.94 23.8	1.05 26.7	0	1.79 45.6 1.79 45.6	1.57 39.9 1.57 39.9	1.68 42.7 1.68 42.7	1.51 38.5 1.49 38.0	1.29 32.8 1.27 32.3	_ _IUCO-x ZALUC6-x-LK	_ _3GC7-x-LK _ _3GC-QK7-x-LK	.6 .6	_ _3AC7-x-LK	1.6	_ _3GC-O7-x-LK _ _3OC7-x-LK	_ _OUCO-x ZALUC6-x-LK	_ _3GC4-x-LK _ _3AC4-x-LK	_ _IUC3-x ZAMUC6-x-LK
.66 16.8	.80 20.2	1.30 32.9	.99 25.1	1.14 29	.02 .5	1.95 49.6 1.95 49.6	1.64 41.8 1.64 41.8	1.80 45.7 1.80 45.7	1.70 43.3 1.70 43.3	1.39 35.5 1.39 35.5	_ _IUDO-x ZALUD6-x-LK	_ _3GD7-x-LK _ _3GD-QK7-x-LK	.6 .8	_ _3AD7-x-LK	2.2	_ _3GD-O7-x-LK _ _3OD7-x-LK	_ _OUDO-x ZALUD6-x-LK	_ _3GD4-x-LK _ _3AD4-x-LK	_ _IUD3-x ZAMUD6-x-LK
.80 20.3	.97 24.6	1.47 37.3	1 25.4	1.26 32	.04 13.9	2.26 57.4 2.26 57.4	1.79 45.5 1.79 45.5	2.02 51.4 2.02 51.4	1.90 48.2 1.90 48.2	1.43 36.3 1.43 36.3	_ _IUEO-x ZALUE6-x-LK	_ _3GE7-x-LK _ _3GE-QK7-x-LK	1 1	_ _3AE7-x-LK _ _3AE-QK7-x-LK	3.2 3.2	_ _3GE-O7-x-LK _ _3OE7-x-LK	_ _OUEO-x ZALUE6-x-LK	_ _3GE4-x-LK _ _3AE4-x-LK	_ _IUE3-x ZAMUE6-x-LK
.80 20.3	1.01 25.6	1.51 38.3	1.09 27.8	1.30 33	.04 13.9	2.27 57.7 2.27 57.7	1.86 47.2 1.86 47.2	2.06 52.5 2.06 52.5	1.97 50.2 1.97 50.2	1.56 39.7 1.56 39.7	_ _IUFO-x ZALUF6-x-LK	_ _3GF7-x-LK _ _3GF-QK7-x-LK	1.6 1.6	_ _3AF7-x-LK	4.0	_ _3GF-O7-x-LK _ _3OF7-x-LK	_ _OUFO-x ZALUF6-x-LK	_ _3GF4-x-LK _ _3AF4-x-LK	_ _IUF3-x ZAMUF6-x-LK
.78 19.8	1.07 27.2	1.69 43	1.22 31.0	1.46 37	.09 2.3	2.45 62.3 2.45 62.3	1.98 50.3 1.98 50.3	2.21 56.3 2.21 56.3	2.17 55.1 2.17 55.1	1.69 43.1 1.69 43.1	_ _IUGO-x ZALUG6-x-LK	--	--	_ _3AG7-x-LK	5.0	-- _ _3OG7-x-LK	_ _OUGO-x ZALUG6-x-LK	-- _ _3AG4-x-LK	_ _IUG3-x ZAMUG6-x-LK
.78 19.8	1.07 27.2	1.69 43	1.22 31.0	1.48 37.6	.10 2.5	2.46 62.5 2.46 62.5	1.98 50.5 1.98 50.5	2.22 56.5 2.22 56.5	2.16 54.9 2.16 54.9	1.68 42.9 1.68 42.9	_ _IUHO-x ZALUH6-x-LK	_ _3GH7-x-LK	2.2	_ _3AH7-x-LK	5.4	_ _3GH-O7-x-LK _ _3OH7-x-LK	_ _OUHO-x ZALUH6-x-LK	_ _3GH4-x-LK _ _3AH4-x-LK	_ _IUH3-x ZAMUH6-x-LK
.93 23.6	1.22 31.1	1.85 47	1.25 31.8	1.58 40.1	.05 1.31	2.77 70.4 2.77 70.4	2.17 55.2 2.17 55.2	2.47 62.8 2.47 62.8	2.39 60.9 2.39 60.9	1.79 45.6 1.79 45.6	_ _IUIO-x ZALUI6-x-LK	_ _3GI7-x-LK	2.9	_ _3AI7-x-LK	8.2	_ _3GI-O7-x-LK _ _3OI7-x-LK	_ _OUIO-x ZALUI6-x-LK	_ _3GI4-x-LK _ _3AI4-x-LK	_ _IUI3-x ZAMUI6-x-LK
1.1 27.9	1.44 36.5	2.06 52.4	1.28 32.5	1.70 43.2	.22 5.6	3.13 79.5 3.13 79.5	2.34 59.6 2.34 59.6	2.74 69.5 2.74 69.5	2.65 67.4 2.65 67.4	1.87 47.5 1.87 47.5	_ _IUJO-x ZALUJ6-x-LK	_ _3GJ7-x-LK	3.8	_ _3AJ7-x-LK	8.8	_ _3GJ-O7-x-LK _ _3OJ7-x-LK	_ _OUJO-x ZALUJ6-x-LK	_ _3GJ4-x-LK _ _3AJ4-x-LK	_ _IUJ3-x ZAMUJ6-x-LK
1.24 31.5	1.35 34.3	2.10 53.3	1.50 38.1	1.83 46.5	.11 2.8	3.35 85.0 3.35 85.0	2.75 69.8 2.75 69.8	3.05 77.4 3.05 77.4	2.71 68.8 2.71 68.8	2.11 53.5 2.11 53.5	_ _IUKO-x ZALUK6-x-LK	--	--	_ _3AK7-x-LK	11.1	-- _ _3OK7-x-LK	_ _OUKO-x ZALUK6-x-LK	-- _ _3AK4-x-LK	_ _IUK3-x ZAMUK6-x-LK
1.38 35.0	1.29 32.7	2.04 51.8	1.56 39.7	1.83 46.5	0	3.42 86.9 3.42 86.9	2.94 74.8 2.94 74.8	3.18 80.9 3.18 80.9	2.63 66.8 2.63 66.8	2.15 54.7 2.15 54.7	_ _IULO-x ZALUL6-x-LK--	--	--	_ _3AL7-x-LK	11.2	-- _ _3OL7-x-LK	_ _OULO-x ZALUL6-x-LK	-- _ _3AL4-x-LK	_ _IUL3-x ZAMUL6-x-LK

Round 3-Bolt Flange

Polymer or Stainless “22” Series Round 3-Bolt Housing

Sample p/n 22AE

Sample p/n 22GE

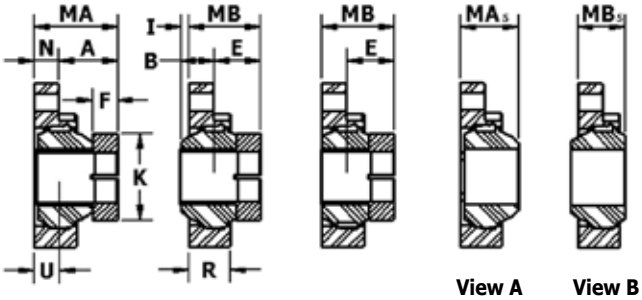


x = Shaft Size				Stainless (SS)		Polymer (KG)		P	W	U	R	T	DoubleLock® Sleeve	
				Housing p/n	N	Housing p/n	N						F	K
mm	in	16ths	mm∅ **Inch∅** Ring **Group**		in mm		in mm	in mm	in mm	in mm	in mm	Bolt Size	in mm	in mm
12	1/2	8	40	22AA	.38 9.5	22GA	.38 9.5	2.5 63.5	2.4	.43 9.5	.69 17.5	1/4	.44 11.2	1.49 38
15	9/16	9	**1.575**											
	5/8	10	203											
17	11/16	11	**A**	22AA-01		22GA-01		2.39 60.7						
12	**1/2**	**8**												
	9/16	9	47											
15	**5/8**	**10**	**1.850**	22AB	.42 12.7	22GB	.42 12.7	2.81 71.4	2.5	.45 9.5	.78 19.8	5/16	.50 1.27	1.63 41
17	11/16	11	204											
20	**3/4**	**12**	**B**											
	3/4	12	52											
	13/16	13	**2.047**											
	7/8	14	205	22AC	.42 12.7	22GC	.50 12.7	3 76.2	2.8	.53 9.5	.84 21.4	5/16	.50 1.27	1.75 44
	15/16	15	**C**											
25	**1**	**16**												
	1	16	62											
	1-1/16	17	**2.441**											
	1-1/8	18	206	22AD	.58 11.9	22GD	.58 13.9	3.56 90.5	3.4	.60 11.9	.98 22.2	3/8	.50 1.27	2 50
30	**1-3/16**	**19**	**D**											
	1-1/4	20												
	1-3/16	19	72											
	1-1/4	**20**	**2.835**											
	1-5/16	21	207	22AE	.65 16.7	22GE	.65 14.3	3.94 100.0	3.7	.70 12.7	1.11 23.8	3/8	.50 12.7	2.25 57
35	1-3/8	22	**E**											
	1-7/16	23												
	1-7/16	23	80											
	1-1/2	**24**	**3.150**											
	1-9/16	25	208	22AF	.65 16.7	--	--	4.64 119.1	4.2	.70 12.7	1.12 28.6	1/2	.50 12.7	2.38 60
40	1-5/8	26	**F**											
	1-1/2	24	85											
	1-5/8	**26**	**3.346**											
	1-11/16	27	209	22AG	.65 16.7	--	--	4.75 120.7	4.5	.70 12.7	1.12 1.12	1/2	.63 15.9	2.75 70
45	**1-3/4**	**28**	**G**											
	1-11/16	27												
	1-3/4	28	90											
	1-13/16	29	**3.543**											
	1-7/8	30	210	22AH	.63 15.9	--	--	5 127.0	4.6	.70 12.7	1.12 28.6	1/2	.63 15.9	3.0 76
50	**1-15/16**	**31**	**H**											
	2	**32**												

Round bolt holes are standard.
*Square bolt holes are available.
If required, please call for price and lead time.

Poly-Round® Solution® Round 3-Bolt

"22" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B** **Narrow** **View A No Sleeve** **View B No Sleeve**

Sample p/n
FA22AC7-1-LK

Sample p/n
NA22GD7-1-1/4-LK

Poly-Sphere® & Poly-Round® weigh same

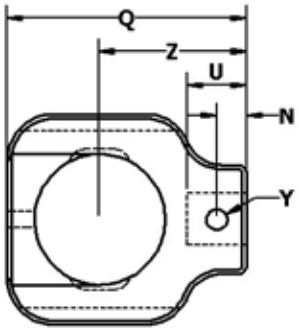
A	B	E	U	I	MA_{-KG} / MA_{-SS}	MB_{-KG} / MB_{-SS}	MA_{5^-KG} / MA_{5^-SS}	MB_{5^-KG} / MB_{5^-SS}	Standard Poly-Round® Solution® p/n					Poly-Sphere® p/n		Narrow p/n	
									Poly-Round® Insert DoubleLock®	Polymer (KG)		Stainless (SS)		KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®	KG Assembly SS Assembly	Narrow Insert KleanCap™ DoubleLock®
										Assembly	Wt lbs	Assembly	Wt lbs				
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm									
1.04 26.4	.60 15.2	.75 19.1	.43 10.9	.07 1.8	-- --	-- --	-- --	-- --	_ _IUAO-x ZALUA6-x-LK	_ _22GA7-x-LK _ _22GA-017-x-LK	.3 .3	_ _22AA7-x-LK _ _22AA-017-x-LK	.9 .9	_ _22GA-O7-x-LK _ _22OA7-x-LK	_ _OUAO-x ZALUA6-x-LK	_ _22GA4-x-LK _ _22AA4-x-LK	_ _IUA3-x ZAMUA6-x-LK
1.10 27.9	.60 15.2	0.94 23.8	.43 10.9	.01 .2	1.52 38.7 1.52 38.7	1.02 26.0 1.02 26.0	1.02 26.0 1.02 26.0	0.86 21.9 0.86 21.9	_ _IUBO-x ZALUB6-x-LK	_ _22GB7-x-LK	.4	_ _22AB7-x-LK	1.0	_ _22GB-O7-x-LK _ _22OB7-x-LK	_ _OUBO-x ZALUB6-x-LK	_ _22GB4-x-LK _ _22AB4-x-LK	_ _IUB3-x ZAMUB6-x-LK
1.16 29.5	.66 16.8	0.94 23.8	.58 14.7	.03 .7	1.67 42.5 1.67 42.5	1.17 29.8 1.17 29.8	1.17 29.8 1.17 29.8	0.94 24.1 0.94 24.1	_ _IUCO-x ZALUC6-x-LK	_ _22GC7-x-LK	.5	_ _22AC7-x-LK	1.2	_ _22GC-O7-x-LK _ _22OC7-x-LK	_ _OUCO-x ZALUC6-x-LK	_ _22GC4-x-LK _ _22AC4-x-LK	_ _IUC3-x ZAMUC6-x-LK
1.30 32.9	.80 20.2	0.99 25.1	.60 15.2	.14 3.5	1.87 47.6 1.87 47.6	1.37 34.9 1.37 34.9	1.37 34.9 1.37 34.9	1.07 27.1 1.07 27.1	_ _IUDO-x ZALUD6-x-LK	_ _22GD7-x-LK	.8	_ _22AD7-x-LK	1.6	_ _22GD-O7-x-LK _ _22OD7-x-LK	_ _OUDO-x ZALUD6-x-LK	_ _22GD4-x-LK _ _22AD4-x-LK	_ _IUD3-x ZAMUD6-x-LK
1.47 37.3	.97 24.6	1 25.4	.68 17.3	.18 4.5	2.15 54.6 2.15 54.6	1.65 41.9 1.65 41.9	1.65 41.9 1.65 41.9	1.18 30.0 1.18 30.0	_ _IUEO-x ZALUE6-x-LK	_ _22GE7-x-LK	1	_ _22AE7-x-LK	2.2	_ _22GE-O7-x-LK _ _22OE7-x-LK	_ _OUEO-x ZALUE6-x-LK	_ _22GE4-x-LK _ _22AE4-x-LK	_ _IUE3-x ZAMUE6-x-LK
1.51 38.3	1.01 25.6	1.09 27.8	--	.24 6.0	-- --	-- --	-- --	-- --	_ _IUFO-x ZALUF6-x-LK	--	--	_ _22AF7-x-LK	2.6	_ _22OF7-x-LK	ZALUF6-x-LK	_ _22GF4-x-LK _ _22AF4-x-LK	_ _IUF3-x ZAMUF6-x-LK
1.69 43.0	1.07 27.2	1.22 31.0	--	.31 7.8	-- --	-- --	-- --	-- --	_ _IUGO-x ZALUG6-x-LK	--	--	_ _22AG7-x-LK	3.0	_ _22OG7-x-LK	ZALUG6-x-LK	_ _22GG4-x-LK _ _22AG4-x-LK	_ _IUG3-x ZAMUG6-x-LK
1.69 43.0	1.07 27.2	1.22 31.0	.72 18.3	.30 7.6	2.41 61.2 2.41 61.2	1.78 45.3 1.78 45.3	1.78 45.3 1.78 45.3	1.31 33.2 1.31 33.2	_ _IUHO-x ZALUH6-x-LK	--	--	_ _22AH7-x-LK	3.4	_ _22OH7-x-LK	ZALUH6-x-LK	_ _22GH4-x-LK _ _22AH4-x-LK	_ _IUH3-x ZAMUH6-x-LK

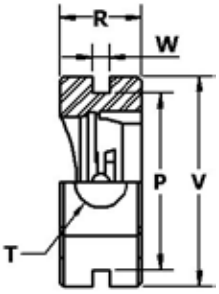
Narrow Slot Take-Up Housing

Polymer or Stainless “5” Series Narrow Slot Take-Up Housing

Sample p/n 5AE

Sample p/n 5GE

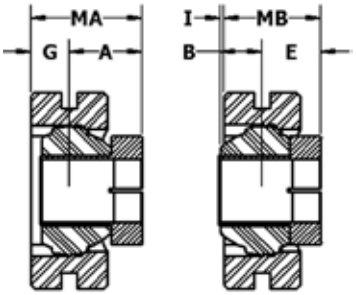




x = Shaft Size			mm∅ **Inch∅** Ring **Group**	**Stainless (SS)**		**Polymer (KG)**		P	V	Z	Y∅	N	W	R	U	T	DoubleLock® Sleeve	
				Housing p/n	Q	Housing p/n	Q										F	K
mm	in	16ths			in mm		in mm	in mm	in mm	in mm	Roll Pin	in mm	in	in mm	in mm	Thread Size	in mm	in mm
12			40															
15	1/2	8	**1.575**	5AA	2.69	--	--	2	2.50	1.69	$^1/_4$ x $^7/_8$	.31	1/4	.88	.63	$^1/_2$ - 13	.44	1.35
17	9/16	9	203		68.3			50.8	63.5	42.9		7.9		22.2	15.9		11.2	34.3
	5/8	10	**A**															
	11/16	11																
12	**1/2**	**8**																
	9/16	9	47															
15	**5/8**	**10**	**1.850**	5AB	3.44	5GB	3.44	2.63	3.13	2.19	$^5/_{16}$ x $1^1/_4$	.44	1/4	1.25	.88	$^3/_4$ - 10	.50	1.63
17	11/16	11	204		87.3		87.3	66.7	79.4	55.5		11.1		31.8	22.2		12.7	41
	3/4	**12**	**B**															
20																		
	3/4	12	52															
	13/16	13	**2.047**	5AC	3.56	5GC	3.56	2.63	3.13	2.19	$^5/_{16}$ x $1^1/_4$	.44	1/47	1.25	.88	$^3/_4$ - 10	.50	1.75
	7/8	14	205		90.5		90.5	66.7	79.4	55.5		11.1		31.8	22.2		12.7	44
	15/16	15	**C**															
25	**1**	**16**																
	1	16	62															
	1-1/16	17	**2.441**	5AD	4.31	5GD	4.31	3.50	4.13	2.69	$^5/_{16}$ x $1^1/_4$	.50	1/4	1.25	1	$^3/_4$ - 10	.50	2.0
30	1-1/8	18	206		109.5		109.5	88.9	104.8	68.3		12.7		31.8	25.4		12.7	50
	1-3/16	**19**	**D**															
	1-1/4	20																
	1-3/16	19	72															
	1-1/4	**20**	**2.835**	5AE	4.50	5GE	4.50	3.50	4.13	2.69	$^5/_{16}$ x $1^1/_4$	.50	1/4	1.25	1	$^3/_4$ - 10	.50	2.25
35	1-5/16	21	207		114.3		114.3	88.9	104.8	68.3		12.7		31.8	25.4		12.7	57
	1-3/8	22	**E**															
	1-7/16	23																
	1-7/16	23	80															
	1-1/2	**24**	**3.150**	5AF	5.38	5GF	5.38	4	4.75	3.25	$^3/_8$ x $1^1/_2$	.66	5/16	1.25	1.12	$^7/_8$ - 9	.50	2.38
40	1-9/16	25	208		136.5		136.5	101.6	120.7	82.6		16.7		31.8	29.4		12.7	60
	1-5/8	26	**F**															
	1-1/2	24	85															
	1-5/8	**26**	**3.346**	5AG	5.44	5GG	5.38	4	4.75	3.25	$^3/_8$ x $1^1/_2$	.66	5/16	1.25	1.16	$^7/_8$ - 9	.63	2.75
45	1-11/16	27	209		138.1		136.5	101.6	120.7	82.6		16.7		31.8	29.4		15.9	70
	1-3/4	**28**	**G**															
	1-11/16	27																
	1-3/4	28	90															
	1-13/16	29	**3.543**	5AH	5.5	5GH	5.5	4	4.75	3.25	$^3/_8$ x $1^1/_2$	.66	5/16	1.25	1.16	$^7/_8$ - 9	.63	3.0
	1-7/8	30	210		139.7		139.7	101.6	120.7	82.6		16.7		31.8	29.4		15.9	76
50	**1-15/16**	**31**	**H**															
	2	**32**																
	1-15/16	31																
	2	32	100															
	2-1/16	33	**3.937**	5AI	6.13	N/A	6.13	4.44	5.38	3.63	$^7/_{16}$ x $1^3/_4$	.69	5/16	1.75	1.28	1 - 8	.63	3.25
	2-1/8	34	211		155.6		155.6	112.7	136.5	92.1		17.5		44.5	32.5		15.9	83
55	**2-3/16**	**35**	**I**															
	2-1/4	36																
	2-3/16	35	110															
	2-1/4	**36**	**4.331**	5AJ	6.69	N/A	6.69	4.94	5.75	3.88	$^7/_{16}$ x $1^3/_4$	.69	5/16	1.75	1.28	1 - 8	.63	3.4
60	2-5/16	37	212		169.9		169.9	125.4	146.1	98.4		17.5		44.5	32.5		15.9	86
	2-3/8	38	**J**															
	2-7/16	**39**																
	2-7/16	39	125															
	2-1/2	40	**4.921**	5AK	7.38	5GK	7.38	5.50	6.38	4.94	$^1/_2$ x $1^7/_8$	.75	3/8	1.88	1.50	$1^1/_4$ - 7	.75	3.8
70	2-5/8	42	214		187.3		187.3	139.7	161.9	109.5		19.1		47.6	38.1		19.1	96
	2-11/16	43	**K**															
	2-3/4	**44**																
	2-11/16	43	130															
	2-3/4	44	**5.118**	5AL	7.69	5GL	7.69	5.88	6.75	4.44	$^1/_2$ x $1^7/_8$	.75	3/8	1.88	1.50	$1^1/_4$ - 7	.75	4.13
	2-13/16	45	215		195.3		195.3	149.2	171.5	112.7		19.1		47.6	38.1		19.1	105
	2-7/8	46	**L**															
75	**2-15/16**	**47**																
	3	**48**																

Poly-Round® Solution® Narrow Slot Take-Up

"5" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B**

Take-up frame sold separately
(Section M)

Sample p/n
NA5AC7-16-LK

Sample p/n
QF5GC7-1 1/4-LK

Poly-Sphere® & Poly-Round® weigh same

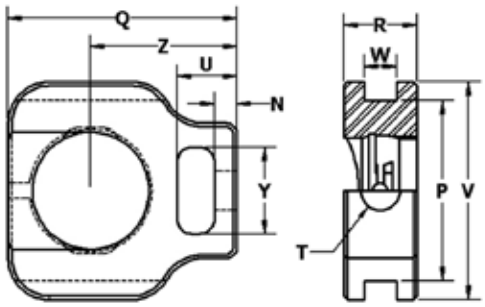
A	E	G	B	I	MA-KG MA-SS	MB-KG MB-SS	Standard Poly-Round® Solution® p/n					Poly-Sphere® p/n	
							Poly-Round® Insert	Polymer (KG)		Stainless (SS)			Poly-Sphere® Insert
in mm	in mm	in mm	in mm	in mm	in mm	in mm	KleanCap™ DoubleLock®	Assembly	Wt lbs	Assembly	Wt lbs	KG Assembly SS Assembly	KleanCap™ DoubleLock®
1.04 26.4	.75 19.1	.44 11.1	.60 15.2	.16 4.0	1.54 39.1 1.48 37.5	1.25 31.7 1.19 30.2	_ _IUAO-x ZALUA6-x-LK	--	--	_ _5AA7-x-LK	1	_ _5OA7-x-LK	_ _OUAO-x ZALUA6-x-LK
1.10 27.9	.94 23.8	.63 16.0	.60 15.2	0	1.79 45.4 1.71 43.4	1.63 41.4 1.55 39.3	_ _IUBO-x ZALUB6-x-LK	_ _5GB7-x-LK	.6	_ _5AB7-x-LK	2.4	_ _5GB-O7-x-LK _ _5OB7-x-LK	_ _OUBO-x ZALUB6-x-LK
1.16 29.5	.94 23.8	.63 16.0	.66 16.8	.03 .7	1.85 46.9 1.77 44.9	1.63 41.4 1.55 39.3	_ _IUCO-x ZALUC6-x-LK	_ _5GC7-x-LK	.6	_ _5AC7-x-LK	2.2	_ _5GC-O7-x-LK _ _5OC7-x-LK	_ _OUCO-x ZALUC6-x-LK
1.30 32.9	.99 25.1	.63 16.0	.80 20.2	.17 4.3	1.98 50.2 1.91 48.5	1.68 42.6 1.6 40.6	_ _IUDO-x ZALUD6-x-LK	_ _5GD7-x-LK	1.0	_ _5AD7-x-LK	3.6	_ _5GD-O7-x-LK _ _5OD7-x-LK	_ _OUDO-x ZALUD6-x-LK
1.47 37.3	1 25.4	.63 16.0	.97 24.6	.34 8.6	2.16 54.8 2.08 52.8	1.69 42.9 1.61 40.8	_ _IUEO-x ZALUE6-x-LK	_ _5GE7-x-LK	1.6	_ _5AE7-x-LK	3.8	_ _5GE-O7-x-LK _ _5OE7-x-LK	_ _OUEO-x ZALUE6-x-LK
1.51 38.3	1.09 27.8	.63 16.0	1.01 25.6	.38 9.7	2.32 58.9 2.24 56.8	1.91 48.5 1.83 46.4	_ _IUFO-x ZALUF6-x-LK	_ _5GF7-x-LK	1.8	_ _5AF7-x-LK	6.2	_ _5GF-O7-x-LK _ _5OF7-x-LK	_ _OUFO-x ZALUF6-x-LK
1.69 43	1.22 31	.63 16.0	1.07 27.2	.44 11.2	2.51 63.7 2.43 61.7	2.03 51.5 1.95 49.5	_ _IUGO-x ZALUG6-x-LK	_ _5GG7-x-LK	2.0	_ _5AG7-x-LK	6.4	_ _5GG-O7-x-LK _ _5OG7-x-LK	_ _OUGO-x ZALUG6-x-LK
1.69 43	1.22 31	.63 16.0	1.07 27.2	.44 11.2	2.51 63.7 2.43 61.7	2.03 51.5 1.95 49.5	_ _IUHO-x ZALUH6-x-LK	_ _5GH7-x-LK	2.0	_ _5AH7-x-LK	5.8	_ _5GH-O7-x-LK _ _5OH7-x-LK	_ _OUHO-x ZALUH6-x-LK
1.85 47	1.25 31.8	.88 22.3	1.22 31.1	.78 19.8	2.73 69.3 2.59 65.7	2.13 54.1 1.99 50.5	_ _IUIO-x ZALUI6-x-LK	--	--	_ _5AI7-x-LK	9.2	_ _5OI7-x-LK	_ _OUIO-x ZALUI6-x-LK
2.06 52.4	1.28 32.5	.88 22.3	1.44 36.5	.56 14.2	2.94 74.6 2.92 74.1	2.16 54.8 2.17 55.1	_ _IUJO-x ZALUJ6-x-LK	--	--	_ _5AJ7-x-LK	10	_ _5OJ7-x-LK	_ _OUJO-x ZALUJ6-x-LK
2.10 53.3	1.50 38.1	0.94 23.9	1.35 34.3	.41 10.4	3.1 78.7 2.96 75.1	2.5 63.5 2.36 59.9	_ _IUKO-x ZALUK6-x-LK	_ _5GK7-x-LK	5.8	_ _5AK7-x-LK	12.5	_ _5GK-O7-x-LK _ _5OK7-x-LK	_ _OUKO-x ZALUK6-x-LK
2.04 51.8	1.56 39.7	0.94 23.9	1.29 32.7	.76 19.3	3.04 77.2 2.98 75.6	2.56 65.0 2.5 63.5	_ _IULO-x ZALUL6-x-LK	_ _5GL7-x-LK	4.8	_ _5AL7-x-LK	12.6	_ _5GL-O7-x-LK _ _5OL7-x-LK	_ _OULO-x ZALUL6-x-LK

Wide Slot Take-Up

Polymer or Stainless “7” Series Wide Slot Take-Up Housing

Sample p/n 7AE

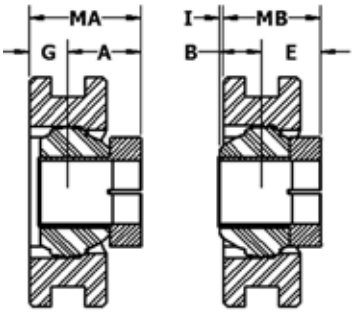
Sample p/n 7GC



x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	**Stainless (SS)**		**Polymer (KG)**		P	V	Z	Y		N	W	U	R	T	DoubleLock® Sleeve	
				Housing p/n	Q	Housing p/n	Q											F	K
mm	in	16ths			in mm		in mm	in mm	in mm	in mm	Nut Size	in mm	in mm	in mm	in mm	in mm	Thread Size	in mm	in mm
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	40 **1.575** 203 **A**	7AG	3..13 79.5	--	--	2.5 63.5	3 76.2	2 50.8	1/2 - 13	1.25 31.8	.31 7.9	.41 10.3	.81 20.6	1 25.4	1/2 - 13	.44 11.2	1.49 38
12 15 17 20	**1/2** 9/16 **5/8** 11/16 **3/4**	**8** 9 **10** 11 **12**	47 **1.850** 204 **B**	7AB	3.69 93.7	7GB	3.69 93.7	3 76.2	3.63 92.1	2.38 60.3	5/8 - 11	1.44 36.5	.44 11.1	.53 13.5	1.06 27.0	1.38 34.9	5/8 - 11	.50 12.7	1.63 41
25	3/4 13/16 7/8 15/16 **1**	12 13 14 15 **16**	52 **2.047** 205 **C**	7AC	3.81 96.8	7GC	3.81 96.8	3 76.2	3.63 92.1	2.44 61.9	5/8 - 11	1.44 36.5	.44 11.1	.53 13..5	1.06 27.0	1.38 34.9	5/8 - 11	.50 12.7	1.75 44
30	1 1-1/16 1-1/8 **1-3/16** 1-1/4	16 17 18 **19** 20	62 **2.441** 206 **D**	7AD	4.38 111.1	7GD	4.38 111.1	3.5 88.9	4.13 104.8	2.75 69.9	3/4 - 10	1.63 41.3	.38 9.5	.53 13.5	1.16 29.4	1.63 41.3	3/4 - 10	.50 12.7	2.0 50
35	1-3/16 **1-1/4** 1-5/16 1-3/8 1-7/16	19 **20** 21 22 23	72 **2.835** 207 **E**	7AE	4.81 122.2	7GE	4.81 122.2	3.5 88.9	4.13 104.8	3 76.2	3/4 - 10	1.63 41.3	.38 9.5	.53 13.5	1.16 29.4	1.63 41.3	3/4 - 10	.50 12.7	2.25 57
40	1-7/16 **1-1/2** 1-9/16 1-5/8	23 **24** 25 26	80 **3.150** 208 **F**	7AF	5.5 139.7	7GF	5.5 139.7	4 101.6	4.5 114.3	3.44 87.3	1 - 8	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8	.50 12.7	2.38 60
45	1-1/2 **1-5/8** 1-11/16 **1-3/4**	24 **26** 27 **28**	85 **3.346** 209 **G**	7AG	5.69 144.5	7GG	5.69 144.5	4 101.6	4.63 117.5	3.5 88.9	1 - 8	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8	.63 15.9	2.75 70
50	1-11/16 1-3/4 1-13/16 1-7/8 **1-15/16** **2**	27 28 29 30 **31** **32**	90 **3.543** 210 **H**	7AH	5.81 147.6	7GH	5.81 147.6	4 101.6	4.75 120.7	3.56 90.5	1	1.94 49.2	.56 14.3	.69 17.5	1.5 38.1	1.94 49.2	1 - 8	.63 15.9	3.0 76
55	1-15/16 2 2-1/16 2-1/8 **2-3/16** 2-1/4	31 32 33 34 **35** 36	100 **3.937** 211 **I**	7AI	7.5 190.5	7GI	7.5 190.5	5.13 130.2	5.75 149.2	4.69 119.1	1 1/4 - 7	2.5 63.5	.72 18.3	1.06 27.0	1.97 50.0	2.5 63.5	1 1/4 - 7	.63 15.9	3.25 83
60	2-3/16 **2-1/4** 2-5/16 2-3/8 **2-7/16**	35 **36** 37 38 **39**	110 **4.331** 212 **J**	7AJ	7.5 190.5	7GJ	7.5 190.5	5.13 130.2	5.88 149.2	4.69 119.1	1 1/4 - 7	2.5 63.5	.72 18.3	1.06 27.0	1.97 50.0	2.5 63.5	1 1/4 - 7	.63 15.9	3.4 86
70	2-7/16 2-1/2 2-5/8 2-11/16 **2-3/4**	39 40 42 43 **44**	125 **4.921** 214 **K**	7AK	8.88 225.4	--	--	5.94 150.8	6.69 169.9	5.38 136.5	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6	.75 19.1	3.8 96
75	2-11/16 2-3/4 2-13/16 2-7/8 **2-15/16** **3**	43 44 45 46 **47** **48**	130 **5.118** 215 **L**	7AL	9.13 231.8	7GL	9.13 231.8	5.94 150.8	6.69 169.9	5.5 139.7	1 1/2 - 6	2.88 73.0	.81 20.6	1.06 27.0	2.31 58.7	2.75 69.9	1 1/2 - 6	.75 19.1	4.10 104.1

Poly-Round® Solution® Wide Slot Take-Up

"7" Series Housing with Poly-Round® Spherical Bearing Insert



View A **View B**

Take-up frame sold separately (Section M)

Sample p/n NA7AE7-23-LK

Sample p/n NA7GC7-16-LK

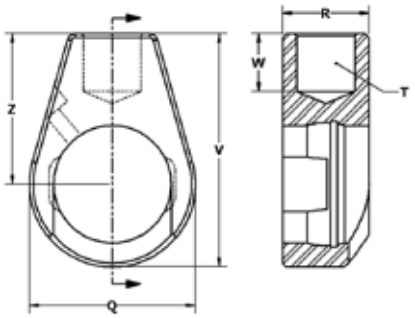
Poly-Sphere® & Poly-Round® weigh same

G	B	A	E	I	MA_{-KG} / MA_{-SS}	MB_{-KG} / MB_{-SS}	Standard Poly-Round® Solution® p/n: Poly-Round® Insert KleanCap™ DoubleLock®	Polymer (KG) Assembly	Polymer (KG) Wt lbs	Stainless (SS) Assembly	Stainless (SS) Wt lbs	Poly-Sphere® p/n: KG Assembly SS Assembly	Poly-Sphere® Insert KleanCap™ DoubleLock®
in mm	in mm	in mm	in mm	in mm	in mm	in mm							
.5 12.7	.60 15.2	1.04 26.4	.75 19.1	.1 2.5	1.6 40.6 1.53 38.8	1.31 33.2 1.24 31.4	_ _IUAO-x ZALUA6-x-LK	--	--	_ _7AA7-x-LK	1.6	_ _7OA7-x-LK	_ _OUAO-x ZALUA6-x-LK
.69 17.5	.60 15.2	1.10 27.9	.94 23.8	0	1.79 45.4 1.71 43.4	1.63 41.4 1.55 39.3	_ _IUBO-x ZALUB6-x-LK	_ _7GB7-x-LK	.8	_ _7AB7-x-LK	3.0	_ _7GB-O7-x-LK _ _7OB7-x-LK	_ _OUBO-x ZALUB6-x-LK
.69 17.5	.66 16.8	1.16 29.5	.94 23.8	0	1.85 46.9 1.77 44.9	1.63 41.4 1.55 39.3	_ _IUCO-x ZALUC6-x-LK	_ _7GC7-x-LK	.8	_ _7AC7-x-LK	2.8	_ _7GC-O7-x-LK _ _7OC7-x-LK	_ _OUCO-x ZALUC6-x-LK
.69 17.5	.80 20.2	1.30 32.9	.99 25.1	.11 2.8	2.11 53.5 2.03 51.5	1.8 45.7 1.73 43.9	_ _IUDO-x ZALUD6-x-LK	_ _7GD7-x-LK	1.2	_ _7AD7-x-LK	4.2	_ _7GD-O7-x-LK _ _7OD7-x-LK	_ _OUDO-x ZALUD6-x-LK
.69 17.5	.97 24.6	1.47 37.3	1 25.4	.31 7.9	2.28 57.9 2.21 56.1	1.81 45.9 1.74 44.1	_ _IUEO-x ZALUE6-x-LK	_ _7GE7-x-LK	1.2	_ _7AE7-x-LK	4.4	_ _7GE-O7-x-LK _ _7OE7-x-LK	_ _OUEO-x ZALUE6-x-LK
.97 24.6	1.01 25.6	1.51 38.3	1.09 27.8	.04 1.0	2.44 61.9 2.44 61.9	2.03 51.5 2.03 51.5	_ _IUFO-x ZALUF6-x-LK	_ _7GF7-x-LK	2	_ _7AF7-x-LK	7.3	_ _7GF-O7-x-LK _ _7OF7-x-LK	_ _OUFO-x ZALUF6-x-LK
.97 24.6	1.07 27.2	1.69 43	1.22 31	.10 2.5	2.63 66.8 2.63 66.8	2.16 54.8 2.16 54.8	_ _IUGO-x ZALUG6-x-LK	_ _7GG7-x-LK	2.6	_ _7AG7-x-LK	7.6	_ _7GG-O7-x-LK _ _7OG7-x-LK	_ _OUGO-x ZALUG6-x-LK
.97 24.6	1.07 27.2	1.69 43	1.22 31	.10 2.5	2.63 66.8 2.63 66.8	2.16 54.8 2.16 54.8	_ _IUHO-x ZALUH6-x-LK	_ _7GH7-x-LK	2.6	_ _7AH7-x-LK	8.0	_ _7GH-O7-x-LK _ _7OH7-x-LK	_ _OUHO-x ZALUH6-x-LK
1.25 31.8	1.22 31.1	1.85 47	1.25 31.8	0	3.1 78.7 2.84 72.1	2.5 63.5 2.24 56.8	_ _IUIO-x ZALUI6-x-LK	_ _7GI7-x-LK	4.6	_ _7AI7-x-LK	12.8	_ _7GI-O7-x-LK _ _7OI7-x-LK	_ _OUIO-x ZALUI6-x-LK
1.25 31.8	1.44 36.5	2.06 52.4	1.28 32.5	.19 4.8	3.31 84.0 3.05 77.4	2.53 64.2 2.27 57.6	_ _IUJO-x ZALUJ6-x-LK	_ _7GJ7-x-LK	4.6	_ _7AJ7-x-LK	13.4	_ _7GJ-O7-x-LK _ _7OJ7-x-LK	_ _OUJO-x ZALUJ6-x-LK
1.38 35.0	1.35 34.3	2.10 53.3	1.50 38.1	0	3.48 88.3 3.09 78.4	2.88 73.1 2.49 63.2	_ _IUKO-x ZALUK6-x-LK	_ _7GK7-x-LK	6.0	_ _7AK7-x-LK	18.0	_ _7OK7-x-LK	_ _OUKO-x ZALUK6-x-LK
1.38 35.0	1.29 32.7	2.04 51.8	1.56 39.7	0	3.41 86.6 3.02 76.7	2.94 74.6 2.55 64.7	_ _IULO-x ZALUL6-x-LK	_ _7GL7-x-LK	6.4	_ _7AL7-x-LK	18.5	_ _7GL-O7-x-LK _ _7OL7-x-LK	_ _OULO-x ZALUL6-x-LK

Hanger

Stainless “8” Series Housing

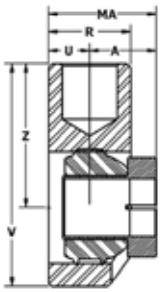
Sample p/n 8AE-01



x = Shaft Size			mm∅ **Inch∅** Ring **Group**	T	**Stainless (SS) Housing p/n**	Z	V	Q	R	W	DoubleLock® Sleeve	
											F	K
mm	in	16ths		Thread		in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	$^1/_2$ - 14 NPSM	8AA	1.88	2..94	2.13	1.19	.63	0.44	1.49
15	9/16	9	**1.575**	$^5/_8$ - 11 UNC	8AA-01	47.6	74.6	54.0	30.2	15.9	11.2	38
	5/8	10	203	M12 x 1.75	8AA-03B							
17	11/16	11	**A**	$^5/_8$ - 18	8AA-01A							
12	**1/2**	**8**	47	$^3/_4$ - 14 NPSM	8AB	2.5	3.75	2.5	1.44	.75	.50	1.63
	9/16	9	**1.850**	$^5/_8$ - 11 UNC	8AB-03	63.5	95.2	63.5	36.5	19.1	12.7	41
15	**5/8**	**10**	204	M16-2	8AB-03B							
17	11/16	11	**B**									
20	**3/4**	**12**										
	3/4	12	52	$^3/_4$ - 14 NPSM	8AC	2.5	3.88	2.75	1.44	.75	.50	1.75
	13/16	13	**2.047**			63.5	98.4	69.9	36.5	19.1	12.7	44
	7/8	14	205									
25	15/16	15	**C**									
	1	**16**										
	1	16	62	$^3/_4$ - 14 NPSM	8AD	2.5	4.06	3.13	1.44	.75	.50	2.0
	1-1/16	17	**2.441**	$^5/_8$ - 11 UNC	8AD-02	63.5	103.2	79.4	36.5	19.1	12.7	50
	1-1/8	18	206	M16-2	8AD-03							
30	**1-3/16**	**19**	**D**									
	1-1/4	20										
	1-3/16	19	72	$^3/_4$ - 14 NPSM	8AE	2.75	4.56	3.63	1.44	.75	.50	2.25
	1-1/4	**20**	**2.835**	1 - 8 UNC	8AE-01	69.9	115.9	92.1	36.5	19.1	12.7	57
	1-5/16	21	207	$^5/_8$ - 11 NPSM	8AE-02							
35	1-3/8	22	**E**									
	1-7/16	23										
	1-7/16	23	80	$^3/_4$ - 14 NPSM	8AF	2.88	4.75	3.75	1.44	.75	.50	2.38
	1-1/2	**24**	**3.150**	$^3/_4$ - 10 NPSM	8AF-01	73.0	120.7	95.2	36.5	19.1	12.7	60
	1-9/16	25	208									
40	1-5/8	26	**F**									
	1-1/2	24	85	1 - $11^1/_2$ NPSM	8AG	3.25	5.38	4.25	1.88	.81	.63	2.75
	1-5/8	**26**	**3.346**			82.6	136.5	108.0	47.6	20.6	15.9	70
	1-11/16	27	209									
45	**1-3/4**	**28**	**G**									
	1-11/16	27	90	1 - $11^1/_4$ NPSM	8AH	3.25	5.5	4.5	1.88	.81	.63	3.0
	1-3/4	28	**3.543**	1 - 8 UNC	8AH-01	82.6	139.7	114.3	47.6	20.6	15.9	76
	1-13/16	29	210									
	1-7/8	30	**H**									
50	**1-15/16**	**31**										
	2	**32**										
	1-15/16	31	100	$1^1/_4$ - $11^1/_4$ NPSM	8AI	3.44	5.94	5	2	1	.63	3.25
	2	32	**3.937**	$1^1/_4$ - 7 UNC	8AI-01	87.3	150.8	127.0	50.8	25.4	15.9	83
	2-1/16	33	211									
	2-1/8	34	**I**									
55	**2-3/16**	**35**										
	2-1/4	36										
	2-3/16	35	110	$1^1/_4$-$11^1/_2$ NPSM	8AJ	4	6.81	5.63	2	1.13	.63	3.4
	2-1/4	**36**	**4.331**	$1\ ^1/_2$ - 6 UNC	8AJ-01	101.6	173.0	142.9	50.8	28.6	15.9	86
	2-5/16	37	212									
60	2-3/8	38	**J**									
	2-7/16	**39**										
	2-7/16	39	125	$1^1/_2$ - $11^1/_2$ NPSM	8AK	4.63	7.88	6.5	2	1.25	.75	3.8
	2-1/2	40	**4.921**			117.5	200.0	165.1	50.8	31.8	19.1	96
	2-5/8	42	214									
70	2-11/16	43	**K**									
	2-3/4	**44**										
	2-11/16	43	130	$1^1/_2$ - 11 $^1/_2$ NPSM	8AL	4.63	7.88	6.5	2	1.25	.75	4.13
	2-3/4	44	**5.118**			117.5	200.0	165.1	50.8	31.8	19.1	105
	2-13/16	45	215									
	2-7/8	46	**L**									
75	**2-15/16**	**47**										
	3	**48**										
	2-3/4	44	140	$1^1/_2$ - 11 $^1/_2$ NPSM	8AM	4.88	8.31	6.88	2.22	1.25	.75	4.1
	2-7/8	46	**5.511**			123.9	211.1	174.7	56.4	31.8	19.1	104.1
	2-15/16	47	216									
80	3	48	**M**									
	3-1/8	50										
	3-3/16	51										

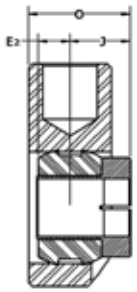
Poly-Round® Solution® Hanger

"8" Series Housing with Poly-Round® Spherical Bearing Insert



View A

View B



Poly-Sphere®

Sample p/n NA8AE7-20-LK

Poly-Sphere® & Poly-Round® weigh same

U	B	A	E	E_2	J	MA	MB	O	Poly-Round® in Stainless			Poly-Sphere® in Stainless	
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	KG SS	Poly-Round® Insert KleanCap™ DoubleLock®	Assembly p/n	Wt lbs	Assembly p/n	Poly-Sphere® Insert KleanCap™ DoubleLock®
.59 15.0	.60 15.2	1.04 26.4	.75 19.1	.46 11.6	.96 24.3	1.63 41.5	1.34 34.1	1.49 37.8	_ _IUAO-x ZALUA6-x-LK	_ _8AA7-x-LK _ _8AA-017-x-LK	1.2	_ _8OA7-x-LK	_ _OUAO-x ZALUA6-x-LK
.72 18.3	.60 15.2	1.10 27.9	.94 23.8	.52 13.2	1.02 25.9	1.81 46.2	1.65 42.0	1.73 44.1	_ _IUBO-x ZALUB6-x-LK	_ _8AB7-x-LK _ _8AB-037-x-LK	2	_ _8OB7-x-LK	_ _OUBO-x ZALUB6-x-LK
.72 18.3	.66 16.8	1.16 29.5	.94 23.8	.55 13.9	1.05 26.7	1.88 47.8	1.65 42.0	1.76 44.9	_ _IUCO-x ZALUC6-x-LK	_ _8AC7-x-LK	2	_ _8OC7-x-LK	_ _OUCO-x ZALUC6-x-LK
.72 18.3	.80 20.2	1.30 32.9	.99 25.1	.64 16.3	1.14 29	2.01 51.2	1.70 43.4	1.86 47.3	_ _IUDO-x ZALUD6-x-LK	_ _8AD7-x-LK	2.2	_ _8OD7-x-LK	_ _OUDO-x ZALUD6-x-LK
.72 18.3	.97 24.6	1.47 37.3	1 25.4	.74 18.1	1.26 32	2.18 55.6	1.71 43.6	1.95 49.6	_ _IUEO-x ZALUE6-x-LK	_ _8AE7-x-LK	2.8	_ _8OE7-x-LK	_ _OUEO-x ZALUE6-x-LK
.72 18.3	1.01 25.6	1.51 38.3	1.09 27.8	.80 20.3	1.30 33	2.22 56.5	1.81 46.0	2.01 51.2	_ _IUFO-x ZALUF6-x-LK	_ _8AF7-x-LK	2.8	_ _8OF7-x-LK	_ _OUFO-x ZALUF6-x-LK
.94 23.9	1.07 27.2	1.69 43	1.22 31	.80 21.9	1.46 37	2.63 66.8	2.15 54.7	2.39 60.8	_ _IUGO-x ZALUG6-x-LK	_ _8AG7-x-LK	5.6	_ _8OG7-x-LK	_ _OUGO-x ZALUG6-x-LK
.94 23.9	1.07 27.2	1.69 43	1.22 31	.83 21.1	1.48 37.6	2.63 66.8	2.15 54.7	2.39 60.8	_ _IUHO-x ZALUH6-x-LK	_ _8AH7-x-LK	5.6	_ _8OH7-x-LK	_ _OUHO-x ZALUH6-x-LK
.99 25.1	1.22 31.1	1.85 47	1.25 31.8	.93 23.6	1.58 40.1	2.83 72.0	2.23 56.7	2.53 64.3	_ _IUIO-x ZALUI6-x-LK	_ _8AI7-x-LK	7.4	_ _8OI7-x-LK	_ _OUIO-x ZALUI6-x-LK
.99 25.1	1.44 36.5	2.06 52.4	1.28 32.5	1.05 26.7	1.70 43.2	3.04 77.4	2.26 57.5	2.65 67.4	_ _IUJO-x ZALUJ6-x-LK	_ _8AJ7-x-LK	8.1	_ _8OJ7-x-LK	_ _OUJO-x ZALUJ6-x-LK
1.23 31.2	1.35 34.3	2.10 53.3	1.50 38.1	1.05 26.7	1.83 46.5	3.33 84.7	2.73 69.4	3.03 77.0	_ _IUKO-x ZALUK6-x-LK	_ _8AK7-x-LK	10.9	_ _8OK7-x-LK	_ _OUKO-x ZALUK6-x-LK
1.23 31.2	1.29 32.7	2.04 51.8	1.56 39.7	1.05 26.7	1.83 46.5	3.27 83.1	2.79 71.0	3.03 77.0	_ _IULO-x ZALUL6-x-LK	_ _8AL7-x-LK	10.6	_ _8OL7-x-LK	_ _OULO-x ZALUL6-x-LK
1.11 28.0	1.51 38.4	2.26 57.4	1.59 40.4	1.18 29.9	1.93 49.0	3.37 85.5	2.7 68.5	3.03 77.0	_ _IUMO-x ZALUM6-x-LK	_ _8AM7-x-LK	15.5	_ _8OM7-x-LK	_ _OUMO-x ZALUM6-x-LK

Poly-Round® Solution® is the answer for operations where greased bearings are problematic

- Extreme Temperatures
- Moisture
- Corrosive/Damaging Environments
- Accessibility Issues
- Contamination Concerns
- Submersion

HARD-TO-MAINTAIN

Applications

- Bearings installed high above process floor, submerged in waste water (such as offal auger), out of doors, etc.

Selection

- NA or QF Poly-Round® insert in polymer or stainless housing
- Ex: NA4AG-SPLIT-7T-28-LK

Benefits

- Greaseless bearing eliminates issues of maintaining grease
- Consistent operation without routine inspections and maintenance

WATER TREATMENT

Application

- Flocculators, dewatering conveyors and drums, skimmers, sludge removal

Selection

- PA Poly-Round® in polymer housing up to 150°F
- Ex: PA1GL7-3-LK
- NA Poly-Round® in stainless up to 200°F

Benefits

- Grease-less Poly-Round® operates wet or dry
- Avoid issues of slow shaft speed being inadequate to properly lubricate a ball bearing
- High chemical resistance with long life and dependable operation

FRYERS & COOKERS

Applications

- Paddle-and-belt conveyor through vat at slow to moderate speed
- Bearings submerged in (or exposed to) hot water, hot oil, steam, chemicals
- Capable of temperature up to 500°F

Selection

- FA Poly-Round® in stainless housing
- Ex: FA6AB-SP7-3/4

Benefits

- Direct food contact and extreme chemical resistance
- 12–18 months service with zero maintenance
- Eliminates possible metal contamination without balls in bearings

FREEZERS

Applications

- Nitrogen tunnel and spiral freezers
- Ambient temperature from zero to cryogenic

Selection

- EDT Freezer bearing is specially designed Poly-Round® that won't lock up around shaft.
- Ask about PA cut-style or QF with -xB I.D. for below standard temperatures
- Ex: PA2AE7-1-1/4BC-LK or QF2AF4-1-1/2B-LK

Benefits

- Bearing and housing materials unaffected by condensation or ice accumulation
- Eliminate grease that congeals at low temperatures
- Predictable performance allows scheduled replacement

MODULAR BELTS

Applications

- Sprocket drive controls tension and moderates speed in processing, transfer- or packaging / loading conveyors and metal detectors, in-feed or discharge conveyors, batter, breader

Selection

- NA or QF Poly-Round® in polymer or stainless steel housing for temperatures to 200°F
- Ex: NA3GE7-1-1/4-LK

Benefits

- Unaffected by wash-down
- No lubrication, no process contamination
- 12–24 months with NO maintenance, then flip the insert and get additional life

OVENS

Applications

- Continuous oven, operating dry or steam
- Operating at temperatures from 200° to 500°F; may be subject to wash down and/ or industrial chemicals

Selection

- EDT oven bearing is specially dimensioned QF Poly-Round®: available in stainless steel or metal housings
- High Temp Expansion (-HTE) and High Temp Fixed (-HTV) style Poly-Round® bearings
- Ex: QF1AC7-1-LCHTV

Benefits

- No grease to melt out or require frequent re-lube
- No rust from wash down with non-corrosive QF and stainless steel components
- Locking sleeve eliminates shaft damage caused by expansion

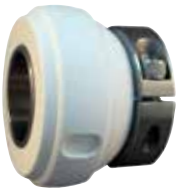
POLY-ROUND®
SPHERICAL BEARINGS

IDEAL FOR **HACCP** PROGRAMS

Standard Poly-Round®

Narrow Poly-Round®

Split style Poly-Round®



FA material:
Direct food contact and
high temperature capable

Poly-Sphere®

Solid Polymer Self-aligning Bearing Inserts

Greaseless, one-piece plane bearings offer reliable operation in locations where ball bearings with lubrication are a problem.

- Greaseless bearing eliminates issues of lubrication
- Dimensionally interchange with all industry-standard self-aligning insert bearings
- Variety of materials for optimum performance in different applications
- USDA/NSF accepted
- Available for all inch and metric sizes
- Non-contaminating and corrosion-resistant
- Styles available for high and low temperatures

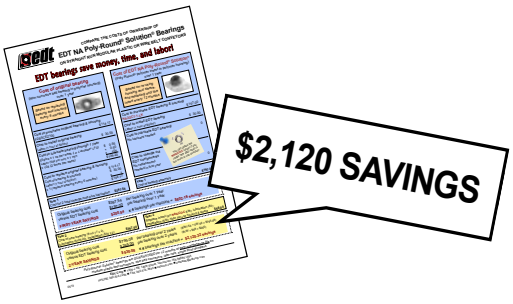
EDT *GUARANTEES* Poly-Round® bearing with sleeve to operate for 12 months of zero-maintenance wear on modular plastic- and wire-belt conveyors (wet or dry applications).

Features of Poly-Round® spherical OD ('self-aligning') bearings

- No grease – eliminate problems associated with grease: viscosity, contamination, expense, labor
- Entire polymer unit is bearing (translates to longer usable life)
- Variety of polymer materials offer various properties; choose the optimum for the application
- Retrofit insert ball bearings (check operating conditions)
- Predictable wear allows planned maintenance rather than emergency replacement
- Ideal for HACCP and other maintenance programs: bearing construction is completely sanitary

Compare the
Cost of Ownership of a
Poly-Round® bearing
versus other alternatives

(See page C-10)



Double the life of Poly-Round® plane bearings by rotating the bearing

Usable life of EDT plane bearings can be directly correlated to the thickness of the polymer.

When the bearing is worn too far in one direction for proper operation... the insert can be flipped 180º

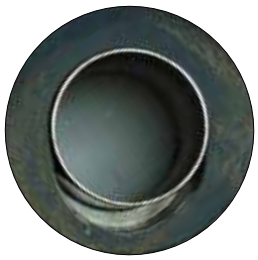


Fig 1

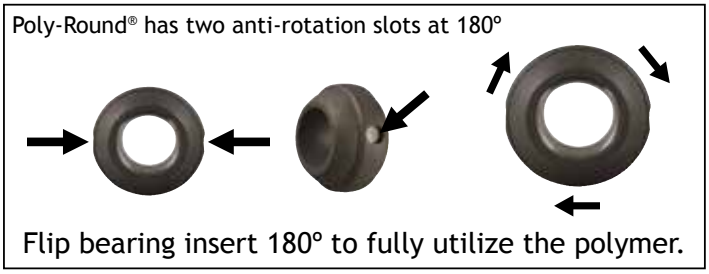


Fig 2

Poly-Round® bearings are ideal for tough applications where ball bearings don't perform as reliably as desired, such as:

- Sanitary – HACCP
- High or low temperature
- Wash-down or steam
- Exposure to processing liquids, chemicals
- Incomplete rotation or oscillating motion
- Submerged in liquids
- Locations difficult to regularly maintain
- Exposed to bulk solid contaminants

Applications where plane bearings are ***not*** recommended:

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (unsupported shaft mounted gear reducers)
- Trunnion applications

Applications where plane bearings are not suitable require ball bearings (see EDT catalog section K).

Plane bearing capacity is measured by PV and will determine the amount of heat generated in the bearing. PV is the relationship of the load to the shaft speed in a bearing. Factors influencing PV limits (heat generation) include:

- Material selection
- Journal surface finish
- Bearing wall thickness
- Running clearance
- Proximity to moisture
- Ambient temperature
- Cycle time

HOW TO CALCULATE PV

PV - P x V
P - pressure in PSI (lbs/sq in)
V - velocity in SFM (surface ft/min)
P - F/A
where F = force (load) on bearing
A = shaft dia (in) x LTB
(LTB = bearing length through the bore)
V - .262 x D x RPM
where D = shaft diameter (in)
RPM = shaft revolutions/min


NA
gray


MY, MZ, QF
black


PA UHMW
white


AA, FA
white

Material Section Chart

	Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval
						Washdown	Submerged					
Bearings	PA UHMW white	1,000	50	800	150°F	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	AA white	2,000	200	1,000	160°F	Excellent	Good	Fair	Fair		Fair	Direct
	NA gray	6,000	350	2,000	200°F	Excellent	Good	Fair	Good		Excellent	Incidental
	FA white	6,000	350	1,000	500°F	Excellent	Excellent	Poor	Excellent		Excellent	Direct
	QF black	60,000	400	6,000	450°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MZ black	6000	300	4,000	650°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY black	5000	250	3,000	800°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental

* PV limits are shown for unlubricated radial bearing applications.
Low temperature / submerged installation may permit PV limits up to 2x higher.

What are plane bearings?

Plane bearings operate without rolling elements. The term 'plane' comes from geometry; it establishes the *plane of operation* of the centerline relative to the load.

Plane bearings can be made from a variety of materials (metals, woods, polymers, other materials). Bearing-grade polymers incorporate lubricity into the material to operate without needing any grease. Plane bearings without external grease are considered Class 3 plane bearings. EDT specializes in Class 3 polymer plane bearings.

EDT offers a complete line of polymer plane bearings that interchange with UC-style (setscrew) or SA-style (eccentric) insert ball bearings.

EDT Poly-Round® (Fig 3) solid polymer inserts and All-Round® (Fig 4) polymer-and-stainless inserts are available in a variety of polymer materials, each having different ranges of capabilities (see Material Selection Chart above).

Check with EDT regarding the most appropriate style of bearing and bearing material for the specific applications you have. Poly-Round® bearings are an excellent choice on most applications where speed is not too fast. (All-Round® bearings are described in Section D of the EDT catalog.)

Arrows indicate wall thickness of polymer in EDT insert bearings

Poly-Round® **All-Round®**

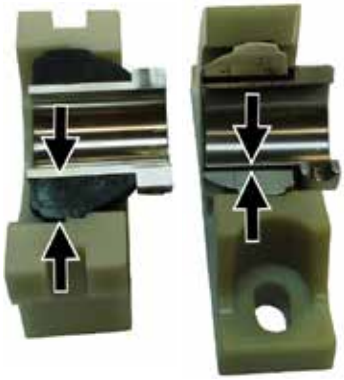


Fig 3 Fig 4

About Locking Sleeves

Benefits of using Locking Sleeves with Plane Bearings

EDT stainless steel locking sleeves protect shaft surfaces from abrasion and the normal wear caused by plane bearings. Locking sleeves provide:

- Optimal journal to increase bearing life
- Contain lateral shaft movement (replaces standard locking collar)
- Protection for shaft
- Abrasion resistant
- Repair damaged shafting

Locking sleeves must run adjacent to polymer, not against metal. On Poly-Round®, install sleeve on either side of the insert, depending on space available (see Fig 5).

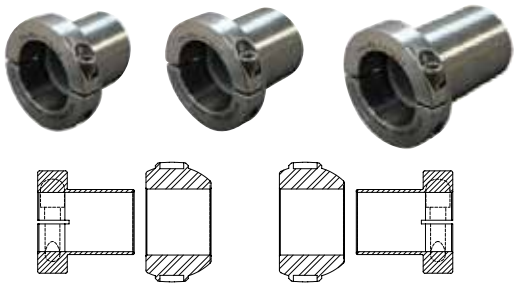
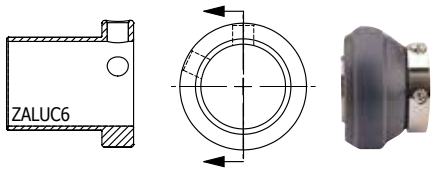


Fig 5

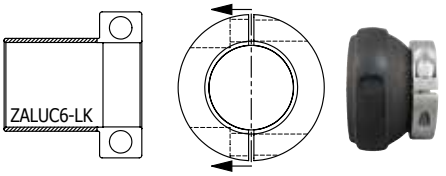
Comparison of setscrew locking sleeves and DoubleLock® sleeves

In some sizes, DoubleLock® sleeves have slightly wider collar than standard locking sleeves to accommodate hardware that is strong enough to draw the split flange together to properly secure around the shaft. For details on specific shaft sizes, refer to chart on page H-5.



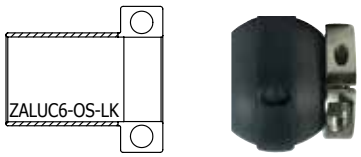
Example: 1" Locking Sleeve Dimensional Change

- Body length remains the same at 1.14"
- ZALUC6-1 has 1-1/2" collar OD x .375 width, overall length at 1.53" ZALUC6-1-LK has 1-3/4" collar OD x .50 width, overall length at 1.63"

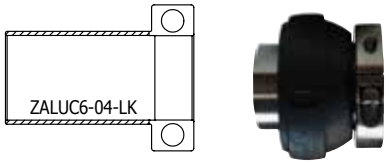


DoubleLock® is available in all sizes/styles of locking sleeves

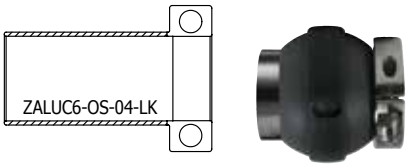
- DoubleLock® ZALUC6-x-LK sleeve mates with standard Poly-Round®
- DoubleLock® ZAMUC6-x-LK sleeve mates with narrow Poly-Round®



- DoubleLock® ZALUC6-x-OS-LK sleeve mates with symmetrical Oven Style Poly-Round® (-HTV fixed end)



- DoubleLock® ZALUC6-x-04-LK sleeve mates with standard length Poly-Round® (-HTE expansion end)



- DoubleLock® ZALUC6-x-OS-04-LK sleeve mates with symmetrical Oven Style Poly-Round® (-HTE expansion end)

Extra Advantages of DoubleLock® sleeves over setscrew locking sleeves

- Holds better under higher thrust loads
- Retains its position under temperature cycling

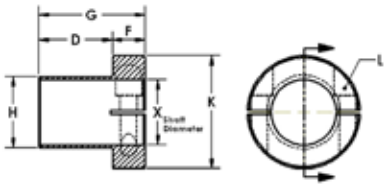
Recommended applications to definitely consider DoubleLock® sleeves

- Vertical shaft installation
- Ovens
- High load angled or vertical screw conveyor
- Freezers
- Other high thrust load drives

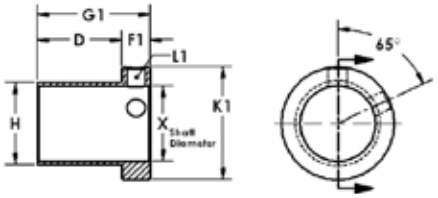
DoubleLock® and Setscrew Locking Sleeve

EDT locking sleeves extend life of plane bearings of any configuration

DoubleLock® Sleeve



Setscrew Locking Sleeve



ZALU_6-04-x-04(LK) sleeve is 0.6" longer 'G' and 'G1' dimension

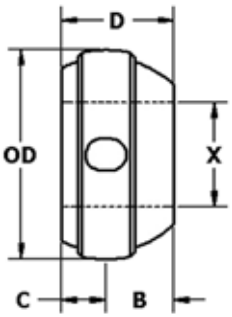
X= Shaft Size			H	D	**DoubleLock® Sleeve**						**Setscrew Locking Sleeve**					
					P/N	Wt.	G	F	K	L	P/N	Wt.	G1	F1	K1	L1
mm	in.	16ths	in. mm	in. mm	Group (Ring)	in lbs.	in. mm	in. mm	in. mm	2 ea ss SHCS	Group (Ring)	in lbs.	in. mm	in. mm	in. mm	2 ea SS set screw
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	0.78 20.0	0.91 23.2	**ZALUA6-x-LK** A (203)	.18	1.38 35.1	0.44 11.2	1.49 38	1/4-28	**ZALUA6-x** A (203)	.15	1.31 32	0.38 9	1.13 28	1/4-28
12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	0.90 23.2	1.04 26.3	**ZALUB6-x-LK** B (204)	.2	1.57 39.8	0.50 12.7	1.63 41	1/4-28	**ZALUB6-x** B (204)	.15	1.44 35	0.38 9	1.25 31	1/4-28
25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	1.09 27.9	1.10 27.9	**ZALUC6-x-LK** C (205)	.2	1.63 41.4	0.50 12.7	1.75 44	1/4-28	**ZALUC6-x** C (205)	.15	1.50 37	0.38 9	1.50 37	1/4-28
30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	1.34 34.3	1.29 32.7	**ZALUD6-x-LK** D (206)	.4	1.82 46.2	0.50 12.7	2.0 50	1/4-28	**ZALUD6-x** D (206)	.31	1.79 44	0.48 12	1.75 43	3/8-24
35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	1.53 39.1	1.47 37.3	**ZALUE6-x-LK** E (207)	.5	2.00 50.8	0.50 12.7	2.25 57	1/4-28	**ZALUE6-x** E (207)	.55	2.0 49	0.50 12	2.00 49	3/8-24
40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	1.71 43.8	1.60 40.6	**ZALUF6-x-LK** F (208)	.6	2.13 54.1	0.50 12.7	2.38 60	1/4-28	**ZALUF6-x** F (208)	.62	2.19 54	0.56 14	2.25 55	3/8-24
45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	1.87 47.5	1.66 42.2	**ZALUG6-x-LK** G (209)	.8	2.32 58.9	0.63 15.9	2.75 70	5/16-24	**ZALUG6-x** G (209)	.86	2.25 55	0.56 14	2.50 61	3/8-24
50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	2.09 53.3	1.66 42.2	**ZALUH6-x-LK** H (210)	1.1	2.32 58.9	0.63 15.9	3.0 76	5/16-24	**ZALUH6-x** H (210)	1.0	2.25 55	0.56 14	2.69 66	3/8-24
55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	2.34 59.7	1.85 47.0	**ZALUI6-x-LK** I (211)	1.3	2.50 63.6	0.63 15.9	3.25 83	5/16-24	**ZALUI6-x** I (211)	1.3	2.44 60	0.56 14	2.88 71	3/8-24
60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	31 32 33 34 35	2.53 64.5	1.44 36.5	**ZALUJ6-x-LK** J (212)	1.4	2.75 69.9	0.63 15.9	3.4 86	5/16-24	**ZALUJ6-x** J (212)	1.3	2.68 66	0.56 14	3.25 80	3/8-24
70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	2.84 72.4	2.10 53.3	**ZALUK6-x-LK** K (214)	2.2	2.88 73.2	0.75 19.1	3.8 96	3/8-24	**ZALUK6-x** K (214)	3.0	2.88 71	0.75 18	4.00 98	1/2-20
75	2-11/16 2-3/4 2-13/16 2-/8 2-15/16	43 44 45 46 47 48	3.14 79.8	2.10 53.3	**ZALUL6-x-LK** L (215)	2.3	2.88 73.2	0.75 19.1	4.13 105	3/8-24	**ZALUL6-x** L (215)	2.2	2.88 71	0.75 18	4.00 98	1/2-20
80	2-3/4 2-15/16 3 3-1/8 3-13/16	44 47 48 50 51	3.28 83.5	2.35 59.7	**ZALUM6-x-LK** M (216)	3.2	3.13 79.5	0.75 18	4.7 120	3/8-24	**ZALUM6-x** M (216)	3.0	3.16 77	0.75 18	4.50 110	1/2-20

Poly-Round® and Poly-Sphere® Bearings

Dimensionally interchanges with wide inner ring insert standard Poly-Round® bearings

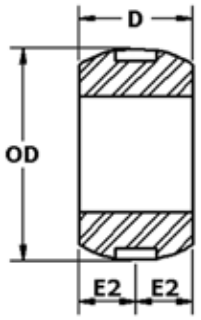
_ _ = Material Identifier (see selection chart on page H-3)

* Alphabetical shaft diameter is sized for use with locking sleeve



Poly-Round®
(_ _ IUCO-x)

Split Poly-Round®
(_ _ IUCT-x)



Poly-Sphere®
(_ _ OUCO-x)

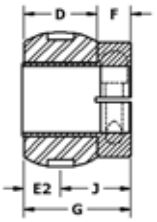
NOTE: Poly-Sphere® and Split Poly-Sphere® fit into special housings

Split Poly-Sphere®
(_ _ OUCT-x)

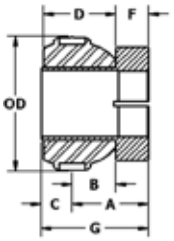
Poly-Round® p/n Poly-Sphere® p/n Group OD in / Ring OD mm	x = Shaft Diameter mm	 in	 16ths	OD in mm	B in mm	C in mm	D in mm	E2 in mm	Wt lbs
_ _IUAO-x **_ _OUAO-x** A 203 1.575 40	12 15 17	1/2 9/16 5/8 11/16 A*	8 9 10 11	1.575 40	0.60 15.2	0.34 8.7	0.91 23.2	0.46 11.6	.1
_ _IUBO-x **_ _OUBO-x** B 204 1.850 47	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16 B*	8 9 10 11 12 13	1.850 47	0.60 15.2	0.44 11.2	1.04 26.3	0.52 13.2	.1
_ _IUCO-x **_ _OUCO-x** C 205 2.047 52	25	3/4 13/16 7/8 15/16 1 C*	12 13 14 15 16	2.047 52	0.66 16.8	0.47 11.9	1.10 27.9	0.55 13.9	.1
_ _IUDO-x **_ _OUDO-x** D 206 2.441 62	30	1 1-1/16 1-1/8 1-3/16 1-1/4 D*	16 17 18 19 20	2.441 62	0.80 20.2	0.52 13.2	1.29 32.7	0.64 16.3	.2
_ _IUEO-x **_ _OUEO-x** E 207 2.835 72	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16 E*	19 20 21 22 23	2.835 72	0.97 24.6	0.53 13.5	1.47 37.3	0.74 18.1	.3
_ _IUFO-x **_ _OUFO-x** F 208 3.150 80	40	1-7/16 1-1/2 1-9/16 1-5/8 F*	23 24 25 26	3.150 80	1.01 25.6	0.59 15.0	1.60 40.6	0.80 20.3	.4
_ _IUGO-x **_ _OUGO-x** G 209 3.346 85	45	1-1/2 1-5/8 1-11/16 1-3/4 G*	24 26 27 28	3.346 85	1.07 27.2	0.59 15.0	1.66 42.2	0.80 21.9	.5
_ _IUHO-x **_ _OUHO-x** H 210 3.543 90	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2 H*	27 28 29 30 31 32	3.543 90	1.07 27.2	0.60 15.2	1.66 42.2	0.83 21.1	.5
_ _IUIO-x **_ _OUIO-x** I 211 3.937 100	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4 I*	31 32 33 34 35 36	3.937 100	1.22 31.1	0.62 15.8	1.85 47.0	0.93 23.6	.6
_ _IUJO-x **_ _OUJO-x** J 212 4.331 110	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16 J*	35 36 37 38 39	4.331 110	1.44 36.5	0.66 16.8	1.44 36.5	1.05 26.7	.7
_ _IUKO-x **_ _OUKO-x** K 214 4.921 125	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4 K*	38 40 42 43 44	4.921 125	1.35 34.3	0.75 19.0	2.10 53.3	1.05 26.7	1.0
_ _IULO-x **_ _OULO-x** L 215 5.118 130	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3 L*	43 44 45 46 47 48	5.118 130	1.29 32.7	.81 20.5	2.10 53.3	1.05 26.7	1.1
_ _IUMO-x **_ _OUMO-x** M 216 5.511 140	80	2-15/16 3 3-1/8 3-3/16 M*	47 48 50 51	5.511 140	1.51 38.4	.84 21.3	2.35 59.7	1.18 29.9	1.2

Poly-Round® and Poly-Sphere® Bearings With DoubleLock® Sleeve

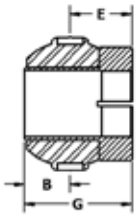
Use standard inserts with standard locking sleeve to maximize bearing life



Poly-Sphere®
Sample p/n NAOUCT-1-LK (split insert)
Sample p/n NAOUCO-1-LK (1 piece insert)
NOTE: Requires special housing.



View A (standard)



View B

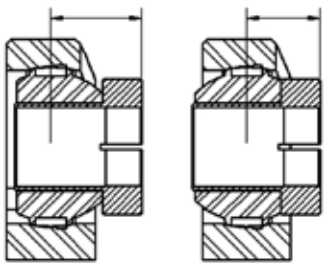
Poly-Round®
Sample p/n NAIUC7-1-LK

LK indicates DoubleLock® sleeve.
No suffix after shaft size indicates setscrew sleeve.

_ _ = Material Identifier (see selection chart on page H-3)

DoubleLock® p/n Setscrew p/n	x = Shaft Diameter			OD	A	B	C	D	E	E2	F	G	G1	J	Replacement Polymer Bearing	Wt
Group OD in / Ring OD mm	mm	in	16ths	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	with LK sleeve	with setscrew sleeve	in mm	Replacement DoubleLock® Sleeve	lbs
_ _IUA7-x-LK **_ _IUA7-x** A 203 1.575 40	12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	1.575 40.0	1.04 26.4	0.60 15.2	0.34 8.7	0.91 23.2	0.75 19.1	0.46 11.6	0.44 11.2	1.38 35.1	1.23 (-.15)	0.96 24.3	**_ _IUAO-A** ZALUA6-x-LK	.2
_ _IUB7-x-LK **_ _IUB7-x** B 204 1.850 47	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	1.850 47.0	1.10 27.9	0.60 15.2	0.44 11.2	1.04 26.3	0.94 23.8	0.52 13.2	0.50 12.7	1.57 39.8	1.42 (-.15)	1.02 25.9	**_ _IUBO-B** ZALUB6-x-LK	.3
_ _IUC7-x-LK **_ _IUC7-x** C 205 2.047 52	25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	2.047 52.0	1.16 29.5	0.66 16.8	0.47 11.9	1.10 27.9	0.94 23.8	0.55 13.9	0.50 12.7	1.63 41.4	1.48 (-.15)	1.05 26.7	**_ _IUCO-C** ZALUC6-x-LK	.4
_ _IUD7-x-LK **_ _IUD7-x** D 206 2.441 62	30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	2.441 62.0	1.30 32.9	0.80 20.2	0.52 13.2	1.29 32.7	0.99 25.1	0.64 16.3	0.50 12.7	1.82 46.2	1.77 (-.05)	1.14 29.0	**_ _IUDO-D** ZALUD6-x-LK	.6
_ _IUE7-x-LK **_ _IUE7-x** E 207 2.835 72	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	2.835 72.0	1.47 37.3	0.97 24.6	0.53 13.5	1.47 37.3	1.00 25.4	0.74 18.1	0.50 12.7	2.00 50.8	1.97 (-.03)	1.26 32.0	**_ _IUEO-E** ZALUE6-x-LK	.8
_ _IUF7-x-LK **_ _IUF7-x** F 208 3.150 80	40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	3.150 80.0	1.51 38.3	1.01 25.6	0.59 15.0	1.60 40.6	1.09 27.8	0.80 20.3	0.50 12.7	2.13 54.1	2.16 (+.03)	1.30 33.0	**_ _IUFO-F** ZALUF6-x-LK	1.0
_ _IUG7-x-LK **_ _IUG7-x** G 209 3.346 85	45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	3.346 85.0	1.69 43.0	1.07 27.2	0.59 15.0	1.66 42.2	1.22 31.0	0.80 21.9	0.63 15.9	2.32 58.9	2.23 (-.09)	1.46 37.0	**_ _IUGO-G** ZALUG6-x-LK	1.2
_ _IUH7-x-LK **_ _IUH7-x** H 210 3.543 90	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	3.543 90.0	1.69 43.0	1.07 27.2	0.60 15.2	1.66 42.2	1.22 31.0	0.83 21.1	0.63 15.9	2.32 58.9	2.23 (-.09)	1.48 37.6	**_ _IUHO-H** ZALUH6-x-LK	1.3
_ _IUI7-x-LK **_ _IUI7-x** I 211 3.937 100	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	3.937 100.0	1.85 47.0	1.22 31.1	0.62 15.8	1.85 47.0	1.25 31.8	0.93 23.6	0.63 15.9	2.50 63.6	2.41 (-.09)	1.58 40.1	**_ _IUIO-I** ZALUI6-x-LK	1.8
_ _IUJ7-x-LK **_ _IUJ7-x** J 212 4.331 110	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	4.331 110.0	2.06 52.4	1.44 36.5	0.66 16.8	1.44 36.5	1.28 32.5	1.05 26.7	0.63 15.9	2.75 69.9	2.66 (-.09)	1.70 43.2	**_ _IUJO-J** ZALUJ6-x-LK	2.0
_ _IUK7-x-LK **_ _IUK7-x** K 214 4.921 125	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	4.921 125.0	2.10 53.3	1.35 34.3	0.75 19.0	2.10 53.3	1.50 38.1	1.05 26.7	0.75 19.1	2.88 73.2	2.85 (-.03)	1.83 46.5	**_ _IUKO-K** ZALUK6-x-LK	4.0
_ _IUL7-x-LK **_ _IUL7-x** L 215 5.118 130	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	5.118 130.0	2.04 51.8	1.29 32.7	.81 20.5	2.10 53.3	1.56 39.7	1.05 26.7	0.75 19.1	2.88 73.2	2.85 (-.03)	1.83 46.5	**_ _IULO-L** ZALUL6-x-LK	3.4
_ _IUM7-x-LK **_ _IUM7-x** M 216 5.511 140	80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	5.511 140.0	2.26 57.4	1.51 38.4	.84 21.3	2.35 59.7	1.59 40.4	1.18 29.9	0.75 19.1	3.13 79.5	3.13 (0)	1.93 49.0	**_ _IUMO-M** ZALUM6-x-LK	4.2

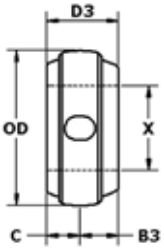
Profile of a Poly-Round® bearing in a housing



View A (standard) View B

Narrow Poly-Round® Bearings

Dimensionally interchanges with narrow inner ring (light duty) insert bearings



NA IU_3-x

_ _ = Material Identifier (see selection chart on page H-3)

* Alphabetical shaft diameter is sized for use with locking sleeve

PA IU_3-x

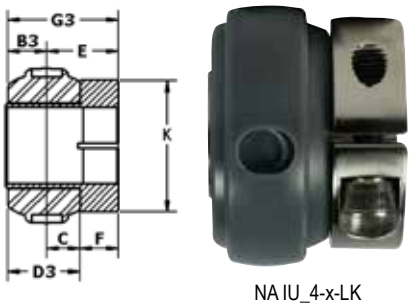
QF IU_3-x

FA IU_3-x

PART # Group **OD** in	Ring OD mm	**x** = Shaft Diameter mm	in	16ths	B3 in mm	C in mm	D3 in mm	Wt lbs
_ _IUA3-x A 1.575	203 40	12 15 17	1/2 9/16 5/8 11/16 A*	8 9 10 11	0.38 9.6	0.34 8.7	0.69 17.5	.1
_ _IUB3-x B 1.850	204 47	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16 B*	8 9 10 11 12 13	0.38 9.6	0.44 11.2	0.81 20.7	.1
_ _IUC3-x C 2.047	205 52	25	3/4 13/16 7/8 15/16 1 C*	12 13 14 15 16	0.50 12.8	0.47 11.9	0.94 23.9	.1
_ _IUD3-x D 2.441	206 62	30	1 1-1/16 1-1/8 1-3/16 1-1/4 D*	16 17 18 19 20	0.52 13.3	0.52 13.2	1.01 25.7	.2
_ _IUE3-x E 2.835	207 72	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16 E*	19 20 21 22 23	0.66 16.7	0.53 13.5	1.16 29.4	.3
_ _IUF3-x F 3.150	208 80	40	1-7/16 1-1/2 1-9/16 1-5/8 F*	23 24 25 26	0.75 19.1	0.59 15.0	1.35 34.2	.4
_ _IUG3-x G 3.346	209 85	45	1-1/2 1-5/8 1-11/16 1-3/4 G*	24 26 27 28	0.73 18.6	0.59 15.0	1.33 33.7	.5
_ _IUH3-x H 3.543	210 90	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2 H*	27 28 29 30 31 32	0.83 21.0	0.60 15.2	1.42 36.1	.5
_ _IUI3-x I 3.937	211 100	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4 I*	31 32 33 34 35 36	0.96 24.3	0.62 15.8	1.58 40.1	.6
_ _IUJ3-x J 4.331	212 110	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16 J*	35 36 37 38 39	1.30 32.9	0.66 16.8	1.30 32.9	.7
_ _IUK3-x K 4.921	214 125	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4 K*	38 40 42 43 44	1.20 30.5	0.75 19.0	1.95 49.5	1.0

Narrow Poly-Round® Bearings with DoubleLock® Sleeve

Use narrow inserts with 'ER length' (short) locking sleeves
where there is not sufficient length for standard length Poly-Round® bearings



NA IU_4-x-LK

_ _ = Material Identifier (see selection chart on page H-3)
LK indicates DoubleLock® sleeve. No suffix after shaft size indicates setscrew sleeve.

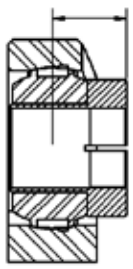
PART # Group **OD** in / Ring OD mm	**x** = Shaft Diameter mm	in	16ths	B3 in / mm	C in / mm	D3 in / mm	E in / mm	F in / mm	G3 in / mm	K in / mm	**Replacement Polymer Bearing** Replacement DoubleLock® Sleeve	Wt lbs
_ _IUA4-x-LK A 203 1.575 40	12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	0.38 9.6	0.34 8.7	0.69 17.5	0.75 19.1	0.44 11.2	1.16 29.4	1.49 38	**_ _IUA3-A** ZAMUA6-x-LK	.2
_ _IUB4-x-LK B 204 1.850 47	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	0.38 9.6	0.44 11.2	0.81 20.7	0.94 23.8	0.50 12.7	1.35 34.2	1.63 41	**_ _IUB3-B** ZAMUB6-x-LK	.3
_ _IUC4-x-LK C 205 2.047 52	25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	0.50 12.8	0.47 11.9	0.94 23.9	0.94 23.8	0.50 12.7	1.47 37.3	1.75 44	**_ _IUC3-C** ZAMUC6-x-LK	.4
_ _IUD4-x-LK D 206 2.441 62	30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	0.52 13.3	0.52 13.2	1.01 25.7	0.99 25.1	0.50 12.7	1.54 39.2	2.0 50	**_ _IUD3-D** ZAMUD6-x-LK	.6
_ _IUE4-x-LK E 207 2.835 72	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	0.66 16.7	0.53 13.5	1.16 29.4	1.00 25.4	0.50 12.7	1.69 42.8	2.25 57	**_ _IUE3-E** ZAMUE6-x-LK	.8
_ _IUF4-x-LK F 208 3.150 80	40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	0.75 19.1	0.59 15.0	1.35 34.2	1.09 27.8	0.50 12.7	1.87 47.6	2.38 60	**_ _IUF3-F** ZAMUF6-x-LK	1.0
_ _IUG4-x-LK G 209 3.346 85	45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	0.73 18.6	0.59 15.0	1.33 33.7	1.22 31.0	0.63 15.9	1.98 50.3	2.75 70	**_ _IUG3-G** ZAMUG6-x-LK	1.2
_ _IUH4-x-LK H 210 3.543 90	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	0.83 21.0	0.60 15.2	1.42 36.1	1.22 31.0	0.63 15.9	2.07 52.7	3.0 76	**_ _IUH3-H** ZAMUH6-x-LK	1.3
_ _IUI4-x-LK I 211 3.937 100	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	0.96 24.3	0.62 15.8	1.58 40.1	1.25 31.8	0.63 15.9	2.24 56.8	3.25 83	**_ _IUI3-I** ZAMUI6-x-LK	1.8
_ _IUJ4-x-LK J 212 4.331 110	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	1.30 32.9	0.66 16.8	1.30 32.9	1.28 32.5	0.63 15.9	2.61 66.2	3.4 86	**_ _IUJ3-J** ZAMUJ6-x-LK	2.0
_ _IUK4-x-LK K 214 4.921 125	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	1.20 30.5	0.75 19.0	1.95 49.5	1.50 38.1	0.75 19.1	2.73 69.3	3.8 96	**_ _IUK3-K** ZAMUK6-x-LK	4.0

PA IU_4-x-LK

QF IU_4-x-LK

FA IU_4-x-LK

Profile of a narrow Poly-Round® in a housing



Look at the savings that can be realized by changing from ball bearings to EDT Poly-Round® bearings

COMPARE THE COSTS OF OWNERSHIP OF

EDT NA Poly-Round® Solution® Bearings

ON STRAIGHT RUN MODULAR PLASTIC OR WIRE BELT CONVEYORS

EDT bearings save money, time, and labor!

Cost of original bearing

(Non-corrosive ball bearing in polymer housing)

Based on replacing bearing and housing every 6 months

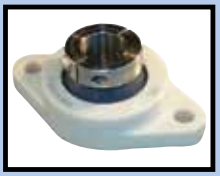
1st Year

Cost to purchase original bearing & housing	
F2BSCEZ100	**$114.17**
Cost to initially install bearing	
Labor (1 hour at $30/hr)	**$30.00**
Cost of bearing and installation	$144.17
Bearing change-outs per year	
52 weeks divided by 6 months	x 2
1 year cost to buy/install bearings	**$288.34**
Cost of lubricant: Lubriplate® LFG	
1 oz per week at 55¢/oz	$0.55
Labor: 50¢ per min x 1 min	0.50
PM frequency: 2 times per week	x 104
	$109.20
Total 1 year bearing cost	$397.54
x number of bearings per machine	4
One year cost of bearings per machine	**$1,590.16**

Cost of EDT NA Poly-Round® Solution®

(Poly-Round® polymer insert in polymer housing)

Based on re-using housing and sleeve, and replacing only the insert every 12 months



1st Year

Cost to purchase EDT bearing & housing	
NA2GC7-16-LK	**$167.00**
Cost to initially install bearing	
Labor (1 hour at $30/hr)	**$30.00**
Cost of bearing and installation	$197.00

Poly-Round® bearing guaranteed to run 12 months with zero maintenance

EDT 1 YEAR GUARANTEE

1 year cost to buy/install bearings	**$197.00**
Cost of lubricant:	
EDT Poly-Round® bearing is greaseless	**$0.00**
Total 1 year bearing cost	$197.00
x number of bearings per machine	4
One year cost of bearings per machine	**$788.00**

Machine's 1 year cost with original bearings	$1,590.16
versus 1 year cost with EDT bearings	$788.00
Savings per machine	**$802.16**

One year savings with EDT bearings!

x 6 modular belt conveyors per facility

$4,812.96

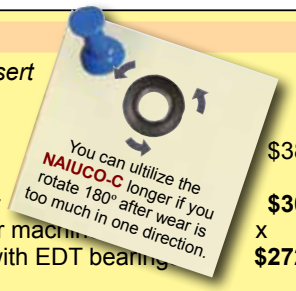
2nd Year

Continue same costs as 1st year

Total 2nd year bearing cost	**$397.54**
x number of bearings per machine	x 4
2nd year machine cost with original bearings	**$1,590.16**
Total 2-year cost of bearings on 1 machine	**$3,180.32**

2nd Year

Replace Poly-Round® insert



Poly-Round® NAIUCO-C	$38.00
Labor: $30/hour x 1 hour	**$30.00**
x number of bearings per machine	x 4
2nd year machine cost with EDT bearings	**$272.00**
Total 2-year cost of bearings on 1 machine	**$1,060.00**

Machine's 2 year cost with original bearings	$3,180.32
versus 2 year cost with EDT bearings	$1,060.00
Savings per machine	**$2,120.32**

Savings over 2 years using EDT bearings!

x 6 modular belt conveyors per facility

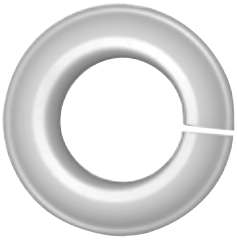
$12,721.92

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions.
Individual results can vary based on installation and maintenance practices, and environmental conditions.

0513

FREEZER BEARINGS



PAIU_O-xBC

QFIU_O-xB NAIU_O-xB

Self aligning polymer plane bearings eliminate problems of grease operating in low temperatures

Poly-Round® bearings have NO moving parts, therefore they require NO GREASE

EDT Poly-Round® bearings are ideal for low temperature operations like

- Spiral freezers
- Freezer input conveyors
- Ice makers, ice rakes
- Any equipment that has movement at temperatures below freezing (32ºF/0ºC) where standard lubricants do not operate well because of the low temperature

3 Bearing options: Which to choose?⅄

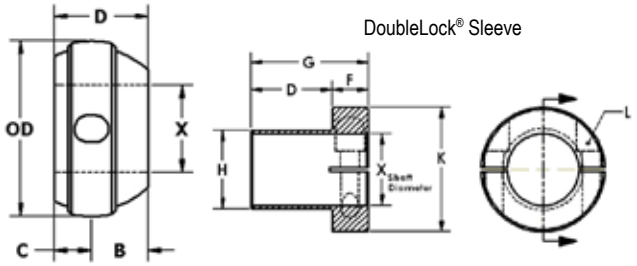
- For 32ºF to -40ºF use 'NA' freezer bearing NAIU_7-xB-LK
- For -40ºF to cryogenic use either
  a. Cut style 'PA' Poly-Round® PAIU_7-xBC-LK
     Most reliable performance when application is within PV paramaters✶
  b. 'QF' freezer bearing QFIU_7-xB-LK
     When PV design limit of the equipment is beyond 'PA'

⅄ Low temperature housing selection: KG polymer acceptable to -40ºF (Section D); lower temperature requires stainless (Section F).

✶ Low temperature installation may permit PV limits up to 2x higher than charted limits (page C-3).

Poly-Round® Freezer Bearings

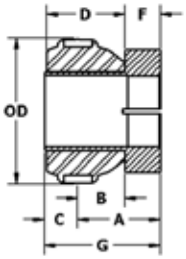
Freezer Poly-Round® bearings are specially bored for low temp environments.
Mate with standard DoubleLock® sleeves to maximize bearing life.



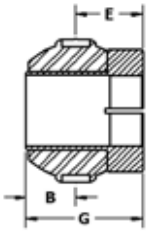
Low temp PA split	Low temp NA, QF	DoubleLock® Sleeve part #	x = Shaft Diameter mm	x = Shaft Diameter in	x = Shaft Diameter 16ths	Ring Size Industry EDT **OD** in inches **OD** in mm	K in mm	H in mm	D in mm	F in mm	G in mm	L 2 ea SHCS
PAIUAO-ABC	NAIUAO-AB QFIUAO-AB	ZALUA6-x-LK	12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	203 A 1.575 40	1.49 38	0.78 20.0	59/64 23.3	0.44 11.2	1.38 35.1	1/4-28
PAIUBO-BBC	NAIUBO-BB QFIUBO-BB	ZALUB6-x-LK	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	204 B 1.850 47	1.63 41	0.90 23.2	1-3/64 26.5	0.50 12.7	1.57 39.8	1/4-28
PAIUCO-CBC	NAIUCO-CB QFIUCO-CB	ZALUC6-x-LK	25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	205 C 2.047 52	1.75 44	1.09 27.9	1-7/64 28.1	0.50 12.7	1.63 41.4	1/4-28
PAIUDO-DBC	NAIUDO-DB QFIUDO-DB	ZALUD6-x-LK	30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	206 D 2.441 62	2.0 50	1.34 34.3	1-19/64 32.8	0.50 12.7	1.82 46.2	1/4-28
PAIUEO-EBC	NAIUEO-EB QFIUEO-EB	ZALUE6-x-LK	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	207 E 2.835 72	2.25 57	1.53 39.1	1-31/64 37.6	0.50 12.7	2.00 50.8	1/4-28
PAIUFO-FBC	NAIUFO-FB QFIUFO-FB	ZALUF6-x-LK	40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	208 F 3.150 80	2.38 60	1.71 43.8	1-39/64 40.8	0.50 12.7	2.13 54.1	1/4-28
PAIUGO-GBC	NAIUGO-GB QFIUGO-GB	ZALUG6-x-LK	45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	209 G 3.346 85	2.75 70	1.87 47.5	1-43/64 42.4	0.63 15.9	2.32 58.9	5/16-24
PAIUHO-HBC	NAIUHO-HB QFIUHO-HB	ZALUH6-x-LK	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	210 H 3.543 90	3.0 76	2.09 53.3	1-43/64 42.4	0.63 15.9	2.32 58.9	5/16-24
PAIUIO-IBC	NAIUIO-IB QFIUIO-IB	ZALUI6-x-LK	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	211 I 3.937 100	3.25 83	2.34 59.7	1-55/64 47.1	0.63 15.9	2.50 63.6	5/16-24
PAIUJO-JBC	NAIUJO-JB QFIUJO-JB	ZALUJ6-x-LK	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	212 J 4.331 110	3.4 86	2.53 64.5	2-3/32 53.3	0.63 15.9	2.75 69.9	5/16-24
PAIUAK-KBC	NAIUKO-KB QFIUKO-KB	ZALUK6-x-LK	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	214 K 4.921 125	3.8 96	2.84 72.4	2-7/64 53.5	0.75 19.1	2.88 73.2	3/8-24
PAIULO-LBC	NAIULO-LB QFIULO-LB	ZALUL6-x-LK	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	215 L 5.118 130	4.13 105	3.14 79.8	2-7/64 53.6	0.75 19.1	2.88 73.2	3/8-24
PAIUMO-MBC	NAIUMO-MB QFIUMO-MB	ZALUM6-x-LK	80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	216 M 5.511 140	4.7 120	3.28 83.5	2-11/32 59.7	0.75 19.1	3.13 79.5	3/8-24

Poly-Round® Freezer Bearing with DoubleLock® Sleeve

The assembly of freezer bearing and sleeve won't rust, and stays firmly located.



View A (standard)



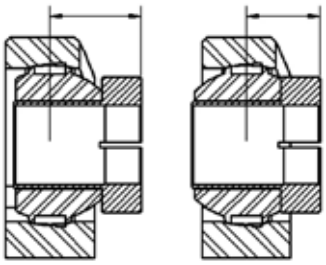
View B

Sample p/n PAIUC7-1BC-LK

Sample p/n QFIUC7-1B-LK

Assembly Part #	x = Shaft Diameter mm	in	16ths	A in mm	E in mm	B in mm	C in mm	D in mm	F in mm	G in mm	Wt lbs
NAIUA7-xB-LK PAIUA7-xBC-LK QFIUA7-xB-LK	12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	1.04 26.4	0.75 19.1	0.60 15.2	0.34 8.7	0.91 23.2	0.44 11.2	1.38 35.1	.2
NAIUB7-xB-LK PAIUB7-xBC-LK QFIUB7-xC-LK	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	1.10 27.9	0.94 23.8	0.60 15.2	0.44 11.2	1.04 26.3	0.50 12.7	1.57 39.8	.3
NAIUC7-xB-LK PAIUC7-xBC-LK QFIUC7-xB-LK	25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	1.16 29.5	0.94 23.8	0.66 16.8	0.47 11.9	1.10 27.9	0.50 12.7	1.63 41.4	.4
NAIUD7-xB-LK PAIUD7-xBC-LK QFIUD7-xB-LK	30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	1.30 32.9	0.99 25.1	0.80 20.2	0.52 13.2	1.29 32.7	0.50 12.7	1.82 46.2	.6
NAIUE7-xB-LK PAIUE7-xBC-LK QFIUE7-xB-LK	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	1.47 37.3	1.00 25.4	0.97 24.6	0.53 13.5	1.47 37.3	0.50 12.7	2.00 50.8	.8
NAIUF7-xB-LK PAIUF7-xBC-LK QFIUF7-xB-LK	40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	1.51 38.3	1.09 27.8	1.01 25.6	0.59 15.0	1.60 40.6	0.50 12.7	2.13 54.1	1.0
NAIUG7-xB-LK PAIUG7-xBC-LK QFIUG7-xB-LK	45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	1.69 43.0	1.22 31.0	1.07 27.2	0.59 15.0	1.66 42.2	0.63 15.9	2.32 58.9	1.2
NAIUH7-xB-LK PAIUH7-xBC-LK QFIUH7-xB-LK	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	1.69 43.0	1.22 31.0	1.07 27.2	0.60 15.2	1.66 42.2	0.63 15.9	2.32 58.9	1.3
NAIUI7-xB-LK PAIUI7-xBC-LK QFIUI7-xB-LK	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	1.85 47.0	1.25 31.8	1.22 31.1	0.62 15.8	1.85 47.0	0.63 15.9	2.50 63.6	1.8
NAIUJ7-xB-LK PAIUJ7-xBC-LK QFIUJ7-xB-LK	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	2.06 52.4	1.28 32.5	1.44 36.5	0.66 16.8	1.44 36.5	0.63 15.9	2.75 69.9	2.0
NAIUK7-xB-LK PAIUK7-xBC-LK QFIUK7-xB-LK	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	2.10 53.3	1.50 38.1	1.35 34.3	0.75 19.0	2.10 53.3	0.75 19.1	2.88 73.2	4.0
NAIUL7-xB-LK PAIUL7-xBC-LK QFIUL7-xB-LK	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	2.04 51.8	1.56 39.7	1.29 32.7	.81 20.5	2.10 53.3	0.75 19.1	2.88 73.2	3.4
NAIUM7-xB-LK PAIUM7-xBC-LK QFIUM7-xB-LK	80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	2.26 57.4	1.59 40.4	1.51 38.4	.84 21.3	2.35 59.7	0.75 19.1	3.13 79.5	4.2

Profile of a Freezer Poly-Round® in a housing



View A (standard)

View B

Poly-Round® mounted bearings available for all styles and sizes of bearings 1/2" to 3-7/16"

Poly-Round® bearings can be installed in EDT housings or bearing housings by other manufacturers. See EDT catalog Section B (AMBER) for dimensions of mounted bearings.

When installing Poly-Round® bearings in a non-EDT housing

For anti-rotation device: DO NOT use the existing tapped hole of grease fitting. Instead, the following will apply:

1. Drill and tap a 1/4-28 hole on the centerline of the spherical ID.
2. Insert the Poly-Round® into the housing (freeze bearing for easier assembly).
3. Align one of the anti-rotation slots of the bearing with the tapped hole of the housing.
4. Thread setscrew through the housing and into the Poly-Round® anti-rotation slot (setscrew provided with Poly-Round®).
5. Setscrew should be screwed down until it just touches the bottom of the slot.
6. Then, **reverse** the setscrew (back it out) one FULL turn (360º).
7. EDT plugs any other holes in the housing with a very short setscrew so the hole is not a contamination trap, or gives an impression that "something is missing."
8. The setscrews in the housing should NOT be adjusted after this time.
   Do NOT adjust the housing setscrew when housing is mounted on the equipment.

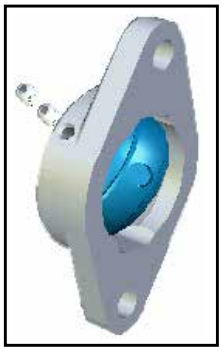


Fig 7-1

Fig 7-2

Fig 7-3

Installing Poly-Round® bearing into EDT housing

NOTE: Fig 7-1: Remove two (2) setscrews from an EDT housing in order to replace the Poly-Round® bearing.

Step 1: Put new bearing into a freezer or into ice water for an hour. Poly-Round® bearings are made for a snug fit into the housing. Chilling the polymer will shrink it and make it easier to install, but it is still possible without chilling.

Step 2: Fig 7-2: Establish orientation of the insert into the housing (the slot on the bearing O.D. should be directly under the tapped hole in the housing). Roll the chilled bearing into the housing. If necessary, use a bar in the bearing bore to assist; the diameter of the bar should be as close to the bearing bore as possible (a wood or plastic bar is preferable because it will reduce possible damage).

Step 3: Fig 7-3: Install two setscrews through the housing. The 1st setscrew (the longest one) will make contact with the bottom of the slot in the bearing and then will be reversed 1 full turn. The 2nd setscrew will go on top of the 1st to lock it in place and to fill up the hole.

Fig 7-4: Current Poly-Round® bearings include two anti-rotation slots on the spherical outer diameter. One of these should be used in every installation. The second slot is used when the insert is flipped 180º after use, which doubles the life of the bearing.

The anti-rotation slot:

- Allows insert to be retained within a range of motion so it can align with the shaft.
- Keeps insert in place (so it doesn't spin) while the operating temperature increases to lock the bearing in the housing. (The bearing expands more than the housing.)

Additional directions for mounting the assembly onto equipment can be found in the EDT catalog on page O-8, or online at http://edtcorp.com/e.userhandbook/userhandbook.html, and go to page 8.

See: EDT Poly-Round® Installation video:
http://www.youtube.com/watch?v=N8mXjrZbwYA

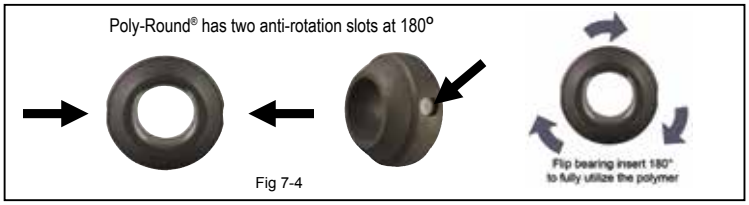


Fig 7-4

POLY-ROUND® BEARINGS

OPERATING IN HIGH HEAT

Oven Bearings

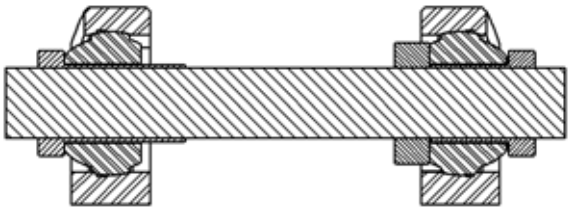
Cast steel housing oven bearing: expansion end

Machined stainless housing oven bearing: fixed end

Cast stainless housing oven bearing

HTE - Expansion end

HTV - Fixed end



EDT exclusive design accommodates shaft expansion

EDT no-grease Poly-Round®* bearings operate reliably in high temperatures with ZERO maintenance

- 'Fixed' and 'floating' (expansion) options available
  - Expansion is accommodated with longer DoubleLock® sleeve
  - 'Fixed' bearing set includes DoubleLock® sleeve and a split collar (stainless steel)

- QF polymer bearing material is rated to 450°F
  - FA polymer bearing material offers high-temp with FDA-approval for direct and continuous food or pharmaceutical contact
  - Other materials available for intermittent temperatures between 450° and 950°F**

- Poly-Round® insert for high temp is dimensioned to allow for part and equipment expansion at elevated temperature
  - High-temperature Poly-Round® is denoted with suffix '-HT'

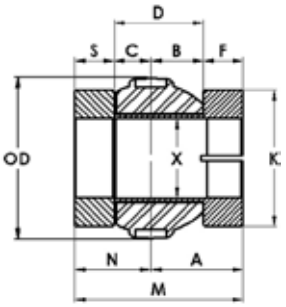
- On new equipment: consider EDT's OS (oven style) high temp bearings that offer higher PV capability and easiest installation
  - Fixed and floating OS Poly-Round® bearings available (insert part number suffix '-OS')

* All of this information also applies to EDT Poly-Sphere® bearings. Poly-Sphere® bearings require special housing.

** MZ and MY plane bearings that operate above 500°F do so at lower speed and load limits than QF.

Poly-Round® Oven Bearings: Fixed End

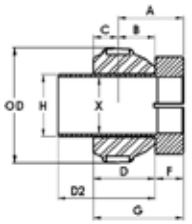
Oven Poly-Round® bearings are specially dimensioned for high temp environments.
Fixed-end units securely locate shaft within the bearing.



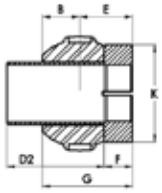
x = Shaft Diameter			Ring Size	Fixed End Components				S	N	F	D	M
mm	in	16ths	Industry EDT **OD** in **OD** mm	Poly-Round® Insert	DoubleLock® sleeve Fixed End	Split collar V = single split W = double split	Bearing Assembly	in mm	in mm	in mm	in mm	in mm
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	203 A 1.575 40	QFIUAO-A-HT	ZALUA6-x-LK	ZATVAO-x	QFIUA7-x-LCHTV	.45 11.4	.79 20.0	0.44 11.2	0.91 23.2	1.23 31.2
12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	204 B 1.850 47	QFIUBO-B-HT	ZALUB6-x-LK	ZATVBO-x	QFIUB7-x-LCHTV	.5 12.7	.94 23.9	0.50 12.7	1.04 26.3	1.44 36.6
25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	205 C 2.047 52	QFIUCO-C-HT	ZALUC6-x-LK	ZATVCO-x	QFIUC7-x-LCHTV	.5 12.7	.97 24.6	0.50 12.7	1.10 27.9	1.47 37.3
30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	206 D 2.441 62	QFIUDO-D-HT	ZALUD6-x-LK	ZATVDO-x	QFIUD7-x-LCHTV	.5 12.7	1.02 25.9	0.50 12.7	1.29 32.7	1.52 38.6
35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	207 E 2.835 72	QFIUEO-E-HT	ZALUE6-x-LK	ZATVEO-x	QFIUE7-x-LCHTV	.5 12.7	1.03 26.1	0.50 12.7	1.47 37.3	1.53 38.8
40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	208 F 3.150 80	QFIUFO-F-HT	ZALUF6-x-LK	ZATVFO-x	QFIUF7-x-LCHTV	.5 12.7	1.09 27.6	0.50 12.7	1.60 40.6	1.59 40.4
45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	209 G 3.346 85	QFIUGO-G-HT	ZALUG6-x-LK	ZATVGO-x	QFIUG7-x-LCHTV	.5 12.7	1.09 27.6	0.63 15.9	1.66 42.2	1.72 43.7
50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	210 H 3.543 90	QFIUHO-H-HT	ZALUH6-x-LK	ZATVHO-x	QFIUH7-x-LCHTV	.67 17.1	1.27 32.2	0.63 15.9	1.66 42.2	1.9 48.2
55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	211 I 3.937 100	QFIUIO-I-HT	ZALUI6-x-LK	ZATVIO-x	QFIUI7-x-LCHTV	.75 19.1	1.37 34.8	0.63 15.9	1.85 47.0	2.0 50.8
60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	212 J 4.331 110	QFIUJO-J-HT	ZALUJ6-x-LK	ZATVJO-x	QFIUJ7-x-LCHTV	.75 19.1	1.41 35.8	0.63 15.9	1.44 36.5	2.04 51.8
70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	214 K 4.921 125	QFIUKO-K-HT	ZALUK6-x-LK	ZATVKO-x	QFIUK7-x-LCHTV	.8 20.3	1.55 39.4	0.75 19.1	2.10 53.3	2.3 58.4
75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	215 L 5.118 130	QFIULO-L-HT	ZALUL6-x-LK	ZATVLO-x	QFIUL7-x-LCHTV	.88 22.3	1.69 42.9	0.75 19.1	2.10 53.3	2.44 62.0
80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	216 M 5.511 140	QFIUMO-M-HT	ZALUM6-x-LK	ZAT_MO-x	QFIUM7-x-LCHTV	.88 22.3	1.72 43.7	0.75 19.1	2.35 59.7	2.47 62.7

Poly-Round® Oven Bearings: Expansion End

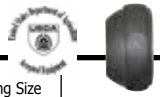
High Temperature Poly-Round® with long (-04) DoubleLock® Sleeve
accommodates expansion of equipment as temperature rises and falls.



View A (standard)



View B

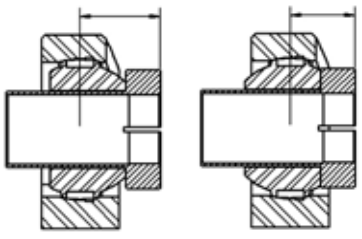


Expansion End Components

D2 - D = 0.6' length for expansion

x = Shaft Diameter		Ring Size				K	A	B	C	E	D2	G
mm	in	16ths	Industry EDT **OD** in inches **OD** in mm	Poly-Round® insert	DoubleLock® sleeve (long)	Bearing Assembly	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	203 A 1.575 40	QFIUAO-A-HT	ZALUA6-x-04LK	QFIUA7-x-LCHTE	1.49 38	1.04 26.4	0.60 15.2	0.34 8.7	0.75 19.1	1.54 38	1.38 35.1
12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	204 B 1.850 47	QFIUBO-B-HT	ZALUB6-x-04LK	QFIUB7-x-LCHTE	1.63 41	1.10 27.9	0.60 15.2	0.44 11.2	0.94 23.8	1.6 44	1.57 39.8
25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	205 C 2.047 52	QFIUCO-C-HT	ZALUC6-x-04LK	QFIUC7-x-LCHTE	1.75 44	1.16 29.5	0.66 16.8	0.47 11.9	0.94 23.8	1.7 43	1.63 41.4
30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	206 D 2.441 62	QFIUDO-D-HT	ZALUD6-x-04LK	QFIUD7-x-LCHTE	2.0 50	1.30 32.9	0.80 20.2	0.52 13.2	0.99 25.1	1.9 48	1.82 46.2
35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	207 E 2.835 72	QFIUEO-E-HT	ZALUE6-x-04LK	QFIUE7-x-LCHTE	2.25 57	1.47 37.3	0.97 24.6	0.53 13.5	1.00 25.4	2.1 53	2.00 50.8
40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	208 F 3.150 80	QFIUFO-F-HT	ZALUF6-x-04LK	QFIUF7-x-LCHTE	2.38 60	1.51 38.3	1.01 25.6	0.59 15.0	1.09 27.8	2.2 56	2.13 54.1
45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	209 G 3.346 85	QFIUGO-G-HT	ZALUG6-x-04LK	QFIUG7-x-LCHTE	2.75 70	1.69 43.0	1.07 27.2	0.59 15.0	1.22 31.0	2.3 58	2.32 58.9
50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	210 H 3.543 90	QFIUHO-H-HT	ZALUH6-x-04LK	QFIUH7-x-LCHTE	3.0 76	1.69 43.0	1.07 27.2	0.60 15.2	1.22 31.0	2.3 58	2.32 58.9
55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	211 I 3.937 100	QFIUIO-I-HT	ZALUI6-x-04LK	QFIUI7-x-LCHTE	3.25 83	1.85 47.0	1.22 31.1	0.62 15.8	1.25 31.8	2.5 63	2.50 63.6
60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	212 J 4.331 110	QFIUJO-J-HT	ZALUJ6-x-04LK	QFIUJ7-x-LCHTE	3.4 86	2.06 52.4	1.44 36.5	0.66 16.8	1.28 32.5	2.7 69	2.75 69.9
70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	214 K 4.921 125	QFIUKO-K-HT	ZALUK6-x-04LK	QFIUK7-x-LCHTE	3.8 96	2.10 53.3	1.35 34.3	0.75 19.0	1.50 38.1	2.7 69	2.88 73.2
75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	215 L 5.118 130	QFIULO-L-HT	ZALUL6-x-04LK	QFIUL7-x-LCHTE	4.13 105	2.04 51.8	1.29 32.7	.81 20.5	1.56 39.7	2.7 69	2.88 73.2
80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	216 M 5.511 140	QFIUMO-M-HT	ZALUM6-x-04LK	QFIUM7-x-LCHTE	4.7 120	2.26 57.4	1.51 38.4	.84 21.3	1.59 40.4	2.4 60	3.13 79.5

Profile of an Oven Poly-Round®
in a housing



View A (standard) View B

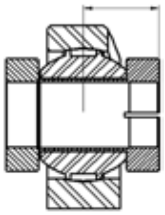
Poly-Round® OS Oven Series

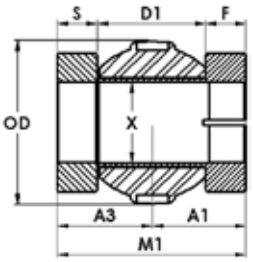
Additional width eliminates chance of metal-to-metal contact between housing and collars.
OS fixed and floating have longer length-thru-bore plus thrust margin-of-safety.

Fixed end sample p/n
QFIUC7-1-OSHTV

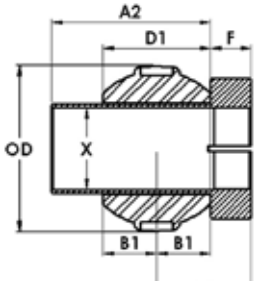
Expansion end sample p/n
QFIUC7-1-OSHTE

Profile of an OS Oven
Poly-Round®
in a housing





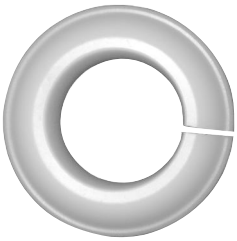
Fixed end



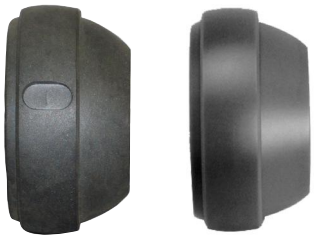
Expansion end

x = Shaft Diameter			Ring Size Industry EDT **OD** in **OD** mm	Components			Bearing Assembly Fixed End	K	S	F	L	D1	B1	A2	A1	A3	M1
				Poly-Round® insert	DoubleLock® sleeve Fixed End DoubleLock® sleeve Expansion End	Split collar (Fixed end only) V = single split W = double split	Bearing Assembly Expansion End										
mm	in	16ths						in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	203	QFIUAO-A-OS	ZALUA6-x-OS-LK	ZATVAO-x	QFIUA7O-x-OSHTV	1.49	.45	0.44	1.38	1.08	.54	1.73	.98	.99	1.97
15	9/16	9	A					38	11.4	11.2	35.1	2.74	13.9	43.9	24.9	25.1	50.0
17	5/8	10	1.575		ZALUA6-x-OS-04-LK	N/A	QFIUA7-x-OSHTE										
	11/16	11	40														
12	1/2	8	204	QFIUBO-B-OS	ZALUB6-x-OS-LK	ZATVBO-x	QFIUB7O-x-OSHTV	1.63	.5	0.50	1.57	1.20	.60	1.83	1.1	1.1	2.2
15	9/16	9	B					41	12.7	12.7	39.8	3.05	15.1	46.4	27.9	27.9	55.9
17	5/8	10	1.850		ZALUB6-x-OS-04-LK	N/A	QFIUB7-x-OSHTE										
20	11/16	11	47														
	3/4	12															
	13/16	13															
25	15/16	15															
	1	16															
	3/4	13	205	QFIUCO-C-OS	ZALUB6-x-OS-LK	ZATVCO-x	QFIUC7-x-OSHTV	1.75	.5	0.50	1.63	1.33	.66	1.95	1.16	1.16	2.32
	13/16	14	C					44	12.7	12.7	41.4	33.8	16.7	49.5	29.5	29.4	59.0
	7/8	15	2.047		ZALUC6-x-OS-04-LK	N/A	QFIUC7-x-OSHTE										
25	15/16	16	52														
	1	16															
	1	16	206	QFIUDO-D-OS	ZALUD6-x-OS-LK	ZATVDO-x	QFIUD7-x-OSHTV	2.00	.5	0.50	1.82	1.60	.80	2.23	1.3	1.3	2.6
	1-1/16	17	D					50	12.7	12.7	46.2	40.6	20.3	56.6	33.0	33.0	66.0
	1-1/8	18	2.441		ZALUD6-x-OS-04-LK	N/A	QFIUD7-x-OSHTE										
30	1-3/16	19	62														
	1-1/4	20															
	1-3/16	19	207	QFIUEO-E-OS	ZALUE6-x-OS-LK	ZATVEO-x	QFIUE7-x-OSHTV	2.25	.5	0.50	2.00	1.70	.85	2.33	1.35	1.35	2.7
	1-1/4	20	E					57	12.7	12.7	50.8	43.2	21.5	59.2	34.3	34.3	68.6
	1-5/16	21	2.835		ZALUE6-x-OS-04-LK	N/A	QFIUE7-x-OSHTE										
35	1-3/8	22	72														
	1-7/16	23															
	1-7/16	23	208	QFIUFO-F-OS	ZALUF6-x-OS-LK	ZATVFO-x	QFIUF7-x-OSHTV	2.38	.5	0.50	2.13	1.80	.90	2.43	1.40	1.4	2.8
	1-1/2	24	F					60	12.7	12.7	54.1	45.7	23.0	61.7	35.5	35.5	71.1
	1-9/16	25	3.150		ZALUF6-x-OS-04-LK	N/A	QFIUF7-x-OSHTE										
40	1-5/8	26	80														
	1-1/2	24	209	QFIUGO-G-OS	ZALUG6-x-OS-LK	ZATVGO-x	QFIUG7-x-OSHTV	2.75	.5	0.63	2.32	2.14	1.0	2.76	1.63	1.5	3.2
	1-5/8	26	G					70	12.7	15.9	58.9	54.4	25.4	70.1	41.4	38.1	81.3
	1-11/16	27	3.346		ZALUG6-x-OS-04-LK	N/A	QFIUG7-x-OSHTE										
45	1-3/4	28	85														
	1-11/16	27	210	QFIUHO-H-OS	ZALUH6-x-OS-LK	ZATVHO-x	QFIUH7-x-OSHTV	3.00	.67	0.63	2.32	2.14	1.0	2.76	1.63	1.67	3.3
	1-3/4	28	H					76	17.1	15.9	58.9	54.4	25.4	70.1	41.4	42.4	84.6
	1-13/16	29	3.543		ZALUH6-x-OS-04-LK	N/A	QFIUH7-x-OSHTE										
	1-7/8	30	90														
50	1-15/16	31															
	2	32															
	1-15/16	31	211	QFIUIO-I-OS	ZALUI6-x-OS-LK	ZATVIO-x	QFIUI7-x-OSHTV	3.25	.75	0.63	2.50	2.34	1.4	2.98	2.0	2.1	4.1
	2	32	I					83	19.1	15.9	63.6	59.7	35.3	75.7	50.8	54.6	10.41
	2-1/16	33	3.937		ZALUI6-x-OS-04-LK	N/A	QFIUI7-x-OSHTE										
	2-1/8	34	100														
55	2-3/16	35															
	2-1/4	36															
	2-3/16	35	212	QFIUJO-J-OS	ZALUJ6-x-OS-LK	ZATVJO-x	QFIUJ7-x-OSHTV	3.40	.75	0.63	2.75	2.70	1.3	3.33	1.9	2.1	3.0
	2-1/4	36	J					86	19.1	15.9	69.9	68.6	32.9	84.6	48.3	54.6	76.2
	2-5/16	37	4.331		ZALUJ6-x-OS-04-LK	N/A	QFIUJ7-x-OSHTE										
	2-3/8	38	110														
60	2-7/16	39															
	2-7/16	38	214	QFIUKO-K-OS	ZALUK6-x-OS-LK	ZATVKO-x	QFIUK7-x-OSHTV	3.80	.8	0.75	2.88	2.70	1.3	3.33	2.0	2.1	4.1
	2-1/2	40	K					96	20.3	19.1	73.2	68.6	32.9	84.6	50.8	54.6	104.1
	2-5/8	42	4.921		ZALUK6-x-OS-04-LK	N/A	QFIUK7-x-OSHTE										
	2-11/16	43	125														
70	2-3/4	44															
	2-11/16	43	215	QFIULO-L-OS	ZALUL6-x-OS-LK	ZATVLO-x	QFIUL7-x-OSHTV	4.13	.88	0.75	2.88	2.58	1.3	3.21	2.0	2.2	4.2
	2-3/4	44	L					105	22.3	19.1	73.2	65.5	32.9	81.5	50.8	55.9	106.7
	2-13/16	45	5.118		ZALUL6-x-OS-04-LK	N/A	QFIUL7-x-OSHTE										
	2-7/8	46	130														
75	2-15/16	47															
	3	48															
	2-15/16	47	216	QFIUMO-M-OS	ZALUM6-x-OS-LK	ZATWMO-x	QFIUM7-x-OSHTV	4.70	.88	0.75	3.13	3.05	1.5	3.65	2.2	2.4	4.6
	3	48	M					120	22.3	19.1	79.5	77.4	38.1	92.7	55.9	61.0	116.8
	3-1/8	50	5.511		ZALUM6-x-OS-04-LK	N/A	QFIUM7-x-OSHTE										
80	3-3/16	51	140														

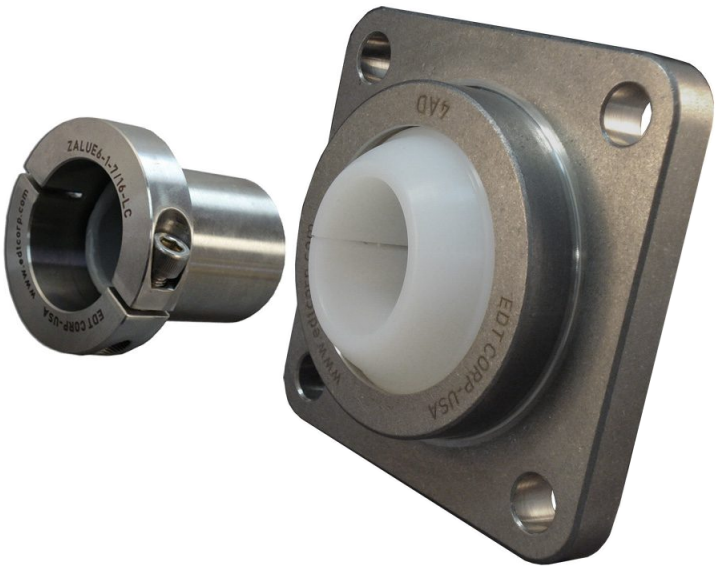
FREEZER BEARINGS



PAIU_O-xBC



QFIU_O-xB NAIU_O-xB



Self aligning polymer plane bearings eliminate problems of grease operating in low temperatures

Poly-Round® bearings have NO moving parts, therefore they require NO GREASE

EDT Poly-Round® bearings are ideal for low temperature operations like

- Spiral freezers
- Freezer input conveyors
- Ice makers, ice rakes
- Any equipment that has movement at temperatures below freezing (32ºF/0ºC) where standard lubricants do not operate well because of the low temperature

3 Bearing options: Which to choose?⅄

- For 32ºF to -40ºF use 'NA' freezer bearing NAIU_7-xB-LC
- For -40ºF to cryogenic use either
  a. Cut style 'PA' Poly-Round® PAIU_7-xBC-LC
     Most reliable performance when application is within PV paramaters✶
  b. 'QF' freezer bearing QFIU_7-xB-LC
     When PV design limit of the equipment is beyond 'PA'

⅄ Low temperature housing selection: KG polymer acceptable to -40ºF (Section D); lower temperature requires stainless (Section E).

✶ Low temperature installation may permit PV limits up to 2x higher than charted limits (page H-3).

Features of Poly-Round® spherical OD ('self-aligning') bearings

- No grease – eliminate problems associated with grease: viscosity, contamination, expense, labor
- Entire polymer unit is bearing (translates to longer usable life)
- Variety of polymer materials offer various properties; choose the optimum for the application
- Retrofit insert ball bearings (check operating conditions)
- Predictable wear allows planned maintenance rather than emergency replacement
- Ideal for HACCP and other maintenance programs: bearing construction is completely sanitary

Compare the
Cost of Ownership of a
Poly-Round® bearing
versus other alternatives

(See page H-10)

Double the life of Poly-Round® plane bearings by rotating the bearing

Usable life of EDT plane bearings can be directly correlated to the thickness of the polymer.

When the bearing is worn too far in one direction for proper operation... the insert can be flipped 180º

Fig 1

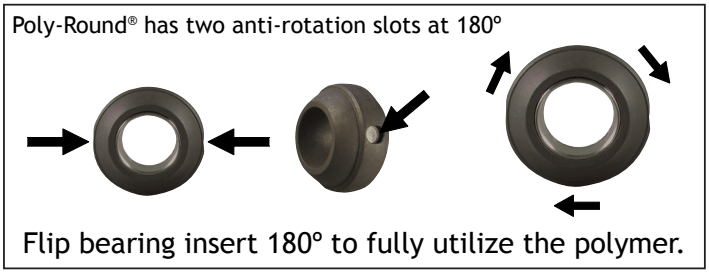


Fig 2

Poly-Round® bearings are ideal for tough applications where ball bearings don't perform as reliably as desired, such as:

- Sanitary – HACCP
- High or low temperature
- Wash-down or steam
- Exposure to processing liquids, chemicals
- Incomplete rotation or oscillating motion
- Submerged in liquids
- Locations difficult to regularly maintain
- Exposed to bulk solid contaminants

Applications where plane bearings are ***not*** recommended

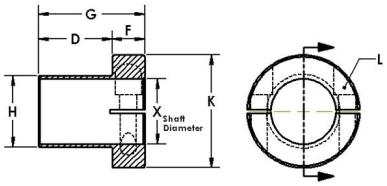
- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (unsupported shaft mounted gear reducers)
- Trunnion applications

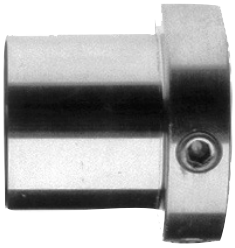
Applications where plane bearings are not suitable require ball bearings (see EDT catalog section K).

DoubleLock® and Setscrew Locking Sleeve

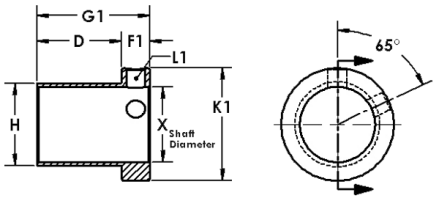
EDT locking sleeves extend life of plane bearings of any configuration

DoubleLock® Sleeve





Setscrew Locking Sleeve

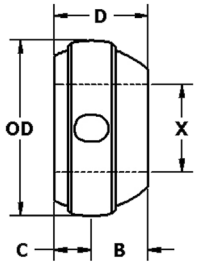


ZALU_6-04-x-04(LC) sleeve is 0.6" longer 'G' and 'G1' dimension

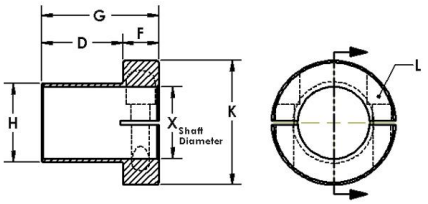
X= Shaft Size			H	D	DoubleLock® Sleeve						Setscrew Locking Sleeve					
						Wt.	G	F	K	L		Wt.	G1	F1	K1	L1
mm	in.	16ths	in. mm	in. mm	P/N Group (Ring)	in lbs.	in. mm	in. mm	in. mm	2 ea ss SHCS	P/N Group (Ring)	in lbs.	in. mm	in. mm	in. mm	2 ea SS set screw
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	0.78 20.0	0.91 23.2	**ZALUA6-x-LC** A (203)	.18	1.38 35.1	0.44 11.2	1.49 38	1/4-28	**ZALUA6-x** A (203)	.15	1.31 32	0.38 9	1.13 28	1/4-28
12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	0.90 23.2	1.04 26.3	**ZALUB6-x-LC** B (204)	.2	1.57 39.8	0.50 12.7	1.63 41	1/4-28	**ZALUB6-x** B (204)	.15	1.44 35	0.38 9	1.25 31	1/4-28
25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	1.09 27.9	1.10 27.9	**ZALUC6-x-LC** C (205)	.2	1.63 41.4	0.50 12.7	1.75 44	1/4-28	**ZALUC6-x** C (205)	.15	1.50 37	0.38 9	1.50 37	1/4-28
30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	1.34 34.3	1.29 32.7	**ZALUD6-x-LC** D (206)	.4	1.82 46.2	0.50 12.7	2.0 50	1/4-28	**ZALUD6-x** D (206)	.31	1.79 44	0.48 12	1.75 43	3/8-24
35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	1.53 39.1	1.47 37.3	**ZALUE6-x-LC** E (207)	.5	2.00 50.8	0.50 12.7	2.25 57	1/4-28	**ZALUE6-x** E (207)	.55	2.0 49	0.50 12	2.00 49	3/8-24
40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	1.71 43.8	1.60 40.6	**ZALUF6-x-LC** F (208)	.6	2.13 54.1	0.50 12.7	2.38 60	1/4-28	**ZALUF6-x** F (208)	.62	2.19 54	0.56 14	2.25 55	3/8-24
45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	1.87 47.5	1.66 42.2	**ZALUG6-x-LC** G (209)	.8	2.32 58.9	0.63 15.9	2.75 70	5/16-24	**ZALUG6-x** G (209)	.86	2.25 55	0.56 14	2.50 61	3/8-24
50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	2.09 53.3	1.66 42.2	**ZALUH6-x-LC** H (210)	1.1	2.32 58.9	0.63 15.9	3.0 76	5/16-24	**ZALUH6-x** H (210)	1.0	2.25 55	0.56 14	2.69 66	3/8-24
55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	2.34 59.7	1.85 47.0	**ZALUI6-x-LC** I (211)	1.3	2.50 63.6	0.63 15.9	3.25 83	5/16-24	**ZALUI6-x** I (211)	1.3	2.44 60	0.56 14	2.88 71	3/8-24
60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	31 32 33 34 35	2.53 64.5	1.44 36.5	**ZALUJ6-x-LC** J (212)	1.4	2.75 69.9	0.63 15.9	3.4 86	5/16-24	**ZALUJ6-x** J (212)	1.3	2.68 66	0.56 14	3.25 80	3/8-24
70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	2.84 72.4	2.10 53.3	**ZALUK6-x-LC** K (214)	2.2	2.88 73.2	0.75 19.1	3.8 96	3/8-24	**ZALUK6-x** K (214)	3.0	2.88 71	0.75 18	4.00 98	1/2-20
75	2-11/16 2-3/4 2-13/16 2-/8 2-15/16	43 44 45 46 47 48	3.14 79.8	2.10 53.3	**ZALUL6-x-LC** L (215)	2.3	2.88 73.2	0.75 19.1	4.13 105	3/8-24	**ZALUL6-x** L (215)	2.2	2.88 71	0.75 18	4.00 98	1/2-20
80	2-3/4 2-15/16 3 3-1/8 3-13/16	44 47 48 50 51	3.28 83.5	2.35 59.7	**ZALUM6-x-LC** M (216)	3.2	3.13 79.5	0.75 18	4.7 120	3/8-24	**ZALUM6-x** M (216)	3.0	3.16 77	0.75 18	4.50 110	1/2-20

Poly-Round® Freezer Bearings

Freezer Poly-Round® bearings are specially bored for low temp environments.
Mate with standard DoubleLock® sleeves to maximize bearing life.



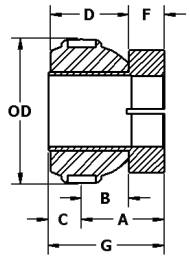
DoubleLock® Sleeve



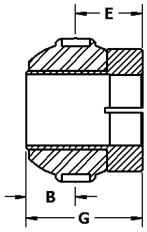
Low temp PA split	Low temp NA, QF	DoubleLock® Sleeve part #	x = Shaft Diameter mm	x = Shaft Diameter in	x = Shaft Diameter 16ths	Ring Size Industry EDT **OD** in inches **OD** in mm	K in mm	H in mm	D in mm	F in mm	G in mm	L 2 ea SHCS
PAIUAO-ABC	NAIUAO-AB QFIUAO-AB	ZALUA6-x-LC	12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	203 A 1.575 40	1.49 38	0.78 20.0	59/64 23.3	0.44 11.2	1.38 35.1	1/4-28
PAIUBO-BBC	NAIUBO-BB QFIUBO-BB	ZALUB6-x-LC	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	204 B 1.850 47	1.63 41	0.90 23.2	1-3/64 26.5	0.50 12.7	1.57 39.8	1/4-28
PAIUCO-CBC	NAIUCO-CB QFIUCO-CB	ZALUC6-x-LC	25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	205 C 2.047 52	1.75 44	1.09 27.9	1-7/64 28.1	0.50 12.7	1.63 41.4	1/4-28
PAIUDO-DBC	NAIUDO-DB QFIUDO-DB	ZALUD6-x-LC	30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	206 D 2.441 62	2.0 50	1.34 34.3	1-19/64 32.8	0.50 12.7	1.82 46.2	1/4-28
PAIUEO-EBC	NAIUEO-EB QFIUEO-EB	ZALUE6-x-LC	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	207 E 2.835 72	2.25 57	1.53 39.1	1-31/64 37.6	0.50 12.7	2.00 50.8	1/4-28
PAIUFO-FBC	NAIUFO-FB QFIUFO-FB	ZALUF6-x-LC	40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	208 F 3.150 80	2.38 60	1.71 43.8	1-39/64 40.8	0.50 12.7	2.13 54.1	1/4-28
PAIUGO-GBC	NAIUGO-GB QFIUGO-GB	ZALUG6-x-LC	45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	209 G 3.346 85	2.75 70	1.87 47.5	1-43/64 42.4	0.63 15.9	2.32 58.9	5/16-24
PAIUHO-HBC	NAIUHO-HB QFIUHO-HB	ZALUH6-x-LC	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	210 H 3.543 90	3.0 76	2.09 53.3	1-43/64 42.4	0.63 15.9	2.32 58.9	5/16-24
PAIUIO-IBC	NAIUIO-IB QFIUIO-IB	ZALUI6-x-LC	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	211 I 3.937 100	3.25 83	2.34 59.7	1-55/64 47.1	0.63 15.9	2.50 63.6	5/16-24
PAIUJO-JBC	NAIUJO-JB QFIUJO-JB	ZALUJ6-x-LC	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	212 J 4.331 110	3.4 86	2.53 64.5	2-3/32 53.3	0.63 15.9	2.75 69.9	5/16-24
PAIUAK-KBC	NAIUKO-KB QFIUKO-KB	ZALUK6-x-LC	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	214 K 4.921 125	3.8 96	2.84 72.4	2-7/64 53.5	0.75 19.1	2.88 73.2	3/8-24
PAIULO-LBC	NAIULO-LB QFIULO-LB	ZALUL6-x-LC	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	215 L 5.118 130	4.13 105	3.14 79.8	2-7/64 53.6	0.75 19.1	2.88 73.2	3/8-24
PAIUMO-MBC	NAIUMO-MB QFIUMO-MB	ZALUM6-x-LC	80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	216 M 5.511 140	4.7 120	3.28 83.5	2-11/32 59.7	0.75 19.1	3.13 79.5	3/8-24

Poly-Round® Freezer Bearing with DoubleLock® Sleeve

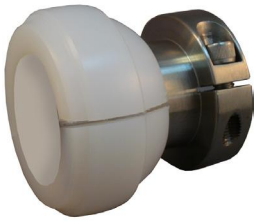
The assembly of freezer bearing and sleeve won't rust, and stays firmly located.



View A (standard)



View B

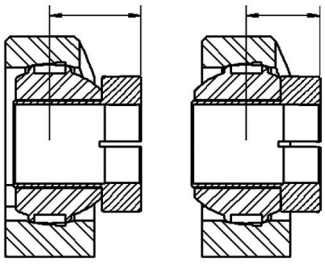


Sample p/n PAIUC7-1BC-LC

Sample p/n QFIUC7-1B-LC

Assembly Part #	x = Shaft Diameter mm	in	16ths	A in mm	E in mm	B in mm	C in mm	D in mm	F in mm	G in mm	Wt lbs
NAIUA7-xB-LC PAIUA7-xBC-LC QFIUA7-xB-LC	12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	1.04 26.4	0.75 19.1	0.60 15.2	0.34 8.7	0.91 23.2	0.44 11.2	1.38 35.1	.2
NAIUB7-xB-LC PAIUB7-xBC-LC QFIUB7-xC-LC	12 15 17 20	1/2 9/16 5/8 11/16 3/4 13/16	8 9 10 11 12 13	1.10 27.9	0.94 23.8	0.60 15.2	0.44 11.2	1.04 26.3	0.50 12.7	1.57 39.8	.3
NAIUC7-xB-LC PAIUC7-xBC-LC QFIUC7-xB-LC	25	3/4 13/16 7/8 15/16 1	12 13 14 15 16	1.16 29.5	0.94 23.8	0.66 16.8	0.47 11.9	1.10 27.9	0.50 12.7	1.63 41.4	.4
NAIUD7-xB-LC PAIUD7-xBC-LC QFIUD7-xB-LC	30	1 1-1/16 1-1/8 1-3/16 1-1/4	16 17 18 19 20	1.30 32.9	0.99 25.1	0.80 20.2	0.52 13.2	1.29 32.7	0.50 12.7	1.82 46.2	.6
NAIUE7-xB-LC PAIUE7-xBC-LC QFIUE7-xB-LC	35	1-3/16 1-1/4 1-5/16 1-3/8 1-7/16	19 20 21 22 23	1.47 37.3	1.00 25.4	0.97 24.6	0.53 13.5	1.47 37.3	0.50 12.7	2.00 50.8	.8
NAIUF7-xB-LC PAIUF7-xBC-LC QFIUF7-xB-LC	40	1-7/16 1-1/2 1-9/16 1-5/8	23 24 25 26	1.51 38.3	1.09 27.8	1.01 25.6	0.59 15.0	1.60 40.6	0.50 12.7	2.13 54.1	1.0
NAIUG7-xB-LC PAIUG7-xBC-LC QFIUG7-xB-LC	45	1-1/2 1-5/8 1-11/16 1-3/4	24 26 27 28	1.69 43.0	1.22 31.0	1.07 27.2	0.59 15.0	1.66 42.2	0.63 15.9	2.32 58.9	1.2
NAIUH7-xB-LC PAIUH7-xBC-LC QFIUH7-xB-LC	50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 31 32	1.69 43.0	1.22 31.0	1.07 27.2	0.60 15.2	1.66 42.2	0.63 15.9	2.32 58.9	1.3
NAIUI7-xB-LC PAIUI7-xBC-LC QFIUI7-xB-LC	55	1-15/16 2 2-1/16 2-1/8 2-3/16 2-1/4	31 32 33 34 35 36	1.85 47.0	1.25 31.8	1.22 31.1	0.62 15.8	1.85 47.0	0.63 15.9	2.50 63.6	1.8
NAIUJ7-xB-LC PAIUJ7-xBC-LC QFIUJ7-xB-LC	60	2-3/16 2-1/4 2-5/16 2-3/8 2-7/16	35 36 37 38 39	2.06 52.4	1.28 32.5	1.44 36.5	0.66 16.8	1.44 36.5	0.63 15.9	2.75 69.9	2.0
NAIUK7-xB-LC PAIUK7-xBC-LC QFIUK7-xB-LC	70	2-7/16 2-1/2 2-5/8 2-11/16 2-3/4	38 40 42 43 44	2.10 53.3	1.50 38.1	1.35 34.3	0.75 19.0	2.10 53.3	0.75 19.1	2.88 73.2	4.0
NAIUL7-xB-LC PAIUL7-xBC-LC QFIUL7-xB-LC	75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 47 48	2.04 51.8	1.56 39.7	1.29 32.7	.81 20.5	2.10 53.3	0.75 19.1	2.88 73.2	3.4
NAIUM7-xB-LC PAIUM7-xBC-LC QFIUM7-xB-LC	80	2-15/16 3 3-1/8 3-3/16	47 48 50 51	2.26 57.4	1.59 40.4	1.51 38.4	.84 21.3	2.35 59.7	0.75 19.1	3.13 79.5	4.2

Profile of a Freezer Poly-Round® in a housing



View A (standard)

View B

Look at the savings that can be realized by changing from ball bearings to EDT Poly-Round® bearings

COMPARE THE COSTS OF OWNERSHIP OF

EDT NA Poly-Round® Solution® Bearings

ON STRAIGHT RUN MODULAR PLASTIC OR WIRE BELT CONVEYORS

EDT bearings save money, time, and labor!

Cost of original bearing

(Non-corrosive ball bearing in polymer housing) over 1 year

Based on replacing bearing and housing every 6 months

Cost to purchase original bearing & housing

Average cost for 1" shaft size	$ 75.00

Cost to install original bearing

Labor (1 hour at $30/hr)	$ 30.00

Cost to lubricate bearing through 1 year

50¢/oz x 1 oz per week *(i.e. Lubriplate® LFG)*	$ 0.50
Labor (50¢ per min) x 1 min	+ 0.50
x 104 (2 times per week)	x 104
	$104.00

Cost to replace original bearing & housing

Cost of bearing & housing	$ 75.00
Labor (1 hour at $30/hr)	$ 30.00
x 1 (replace bearing every 6 months)	x 1
	$105.00

Year 1
Cost for 2 total change-outs **$314.00**

Cost of EDT NA Poly-Round® Solution®

(Poly-Round® polymer insert in polymer housing) over 1 year

Based on re-using housing and sleeve, and replacing only the insert every 12 months

Cost to purchase EDT bearing & housing

NA2GC7-1-LC (1" shaft DoubleLock® sleeve)	$140.00

Cost to install EDT bearing

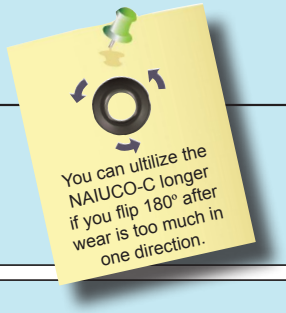
Labor (1 hour at $30/hr)	$ 30.00

Cost to lubricate EDT bearing

No lubricant needed	0

Cost to change out EDT components

No replacement needed in first year	0



Year 1
Cost of bearing assembly **$170.00**

Original bearing cost	$314.00	per bearing over 1 year
versus EDT bearing cost	$170.00	per bearing over 1 year
FIRST-YEAR SAVINGS	**$144.00**	**x 4** bearings per machine = **$576.00 savings**

Year 2
Cost of new bearing ($75x2), lubrication ($1x104) installation ($30x2), **$314.00**

Year 2
Replace insert (p/n NAIUCO-C $31), lubrication ($0), installation ($30) *Note: Re-use housing & sleeve* **$61.00**

Original bearing cost	$ 628.00	per bearing over 2 years	($314 + $314 = $628)
versus EDT bearing cost	$ 231.00	per bearing over 2 years	($170 + $61 = $231)
2-YEAR SAVINGS	**$ 397.00**	**x 4** bearings per machine =	**$1,588.00 savings**

Poly-Round® Solution® bearings are GUARANTEED for 12 months of zero maintenance life on modular plastic belt conveyors, wire belt conveyors, idler rolls, single pivot dumpers.

0511

EDT Part Numbering System

Revised 11/14

PLANE BEARINGS

NA 1 G E 7 - 20-LK

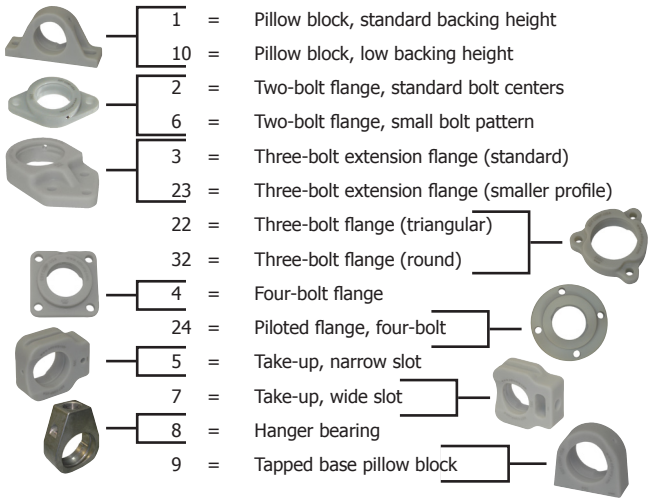
Material Indicator

Polymer: PA, AA, NA, OE, QF, QB, FA, MA, MY, MZ
Metals / metal treatments: ZA, ZF, ZN, ZQ, ZZ, Z4

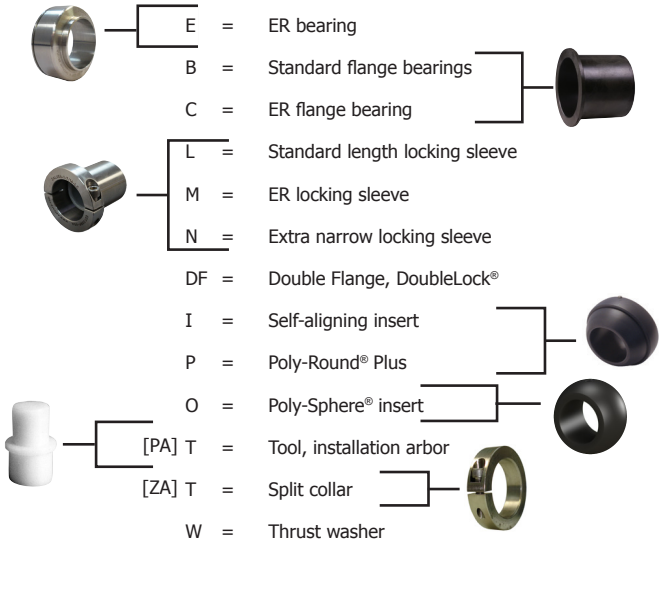
∗ Housing only indicated as '1GE' or '1GE-QK'. Prefix and suffix indentifies details of assembly or plane bearing components.

NA **1** G E 7 - 20-LK

Shape or Series



1	=	Pillow block, standard backing height
10	=	Pillow block, low backing height
2	=	Two-bolt flange, standard bolt centers
6	=	Two-bolt flange, small bolt pattern
3	=	Three-bolt extension flange (standard)
23	=	Three-bolt extension flange (smaller profile)
22	=	Three-bolt flange (triangular)
32	=	Three-bolt flange (round)
4	=	Four-bolt flange
24	=	Piloted flange, four-bolt
5	=	Take-up, narrow slot
7	=	Take-up, wide slot
8	=	Hanger bearing
9	=	Tapped base pillow block



E	=	ER bearing
B	=	Standard flange bearings
C	=	ER flange bearing
L	=	Standard length locking sleeve
M	=	ER locking sleeve
N	=	Extra narrow locking sleeve
DF	=	Double Flange, DoubleLock®
I	=	Self-aligning insert
P	=	Poly-Round® Plus
O	=	Poly-Sphere® insert
[PA] T	=	Tool, installation arbor
[ZA] T	=	Split collar
W	=	Thrust washer

NA 1 **G** E 7 - 20-LK

Housing or Non-Housing Style

∗Full housing P/N - 3 digits (Ex: 1GE)

NON-HOUSING

U	=	Non-housing product
V	=	Single split collar
W	=	Double split collar
B	=	Polymer block bearing (straight bore)
L	=	Stainless steel split flangette housing
O	=	Poly-Sphere® bearing

HOUSING

G	=	EDT "KG" cast polymer housing (spherical ID)
A	=	Stainless housing (spherical ID)
E	=	Type E housing
F	=	Mild steel housing (spherical ID)
P	=	Stainless steel cast housing

OPTIONAL HOUSING MODIFIER

-CB	=	Cap, blind
-CT	=	Cap, thru
-0_	=	Housing modification
-QK	=	QuiKlean®
-Q	=	Square bolt holes
-SM	=	Wider spherical radius

EX: QF 1 A E - **QK** 7 - 20 - LK

NA 1 G **E** 7 - 20-LK

Group Size

Dimensional interchange

RING SIZE	EDT GROUP	SPHERICAL OD
203	A	1.575" / 40 mm
204	B	1.850" / 47 mm
205	C	2.047" / 52 mm
206	D	2.441" / 62 mm
207	E	2.835" / 72 mm
208	F	3.150" / 80 mm
209	G	3.346" / 85 mm
210	H	3.543" / 90 mm
211	I	3.937" / 100 mm
212	J	4.331" / 110 mm

RING SIZE	EDT GROUP	SPHERICAL OD
213	Z	4.724" / 120 mm
214	K	4.921" / 125 mm
215	L	5.128" / 130 mm
216	M	5.511" / 140 mm
217	N	5.905" / 150 mm
218	O	6.299" / 160 mm
219	P	6.693" / 170 mm
220	Q	7.480" / 190 mm
221	R	7.874" / 200 mm

EDT GROUP	TYPE E OD's	ID
01	65mm OD x	1.35 ID
02	72mm OD x	1.54 ID
03	85mm OD x	1.87 ID
04	90mm OD x	2.10 ID
05	100mm OD x	2.35 ID
06	120mm OD x	2.65 ID
07	125mm OD x	3.14 ID
08	145mm OD x	3.70 ID
09	175mm OD x	4.20 ID
10	195mm OD x	4.70 ID
11	212mm OD x	5.20 ID

NA 1 G E **7** - 20-LK

Modifier

O	=	Standard part
C	=	Custom part
H	=	Hardened steel
M	=	Mild steel
Q	=	Square bolt hole
T	=	Split
6	=	316 Stainless steel components
2	=	Poly-Round® Plus with Double Flange DoubleLock® sleeve
3	=	Poly-Round® narrow, no locking sleeve (with or without housing)
4	=	Poly-Round® narrow and locking sleeve (with or without housing)
5	=	Poly-Round® in housing (no locking sleeve)
7	=	Poly-Round® with locking sleeve (with or without housing)
8	=	Ball bearing in housing
9	=	ALL-ROUND® Supreme bearing (with or without housing)
P	=	Poly-Round® Plus assembly

NA 1 G E 7 - **20-LK**

Shaft/ID Size

(indicated as "x" in the catalog)

Inches in 16th's (Ex: 1-1/4" = 20/16 → 20)
OR
Fractions (Ex: 1-1/4")

Metric with "M" or "mm" suffix
(Ex: 20M **OR** 20mm)

OPTIONAL MODIFIER (EX: QF 1 A E - QK 7 - 20 - **LK**)

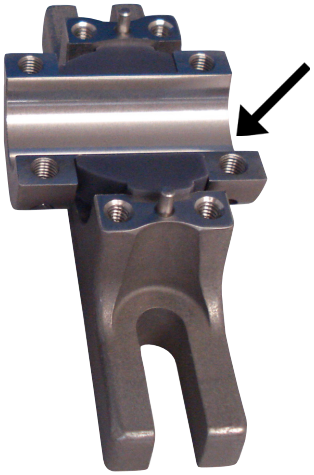
-04	=	0.6 Longer locking sleeve
-04-LK	=	0.6 Longer sleeve, DoubleLock®
-LK	=	KleenCap® DoubleLock®
-LC	=	DoubleLock® (Obsolete, now LK or MC)
-MC	=	DoubleLock®
-HT	=	High temperature
-HTV	=	High temp, fixed end
-HTE	=	High temp, expansion end
-OS	=	Oven series

EX: 4Y1GE8-20GX
4Y205-16GX

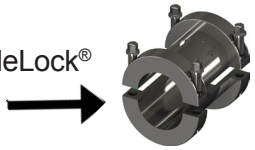
BALL BEARINGS

Ball Bearing Material		Ball Bearing Style		BB Ring Size OR Housing		Modifier		-	Shaft	Lubricant		Modifier	
4	400 stainless	Y	set-screw (also B)	For inserts - refer to **Group Size** section above		Blank if bearing only Not an assembly			size in 16ths	Grease	G - Food grade Y - High temp food grade	X	Standard
3	300 stainless	U	wide eccentric (also A)	*For assemblies - use 3-digit Housing part number		8	mounted; ball bearing in housing			Solid lube - polymer	F - Food grade (-55° to 200°) J, B, P - Miscellaneous food grades C - Food grade non-corrosive K, R - High temperature E, D - Industrial grades	Z	Shield
5	NC steel	E	narrow eccentric	Example:								O	Open
6	52100 steel	0	unmounted	205	group / ring size							B	Bare
7	alloy	F	flanged unmounted	1GE	housing style					Solid lube - graphite	W, M, T, V - Various temperature ranges	V	Vacuum grade
												SM	Wider unit

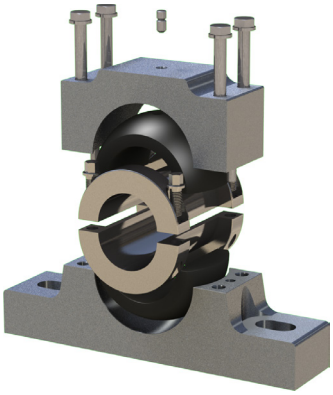
EDT Split bearing assembly part numbers



A split locking sleeve has two (2) DoubleLock® collars in order to stay round.



A standard Poly-Round® insert does not space the two collars far enough outside of the stainless housing to allow full wear of a Poly-Round® bearing (longevity due to a thick bearing wall is one of the advantages of Poly-Round® bearings.



To remedy this, split housings must be mated with a symmetrical style of Poly-Round®, designated as 'OS.' An OS Poly-Round® allows a thrust surface on both sides of the housing that, even with significant wear over time, should not intersect the housing.

In all split assembly part numbers, it is necessary to indicate with 'T' which component(s) are spliT

- Housing p/n is #AC-SPLIT
- Insert is _ _IUCT-C-OS
- Locking sleeve is ZALUCT-16-OS (or ZALUCT-16-OS-04 if extra length is needed for shaft expansion)

Examples of Part Numbering options

QF2ACT7T-16T	Indicates housing, insert, and locking sleeve are split
QF2ACT7T-16	Indicates housing and insert are split, but locking sleeve is 1-piece
QF2ACT7-16	Indicates split housing with 1-piece insert and 1 piece set-screw locking sleeve
NA2ACT5T-16	Indicates ss split 2-bolt with split Poly-Round® and no sleeve (5 assembly) for 1" shaft

Assembly considerations

- You can have a split housing with a 1-piece or split Poly-Round®
- You can have a split Poly-Round® with a 1-piece or split sleeve
- You can NOT have a split sleeve without having a split housing and split bearing
- You MUST have a split housing and a split bearing in order to use a split sleeve
  - You can NOT use a split sleeve with a 1-piece Poly-Round®
  - You can NOT use a split Poly-Round® with a 1-piece housing
- You can use a split Poly-Round® without a locking sleeve (…5T), but the shaft material and surface finish MAY compromise the longevity of the Poly-Round® (won't be as long lived as running with a sleeve). Operating without a locking sleeve is not a Poly-Round® failure and therefore not an EDT warranty issue.

Note: For high load applications: choose Poly-Sphere® bearings instead of Poly-Round® inserts. Poly-Sphere® maximizes load capacity of the polymer because the OD is almost entirely supported by the stainless housing, versus the OS style where only the major OD is supported by the housing.

EDT Ball Bearing Part Numbering System

Ball Bearing Material		Ball Bearing Style		Bearing or Housing Size		Modifier		Shaft	Lubricant*			Modifier	
4	400 stainless	Y	Set screw	Examples:		Blank	Bearing only (not assembly)	Size in 16ths	G	Food grade	Grease	X	Standard
3	300 stainless	U	Wide eccentric (also A)	205	Ring size				F	Food grade (-55° to 200°F)	EPL†	Z	Shield
5	NC steel	E	Narrow eccentric	1GE	Housing group	8	Mounted ball bearing in housing		J,B,P	Other food grade designations	EPL†	O	Open
6	52100 steel	0	Unmounted	(Refer to charts below)					C	Food grade non-corrosive	EPL†	SM	Wider unit
7	Alloy	F	Flanged unmounted						K	Food grade hi temp (-25° to 350°F)	EPL†		
		B	Set screw, commodity						E	Industrial grades	EPL†		
		A	Wide eccentric, commodity						W	Temp -250° to +250°F (vacuum grades available, "V")	EGL‡		
									M	Temp +40° to +450°F (vacuum grades available, "V")	EGL‡		
									T	Temp +50° to +650°F (vacuum grades available, "V")	EGL‡		

*Lubricants listed as food grade are designated H1

†EPL: EDT polymer lube ‡EGL: EDT graphite lube

For more information about EDT solid lubricants see the next page.

Housing Shape / Profile Indicators

Indicators	Housing styles
1	Pillow block
2	2-Bolt flange
3	3-Bolt, extension
4	4-Bolt
5	Take-up, narrow
6	2-Bolt flange, small bolt pattern
7	Take-up, wide
8	Hanger
9	Tapped base pillow block
10	Pillow block, low backing height
22	3-Bolt, triangular
23	3-Bolt, extension, smaller profile
24	4-Bolt, piloted
32	3-Bolt, round

Housing Material Indicators

Indicators	Housing material
G	Polymer; EDT "KG"
A	Stainless 304/316
F	Cast iron
P	Cast stainless
E	Type E stainless

Group / Size Indicators

Ball Bearing Ring Size	Spherical Size: Ball Bearing OD Housing ID	EDT Group Size
201, 202, 203	1.575" / 40mm	A
204	1.850" / 47mm	B
205	2.047" / 52mm	C
206	2.441" / 62mm	D
207	2.835" / 72mm	E
208	3.150" / 80mm	F
209	3.346" / 85mm	G
210	3.543" / 90mm	H
211	3.937" / 100mm	I
212	4.331" / 110mm	J
214	4.921" / 125mm	K
215	5.128" / 130mm	L

Additional Sizes (not available in SS)

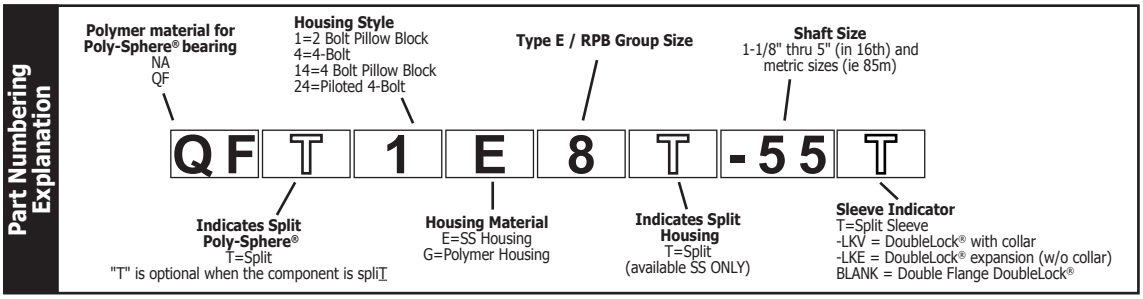
Ring Size	Spherical OD	EDT Group Size
213	4.724" / 120mm	Z
216	5.511" / 140mm	M
217	5.905" / 150mm	N
218	6.299" / 160mm	O
219	6.693" / 170mm	P
220	7.480" / 190mm	Q
221	7.874" / 200mm	R

Radial Poly-Round® Part Numbering Guide

O E	6200	_____	RPR	Part Number Examples
Material identifier Ref: Material Selection Chart (See chart above)	Industry part #	Any modifier (EDT assign)	Radial Poly-Round®	OE6200RPR OEF691/6RPR QFR6-2RPR

FOR MORE INFORMATION, REFER TO THE UNMOUNTED RADIAL BEARINGS CATALOG SECTION

Type E and RPB Part Numbering Guide



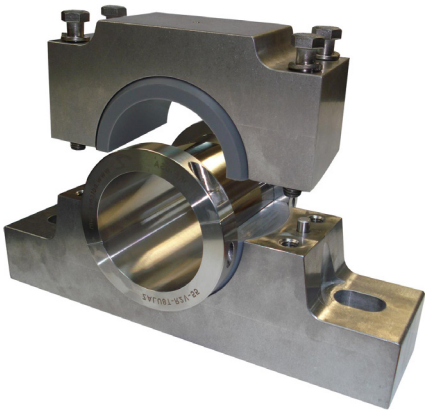
FOR MORE INFORMATION, REFER TO THE TYPE E CATALOG SECTION

EDT Solid Lubricants

EDT Solid Lube PN Indicator	Food-Grade Solid Lubricant Type	'Food grade' lubricants are rated H-1 (incidental food contact)	Color	Operating Temperature
F	EPL	Food grade oil- permeated polymer solid lube utilizing high performance synthetic lubricants. Formulated to withstand and inhibit corrosion in most food-processing environments that involve moisture and wash-down, performs equally well in similar industrial applications. Low temp to -55°F (-48°C).	white	-55°F to 200°F (-48°C to 93°C)
B	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Same kinds of food-processing and industrial applications as F lube (withstand moisture, corrosion inhibitors) with low temp to -65°F (-54°C)	white	-65°F to 200°F (-54°C to 93°C)
K	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Moisture resistance and corrosion inhibitors like F lube, with the ability to operate in high temps to 350°F (176°C)	white	-25°F to 350°F (-32°C to 176°C)
C	EPL	Food grade oil-permeated polymer solid lubricant utilizing high performance synthetic lubricants. Designed to resist moisture, with more aggressive resistance to cleaners including strong oxidizers (elements that are high pH.) High temp stability to 350°F (176°C)	white	-33°F to 350°F (-36°C to 176°C)
W	EGL	Food grade graphite-based solid lube resistance to most chemicals (wide pH range, except extreme pH.) Unaffected by moisture, radiation and UV resistant. Wide temperature range -150°F to 250°F. Low friction. Inert nature of graphite can be useful in wide range of applications. EGL is brittle and impact may accelerate loss of the lube. Vacuum grade available: WV.	black	-150°F to 250°F (-101°C to 121°C)
M	EGL	Food grade graphite based solid lubricant designed to operate within the range of most high temperature processing applications, from 250°F to 450°F including submerged in oil & other liquids, in ovens and fryers. UV- and radiation- resistant. Low friction. Hardness of lube can be advantageous with abrasion. EGLs are brittle, M is more brittle than W. Vacuum grade available: MV.	black	250°F to 450°F (121°C to 232°C)
T	EGL	Food grade graphite based solid lubricant designed to operate within the range of industrial- and some food- processing applications, from 450°F to 650°F; intermittently to 900°F is feasible. Abrasion-, radiation- and UV- resistant. Low friction. EGLs are brittle, T more brittle than M. Vacuum grade available: TV.	black	450°F to 650°F (232°C to 343°C)

Note: solid lubricants reduce the maximum speed and load capacity of bearings

TYPE E AND RPB SOLUTION® BEARINGS



Retrofit tapered roller bearings are non-corrosive with Zero Grease! Zero Rust!

- Operate reliably in severe conditions which prematurely fail standard tapered roller bearings
- Stainless and polymer plane bearings and housings are grease-less, non-corrosive, and non-contaminating
- Same mechanical advantages as tapered roller bearings:
  - Capacity to carry heavy radial loads
  - Capacity to handle thrust loads
  - Capacity for combined radial and thrust loads
- Cost effective:
  - Stainless housing can be a one time purchase, re-use many times
  - Poly-Sphere® bearing is the one replaceable component
- Support HACCP/HARPC compliance

EDT Type E + RPB bearings will not replace tapered roller bearings in all applications.
Check with EDT for applicability in your installation.

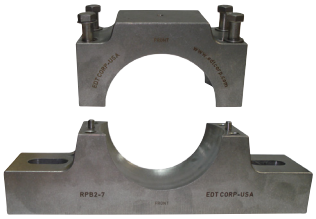
For design assistance, complete a
Bearing Design Checklist (BDC)
edtcorp.com/docs/bearing-design-checklist.pdf

EDT Type E and RPB Solution® Bearings

Heavy duty plane bearing in non-corrosive housing eliminates rolling elements, lubrication, and seals

Solution® Housing is non-corrosive; a one-time investment

- Pillow blocks, 4-bolts & piloted 4-bolts available. one-piece (Type E) and split (RPB) styles
- 304-stainless steel or EDT 'KG' polymer
- Resistant to moisture and many chemicals
- Manufactured with smooth surfaces for maximum cleanability
- Save money by reusing housings through multiple bearing change-outs

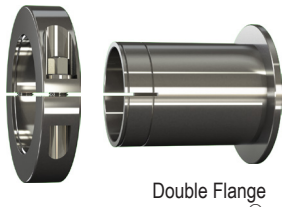


Polymer bearing is the replaceable component

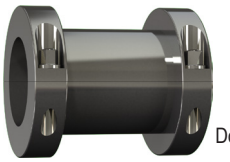
- RPB Poly-Sphere® insert is the wear component: when insert wear is too deep in one direction, the Poly-Sphere® can be rotated 180° to utilize the opposite half. Eventually, replace just the insert, reusing the housing and locking sleeve
- Poly-Sphere® plane bearing available in different polymers depending on the application
  - 'QF' material (black)
    - Maximum speed and load capacity of plane bearing options
    - Unaffected by most chemicals at less than 400°F operating temperature
    - Capable cryogenic to 500°F / 260°C
  - 'NA' material (gray)
    - Lower speed and load capacity than 'QF' material plane bearings
    - Versatile, non-contaminating
    - Capable -40°F / -40°C to 200°F / 93°C
- Split inserts available to mate with split housings

Locking sleeve protects the shaft and secures the journal

- All sleeves have split-collars (EDT DoubleLock®) for maximum clamping around the shaft
- All sleeves utilize EDT KleanCap® screws that are more sanitary than socket head screws
- Innovative Double Flange DoubleLock® sleeve restricts lateral movement of the shaft
- Option of split sleeve to use with split insert in a split housing



Double Flange
DoubleLock®



Split
DoubleLock®

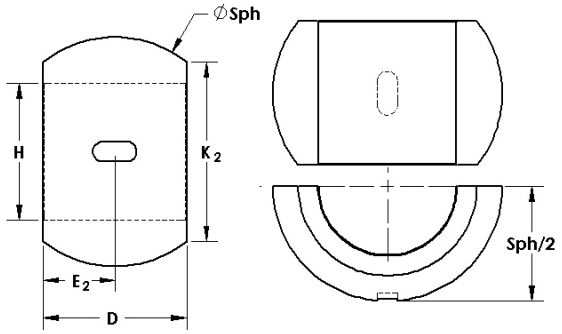
Type E Solution® can retrofit into locations where tapered roller bearings operate in severe service environments, such as:

- Screw conveyors
- Bright Coop dumpers
- Blenders
- Waste water filter belts
- Dumper applications
- Chillers
- Ovens
- Freezers
- Large conveyors in beef plants
- Blood cooker
- Hide pullers
- Rendering
- Gut augers
- Offal conveyors
- Blanchers

1 Piece
DoubleLock®

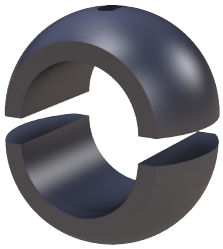
Type E / RPB Poly-Sphere® Bearings

QF or NA Poly-Sphere® bearing depending on application



Note: You must use a split Poly-Sphere® with a split sleeve

Type E Poly-Sphere®
(NAOU01O-RPB)



RPB Poly-Sphere®
(NAOU01T-RPB)

x = shaft diameter			EDT RPB Group	Poly-Sphere®		Insert wt.	Ø Sph	E2	D	K2	H	Mounted Type E Max Load
in	mm	16th	mm ØSph	Standard	Split	lbs	in mm	in mm	in mm	in mm	in mm	lbs newton
1-1/8		18	1	QFOU01O-RPB NAOU01O-RPB	QFOU01T-RPB NAOU01T-RPB	0.3	2.56 65	0.86 21.8	1.72 43.7	1.9 48.3	1.35 34.3	2,980 13,260
1-3/16		19										
1-1/4		20	65									
	35		2	QFOU02O-RPB NAOU02O-RPB	QFOU02T-RPB NAOU02T-RPB	0.4	2.83 72	0.98 24.9	1.97 50	2 50.8	1.54 39.1	4,760 21,180
1-3/8		22										
1-7/16		23	72									
1-1/2		24	3	QFOU03O-RPB NAOU03O-RPB	QFOU03T-RPB NAOU03T-RPB	0.6	3.35 85	1.05 26.7	2.1 53.3	2.6 66	1.87 47.5	6,140 27,320
	40											
1-5/8		26	85									
1-11/16		27										
1-3/4		28	4	QFOU04O-RPB NAOU04O-RPB	QFOU04T-RPB NAOU04T-RPB	0.6	3.54 90	1.11 28.2	2.22 56.4	2.8 71.1	2.1 53.3	8,070 35,908
1-7/8		30										
1-15/16		31										
	50		90									
2		32										
	55		5	QFOU05O-RPB NAOU05O-RPB	QFOU05T-RPB NAOU05T-RPB	0.8	3.94 100	1.23 31.2	2.47 62.7	3.1 78.7	2.35 59.7	8,550 38,044
2-3/16		35										
2-1/4		36	100									
2-1/4		36	6	QFOU06O-RPB NAOU06O-RPB	QFOU06T-RPB NAOU06T-RPB	1.1	4.72 120	1.23 31.2	2.47 62.7	3.6 91.4	2.85 72.4	9,090 40,447
	60											
2-3/8		38	120									
2-7/16		39										
2-1/2		40										
2-11/16		43	7	QFOU07O-RPB NAOU07O-RPB	QFOU07T-RPB NAOU07T-RPB	1.5	4.92 125	1.48 37.6	2.97 75.4	3.9 99.1	3.14 79.8	9,600 42,716
2-3/4		44										
	70		125									
2-15/16		47										
	75											
3		48										
	80		8	QFOU08O-RPB NAOU08O-RPB	QFOU08T-RPB NAOU08T-RPB	2.2	5.71 145	1.73 43.9	3.47 88.1	4.5 114.3	3.7 94	15,300 68,078
3-3/16		51										
3-1/4		52	145									
	85											
3-7/16		55										
3-1/2		56										
	90											
3-11/16		59	9	QFOU09O-RPB NAOU09O-RPB	QFOU09T-RPB NAOU09T-RPB	4.6	6.89 175	2.36 59.9	4.72 119.9	5 127	4.2 106.7	21,000 93,400
	100											
3-15/16		63	175									
4		64										
	110		10	QFOU10O-RPB NAOU10O-RPB	QFOU10T-RPB NAOU10T-RPB	6.3	7.68 195	2.61 66.3	5.22 132.6	5.6 142.2	4.7 119.4	25,800 114,780
4-7/16		71										
4-1/2		72	195									
4-15/16		79	11	QFOU11O-RPB NAOU11O-RPB	QFOU11T-RPB NAOU11T-RPB	6.2	8.35 212	2.86 72.6	5.72 145.3	6.1 154.9	5.2 132.1	35,500 157,950
5		80	212									

Poly-Sphere® plane bearing available in different polymers depending on the application

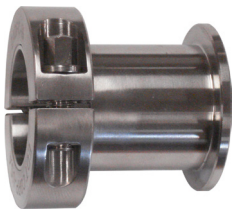
- 'QF' material (black)
  - Maximum speed and load capacity of plane bearing options
  - Unaffected by most chemicals at less than 400°F operating temperature
  - Capable cryogenic to 500°F / 260°C
- 'NA' material (gray)
  - Lower speed and load capacity than 'QF' material plane bearings
  - Versatile, non-contaminating
  - Capable -40°F / -40°C to 200°F / 93°C

Poly-Sphere® insert reuse

When wear is too much in one direction, rotate QFOU01_O-RPB 180° and reuse.

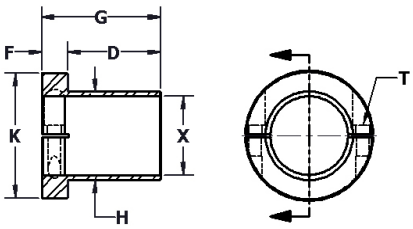
For design assistance, complete a **Bearing Design Checklist (BDC)** **edtcorp.com/docs/bearing-design-checklist.pdf**

316 Stainless DoubleLock® Sleeves

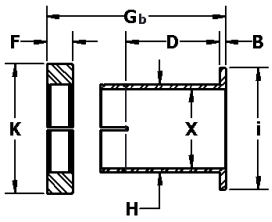


Sample p/n ZADF04-32

Sample p/n ZALU36-26



1 piece sleeve
Options: Add collar for fixed end
Add +.6 length for expansion



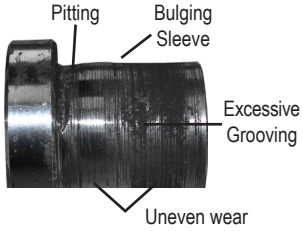
Double Flange DoubleLock®
for thrust and reversing motion

x = shaft diameter			EDT RPB Group	DoubleLock®	Wt	K	F	i	B	D	G	Gb	H	T	Corresponding Poly-Sphere®
				Double Flange											
in	mm	16th	mm ØSph	1-piece	lbs	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	Standard
1-1/8		18	1	ZADF01-x	0.5	2.0	0.5	1.9	0.1	1.89	2.25	2.35	1.35	1/4-28	QFOU01O-RPB
1-3/16		19		ZALU16-x		51.0	12.7	48.3	2.5	48	57.2	59.7	34.3		NAOU01O-RPB
1-1/4		20	65												
	35		2	ZADF02-x	0.6	2.2	0.5	2	0.1	2	2.5	2.6	1.54	1/4-28	QFOU02O-RPB
1-3/8		22		ZALU26-x		56.6	12.7	50.8	2.5	50.8	63.5	66	39.1		NAOU02O-RPB
1-7/16		23	72												
1-1/2		24	3	ZADF03-x	1.5	2.7	0.63	2.5	0.1	2.14	2.75	2.86	1.87	5/16-24	QFOU03O-RPB
	40			ZALU36-x		68.6	16	63.5	2.5	54.4	69.9	72.6	47.5		NAOU03O-RPB
1-5/8		26	85												
1-11/16		27													
1-3/4		28	4	ZADF04-x	1.7	3.0	0.63	2.9	0.15	2.31	2.88	3.03	2.1	5/16-24	QFOU04O-RPB
1-7/8		30		ZALU46-x		76.2	16	73.7	3.8	58.7	73.2	77	53.3		NAOU04O-RPB
1-15/16		31	90												
	50														
2		32													
	55		5	ZADF05-x	1.4	3.2	0.63	3	0.15	2.5	3.13	3.28	2.35	5/16-24	QFOU05O-RPB
2-3/16		35		ZALU56-x		81.3	16	76.2	3.8	63.5	79.5	83.3	59.7		NAOU05O-RPB
2-1/4		36	100												
2-1/4		36	6	ZADF06-x	2.1	3.9	0.75	3.5	0.18	2.5	3.25	3.43	2.65	3/8-24	QFOU06O-RPB
	60			ZALU66-x		99.1	19.1	88.9	4.6	63.5	82.6	87.1	67.3		NAOU06O-RPB
2-3/8		38	120												
2-7/16		39													
2-1/2		40													
2-11/16		43	7	ZADF07-x	3.9	4.2	0.75	4	0.18	3	3.75	3.93	3.14	3/8-24	QFOU07O-RPB
2-3/4		44		ZALU76-x		106.7	19.1	101.6	4.6	76.2	95.3	99.8	79.8		NAOU07O-RPB
	70		125												
2-15/16		47													
	75														
3		48													
	80		8	ZADF08-x	5.4	4.9	0.75	4.5	0.18	3.5	4.25	4.43	3.7	3/8-24	QFOU08O-RPB
3-3/16		51		ZALU86-x		124.5	19.1	114.3	4.6	88.9	108	112.5	94		NAOU08O-RPB
3-1/4		52	145												
	85														
3-7/16		55													
3-1/2		56													
	90														
3-11/16	100	59	9	ZADF09-x	6.5	5.2	0.75	5	0.18	4.75	5.5	5.7	4.2	3/8-24	QFOU09O-RPB
3-15/16		63		ZALU96-x		132.1	19.1	127	4.6	120.7	139.7	144.8	106.7		NAOU09O-RPB
4		64	175												
	110		10	ZADF10-x	7.6	6	0.75	5.5	0.18	5.25	6	6.2	4.7	1/2-20	QFOU10O-RPB
4-7/16		71		ZALU106-x		152.4	19.1	139.7	4.6	133.4	152.4	157.5	119.4		NAOU10O-RPB
4-1/2		72	195												
4-15/16		79	11	ZADF11-x	8.5	6.5	0.75	6	0.18	5.75	6.5	6.96	5.2	1/2-20	QFOU11O-RPB
5		80	212	ZALU116-x		165.1	19.1	152.4	4.6	146.1	165.1	176.8	132.1		NAOU11O-RPB

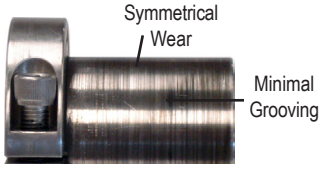
Tolerance of shafting to run inside a Double Flange DoubleLock® sleeve
1-3/16" – 3-1/2" nominal to +.0005" to -.001"
3-11/16" – 5" nominal to +.001" to -002"

When changing out a Poly-Sphere® bearing, you may be able to reuse the locking sleeve.
Evaluate sleeve for wear, and replace it only when necessary.

Replace



Reuse

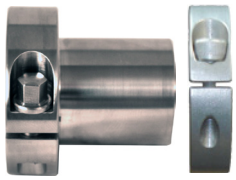


Type E Solution® assemblies include EDT KleanCap® screws

Part Number	Type E Group range	Size	Tooling required	Recommend tightening torque
KCS1/4-28	Group 1-2	1/4 - 28 x 5/8"	1/4" thin walled deep socket	110 inch-pounds
KCS516-24	Group 3-5	5/16 - 24-x 5/8"	5/16" thin walled deep socket	200 inch-pounds
KCS3/8-24	Group 6-9	3/8 - 24-x 1"	3/8" thin walled deep socket	350 inch-pounds
KCS1/2-20	Group 10-11	1/2 - 20-x 1-1/4"	1/2" thin walled deep socket	350 inch-pounds

316 Stainless DoubleLock® Sleeves

Split components indicated in italic



Sample p/n ZALU46-32 } ZALU46-32-LKV
ZATVHO-32

1 piece sleeve
Options: Add collar for fixed end
Add +.6 length for expansion

Fixed End Locking Sleeve

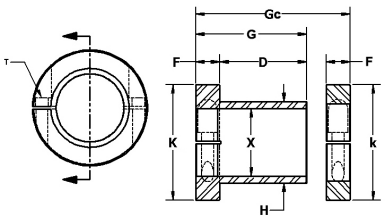
Rely on this combination for shaft sizes that are not available in Double Flange DoubleLock® (pg 5)

(Indicate with "-LKV" at end of part number)

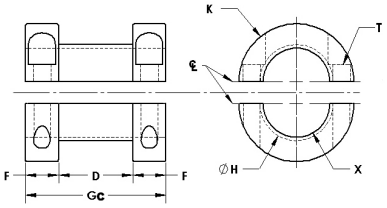
*** Expansion Sleeve Available**

Expansion sleeve is .6" longer. Omit Split Collar

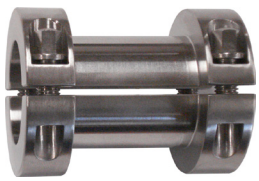
(Indicate with "-04" suffix to sleeve part number)



Note: You must use a split Poly-Sphere® with a split sleeve



Split Sleeve



Sample p/n *ZALU4T-32*

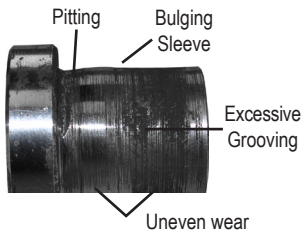
x = shaft diameter			EDT RPB Group	Sleeve P/N	Wt	Split Collar	Wt	K	F	D*	H	G	*Gc*	T	Corresponding Poly-Sphere® P/N	
				1-Piece												
in	mm	16th	mm ØSph	*Split*	lbs.	V=Single Split W=Double Split	lbs.	in mm	in mm	in mm	in mm	in mm	*in mm*	Bolt Size	1-Piece	*Split*
1-1/8		18	1	ZALU16-x	.4	ZATVDO-18	.3	2	0.5	1.75	1.35	2.25	*2.8*	1/4-28	QFOU01O-RPB	*QFOU01T-RPB*
1-3/16		19				ZATVDO-19		50.8	12.7	44.5	34.3	57.2	*71.1*		NAOU01O-RPB	*NAOU01T-RPB*
1-1/4		20	65	*ZALU1T-x*		ZATVDO-20										
	35		2	ZALU26-x	.5	ZATVEO-35m	.4	2.2	0.5	2	1.54	2.5	*3*	1/4-28	QFOU02O-RPB	*QFOU02T-RPB*
1-3/8		22				ZATVEO-22		55.9	12.7	50.8	39.1	63.5	*76.2*		NAOU02O-RPB	*NAOU02T-RPB*
1-7/16		23	72	*ZALU2T-x*		ZATVEO-23										
1-1/2		24	3	ZALU36-x	.7	ZATVFO-24	.4	2.7	0.63	2.14	1.87	2.75	*3.4*	5/16-24	QFOU03O-RPB	*QFOU03T-RPB*
	40					ZATVFO-40m		68.6	16	54.4	47.5	69.9	*86.4*		NAOU03O-RPB	*NAOU03T-RPB*
1-5/8		26				ZATVFO-26										
1-11/16		27	85	*ZALU3T-x*		ZATVGO-27										
1-3/4		28	4	ZALU46-x	1.2	ZATVGO-28	.7	3	0.63	2.25	2.1	2.88	*3.5*	5/16-24	QFOU04O-RPB	*QFOU04T-RPB*
1-7/8		30				ZATVGO-30		76.2	16	57.2	53.3	73.2	*88.9*		NAOU04O-RPB	*NAOU04T-RPB*
1-15/16		31				ZATVHO-31										
	50		90	*ZALU4T-x*		ZATVHO-50m										
2		32				ZATVHO-32										
	55		5	ZALU56-x	1.6	ZATVIO-55m	.8	3.2	0.63	2.5	2.35	3.13	*3.5*	5/16-24	QFOU05O-RPB	*QFOU05T-RPB*
2-3/16		35				ZATVIO-35		81.3	16	63.5	59.7	79.5	*88.9*		NAOU05O-RPB	*NAOU05T-RPB*
2-1/4		36	100	*ZALU5T-x*		ZATVIO-36										
2-1/4		36	6	ZALU66-x	2.3	ZATVIO-36	1.4	3.9	0.75	2.5	2.65	3.25	*4*	3/8-24	QFOU06O-RPB	*QFOU06T-RPB*
	60					ZATVIO-60m		99.1	19.1	63.5	67.3	82.6	*101.6*		NAOU06O-RPB	*NAOU06T-RPB*
2-3/8		38				ZATVIO-38										
2-7/16		39				ZATVJO-39										
2-1/2		40	120	*ZALU6T-x*		ZATVKO-40										
2-11/16		43	7	ZALU76-x	2.5	ZATVKO-43	1.6	4.1	0.75	3	3.14	3.75	*4.5*	3/8-24	QFOU07O-RPB	*QFOU07T-RPB*
2-3/4		44				ZATVKO-44		104.1	19.1	76.2	79.8	95.3	*114.3*		NAOU07O-RPB	*NAOU07T-RPB*
	70					ZATVKO-70										
2-15/16		47				ZATWLO-47										
	75		125	*ZALU7T-x*		ZATWLO-75m										
3		48				ZATWLO-48										
	80		8	ZALU86-x	3.6 (6.5)	ZATWMO-80m	1.6	4.7	0.75	3.5	3.7	4.25	*5*	3/8-24	QFOU08O-RPB	*QFOU08T-RPB*
3-3/16		51				ZATWMO-51		119.4	19.1	88.9	94	108	*127*		NAOU08O-RPB	*NAOU08T-RPB*
3-1/4		52				ZATWOO-52										
	85					ZATWOO-85m										
3-7/16		55				ZATWOO-55										
3-1/2		56				ZATWOO-56										
	90		145	*ZALU8T-x*		ZATWPO-90m										
3-11/16		59	9	ZALU96-x		ZATWPO-59	1.8	5.2	0.75	4.75	4.2	5.5	*6.3*	3/8-24	QFOU09O-RPB	*QFOU09T-RPB*
	100					ZATWPO-100m		132.1	19.1	120.7	106.7	139.7	*160*		NAOU09O-RPB	*NAOU09T-RPB*
3-15/16		63				ZATWPO-63										
4		64	175	*ZALU9T-x*		ZATWPO-64										
	110		10	ZALU10-x		ZATWQO-110m		5.7	0.75	5.25	4.7	6	*6.8*	1/2-20	QFOU10O-RPB	*QFOU10T-RPB*
4-7/16		71				ZATWQO-71		144.8	19.1	133.4	119.4	152.4	*172.7*		NAOU10O-RPB	*NAOU10T-RPB*
4-1/2		72	195	*ZALU10T-x*		ZATWQO-72										
4-15/16		79	11	ZALU11-x		ZATWRO-79		6.2	0.75	5.75	5.2	6.5	*7.3*	1/2-20	QFOU11O-RPB	*QFOU11T-RPB*
5		80				ZATWRO-80		157.5	19.1	146.1	132.1	165.1	*185.4*		NAOU11O-RPB	*NAOU11T-RPB*
			212	*ZALU11T-x*												

Tolerance of shafting to run inside a DoubleLock® sleeve

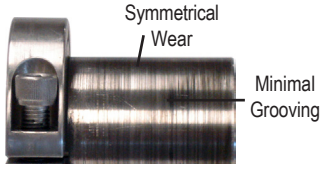
1-3/16" – 3-1/2" nominal to +.001" to -.002"
3-11/16" – 5" nominal to +.002" to -.002"

When changing out a Poly-Sphere® bearing, you may be able to reuse the locking sleeve.
Evaluate sleeve for wear, and replace it only when necessary.

Replace



Reuse



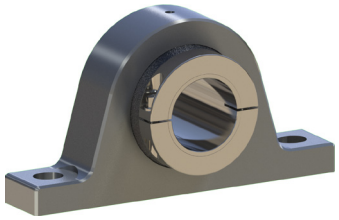
Type E Solution® assemblies include EDT KleanCap™ screws

Part Number	Type E Group range	Size	Tooling required	Recommend tightening torque
KCS1/4-28	Group 1-2	1/4 - 28 x 5/8"	1/4" thin walled deep socket	110 inch-pounds
KCS516-24	Group 3-5	5/16 - 24-x 5/8"	5/16" thin walled deep socket	200 inch-pounds
KCS3/8-24	Group 6-11	3/8 - 24-x 1"	3/8" thin walled deep socket	350 inch-pounds
KCS1/2-20	Group 10-11	1/2 - 20-x 1-1/4"	1/2" thin walled deep socket	350 inch-pounds

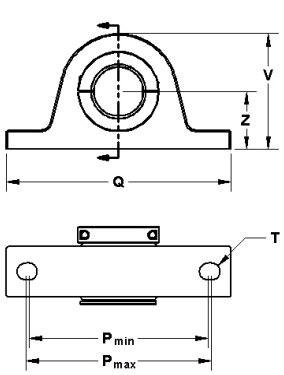
Type E Solution® Pillow Block

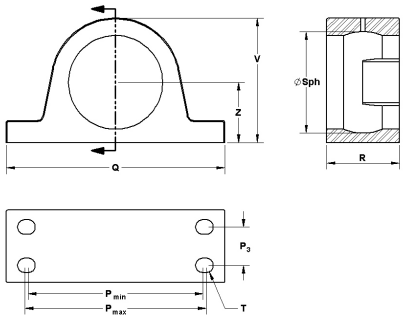
Housing is standard 304-stainless or EDT 'KG' polymer (limited sizes)

(other materials available upon request)



Sample p/n QF1E2-22





14=4 bolt pb / Sample p/n=14E7

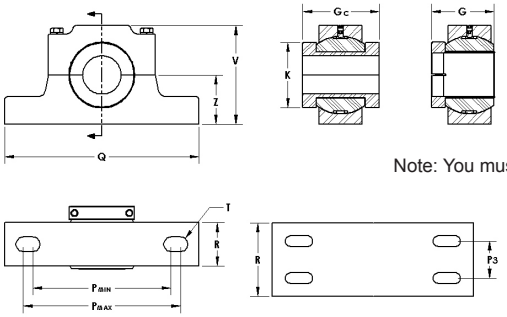
	x = shaft diameter			EDT RPB Group	Stainless			Polymer												
					SS Housing p/n	SS Housing wt	SS R	**Polymer Housing p/n**	Polymer Housing wt	Polymer R	Z	V	Q	P min	P max	T	P3	G	Gb	Mounted Type E Max Load
	in	mm	16th	mm ØSph	**Standard Split**	lbs	in mm	**Standard**	lbs	in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	Distance	in mm	in mm	lbs newton
2-Bolt	1-1/8 1-3/16 1-1/4		18 19 20	1 65	**QF1E1-x NA1E1-x**	3.8	1.5 38	**QF1G1-x NA1G1-x**	0.5	1.5 38.1	1.5 38.1	3.13 79.5	6 152.4	4.75 120.7	4.81 122.2	3/8	-	2.25 57.2	2.35 59.7	2,980 13,260
		35		2 72	**QF1E2-x NA1E2-x**	7.4	1.88 48	**QF1G2-x NA1G2-x**	0.7	1.88 47.8	1.88 47.8	3.75 95.3	7.38 187.5	5.62 142.7	5.88 149.4	1/2	-	2.5 63.5	2.6 66	4,760 21,180
	1-3/8 1-7/16		22 23																	
	1-1/2	40	24	3 85	**QF1E3-x NA1E3-x**	8.8	1.97 50	**QF1G3-x NA1G3-x**	0.9	2.12 53.8	2.12 53.8	4.25 108	7.62 193.5	6.12 155.4	6.38 162.1	1/2	-	2.75 69.9	2.86 72.6	6,140 27,320
	1-5/8 1-11/16		26 27																	
	1-3/4 1-7/8 1-15/16		28 30 31	4 90	**QF1E4-x NA1E4-x**	10.9	1.97 50	**QF1G4-x NA1G4-x**	1.4	2.25 57.2	2.25 57.2	4.5 114.3	8.63 219.2	6.88 174.8	7.12 180.8	5/8	-	2.88 73.2	3.03 77	8,070 35,908
	2	50	32																	
	2-3/16 2-1/4	55	35 36	5 100	**QF1E5-x NA1E5-x**	12.1	2.2 56	**QF1G5-x NA1G5-x**	1.5	2.5 63.5	2.5 63.5	4.94 125.5	9.38 238.3	7.62 193.5	7.88 200.2	5/8	-	3.13 79.5	3.28 83.3	8,550 38,044
	2-1/4	60	36	6 120	**QF1E6-x NA1E6-x**	13.5	2.2 56	**---**	---	---	2.75 69.9	5.81 147.6	10.5 266.7	8.38 212.9	8.62 218.9	5/8	-	3.25 82.6	3.43 87.1	9,090 40,447
	2-3/8 2-7/16 2-1/2		38 39 40																	
	2-11/16 2-3/4	70	43 44	7 125	**QF1E7-x NA1E7-x**	21.5	2.7 69	**---**	---	---	3.13 79.5	6.38 162.1	11.5 292.1	9.31 236.5	9.69 246.1	3/4	-	3.75 95.3	3.93 99.8	9,600 42,716
	2-15/16 3	75	47 48																	
	3-3/16 3-1/4	80 85	51 52	8 145	**QF1E8-x NA1E8-x**	40.2	3.15 80	**---**	---	---	3.75 95.3	7.75 196.9	13.5 342.9	10.81 274.6	11.19 284.2	7/8	-	4.25 108	4.43 112.5	15,300 68,078
	3-7/16 3-1/2		55 56																	
		90																		
4-Bolt	2-1/4	60	36	6 120	**QF14E6-x NA14E6-x**	13.5	3.4 86	---	---	---	2.75 69.9	5.81 147.6	10.5 266.7	8.38 212.9	8.62 218.9	5/8	1-7/8 47.8	3.25 82.6	3.43 87.1	9,090 40,447
	2-3/8 2-7/16 2-1/2		38 39 40																	
	2-11/16 2-3/4	70	43 44	7 125	**QF14E7 NA14E7**	27	3.97 101	---	---	---	3.13 79.5	6.38 162.1	12 304.8	9.18 233	9.81 249	5/8	2-1/8 54	3.75 95.3	3.93 99.8	9,600 42,716
	2-15/16 3	75	47 48																	
	3-3/16 3-1/4	80 85	51 52	8 145	**QF14E8-x NA14E8-x**	44	4.47 113.5	---	---	---	3.75 95.3	7.75 196.9	13.5 342.9	10.75 273	11.25 286	3/4	2-3/8 60.3	4.25 108	4.43 112.5	15,300 68,078
	3-7/16 3-1/2		55 56																	
		90																		
	3-11/16	100	59	9 175	**QF14E9-x NA14E9-x**	~68	4.47 113.5	---			4.25 108	8.25 209.6	15.25 387.4	12.25 311.0	12.75 324.0	3/4	2-1/2 63.5	5.5 139.7	5.7 144.8	21,000 93,400
	3-15/16 4		63 64																	

Suffix
= (none) indicates ZADF sleeve
= LK indicates std DoubleLock® sleeve
= LKV indicates fixed bearing DoubleLock & split collar
= LKE indicates expansion bearing

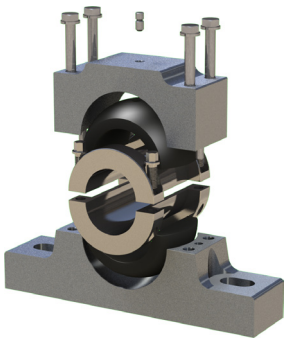
EDT Type E housings are designed to mate with Poly-Sphere® inserts. EDT Type E housing can be manufactured to accept some brands of standard tapered roller bearings. Call for custom quotation.

RPB Solution® Split Pillow Block

QF or NA Poly-Sphere® bearing depending on application



Note: You must use a split Poly-Sphere® with a split sleeve



Sample p/n QFT1E4T-32T

	x = shaft diameter			EDT RPB Group	Stainless Split Housing Assembly p/n	Split SS Housing Assembly wt	R	Z	V	Q	P min	P max	P3	T	G	Gc	Mounted Type E Max Load
	in	mm	16th	mm ØSph	Split	lbs	in mm	in mm	in mm	in mm	in mm	in mm	Distance	Bolt Size	in mm	in mm	lbs newton
2-Bolt	1-1/8		18	1	QF1E1T-x NA1E1T-x	3	1.5 38	1.5 38.1	3.13 79.5	6.25 152.4	4.57 116.7	4.94 125.5	-	1/2	2.25 57.2	2.8 71.1	2,980 13,260
	1-3/16		19														
	1-1/4		20	65													
		35		2	QF1E2T-x NA1E2T-x	6.4	1.88 48	1.88 47.8	3.75 95.3	7.25 187.5	5.32 135.9	5.94 151.9	-	1/2	2.5 63.5	3 76.2	4,760 21,180
	1-3/8		22														
	1-7/16		23	72													
	1-1/2		24	3	QF1E3T-x NA1E3T-x	7.3	1.97 50	2.12 53.8	4.25 108	7.75 193.5	5.56 141.2	6.44 163.6	-	1/2	2.75 69.9	3.4 86.4	6,140 27,320
		40															
	1-5/8		26														
	1-11/16		27	85													
	1-3/4		28	4	QF1E4T-x NA1E4T-x	8.9	1.97 50	2.25 57.2	4.5 114.3	8.88 219.2	6.31 160.3	7.19 182.6	-	5/8	2.88 73.2	3.5 88.9	8,070 35,908
	1-7/8		30														
	1-15/16		31														
		50		90													
	2		32														
		55		5	QF1E5T-x NA1E5T-x	16.0	2.2 56	2.5 63.5	4.94 125.5	9.63 238.3	6.69 169.9	7.94 201.7	-	5/8	3.13 79.5	3.5 88.9	8,550 38,044
	2-3/16		35														
	2-1/4		36	100													
	2-1/4		36	6	QF1E6T-x NA1E6T-x	13.5	2.2 56	2.75 69.9	5.81 147.6	10.38 266.7	6.93 176.9	8.69 220.7	-	5/8	3.25 82.6	4 101.6	9,090 40,447
		60															
	2-3/8		38														
	2-7/16		39	120													
	2-1/2		40														
	2-11/16		43	7	QF1E7T-x NA1E7T-x	21.5	2.7 69	3.13 79.5	6.38 162.1	11.75 292.1	8.12 206.2	9.69 246.1	-	3/4	3.75 95.3	4.5 114.3	9,600 42,716
	2-3/4		44														
		70		125													
	2-15/16		47														
		75															
	3		48														
		80															
	3-3/16		51														
	3-1/4		52	8	QF1E8T-x NA1E8T-x	50.0	3.15 80	3.75 95.3	7.75 196.9	13.5 342.9	10.13 257.3	11.25 285.8	-	7/8	4.25 108	5 127	15,300 68,078
		85															
	3-7/16		55	145													
	3-1/2		56														
		90															
4-Bolt	2-1/4		36	6	QF14E6T-x NA14E6T-x	13.5	3.4 86	2.75 69.9	5.81 147.6	10.38 266.7	7.75 196.9	8.75 222.3	1.88 47.8	5/8	3.25 82.6	4 101.6	9,090 40,447
		60															
	2-3/8		38														
	2-7/16		39	120													
	2-1/2		40														
	2-11/16		43	7	QF14E7T NA14E7T	27	3.97 101	3.13 79.5	6.38 162.1	11.75 304.8	8.75 222.3	10.0 254	2.12 54	5/8	3.75 95.3	4.5 114.3	9,600 42,716
	2-3/4		44														
		70		125													
	2-15/16		47														
		75															
	3		48														
		80															
	3-3/16		51														
	3-1/4		52	8	QF14E8T-x NA14E8T-x	44	4.47 113.5	3.75 95.3	7.75 196.9	13.5 342.9	10.56 268.2	11.5 292.1	2.38 60.3	5/8	4.25 108	5 127	15,300 68,078
		85															
	3-7/16		55	145													
	3-1/2		56														
		90															
	3-11/16		59	9	QF14E9T-x NA14E9T-x	~68	4.47 113.5	4.25 108	8.25 209.6	15.25 387.4	11.0 279.4	13.0 330.2	2.25 57.15	5/8	5.5 139.7	6.3 160	21,000 93,400
		100															
	3-15/16		63	175													
	4		64														

Part Numbering Explanation

Polymer material for Poly-Sphere® bearing
NA
QF

Housing Style
1=2 Bolt Pillow Block
4=4-Bolt
14=4 Bolt Pillow Block
24=Piloted 4-Bolt

Type E / RPB Group Size

Shaft Size
1-1/8" thru 5" (in 16th) and metric sizes (ie 85m)

QF	T	1	E	8	T	-55	T

Indicates Split Poly-Sphere®
T=Split
"T" is optional when the component is split

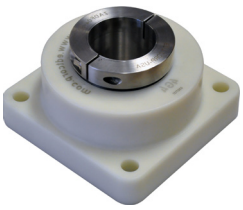
Housing Material
E=SS Housing
G=Polymer Housing

Indicates Split Housing
T=Split
(available SS ONLY)

Sleeve Indicator
T=Split Sleeve
-LKV = DoubleLock® with collar
-LKE = DoubleLock® expansion (w/o collar)
BLANK = Double Flange DoubleLock®

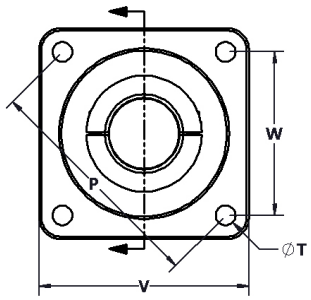
Type E Solution® 4-Bolt Flange

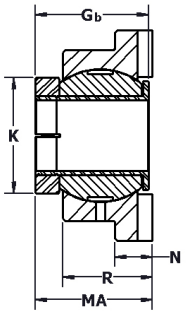
Housing is standard 304-stainless or EDT 'KG' polymer
(other materials available upon request)

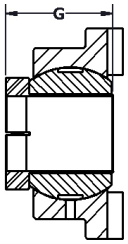


Sample p/n QF4G4-32

Sample p/n QF4E4-32





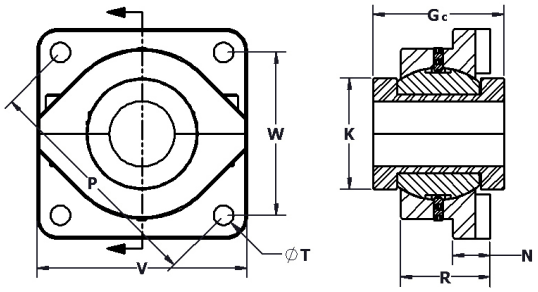


x = shaft diameter			EDT RPB Group	Stainless		Polymer													
				Stainless Assembly p/n	Stainless Assembly wt	**Polymer Assembly p/n**	Polymer Assembly wt	Ø Sph Poly-Sphere®	V	W	P	MA	R	N	G	Gb	K	T	Mounted Type E Max Load
in	mm	16th	mm ØSph	**Standard Split**	lb	**Standard**	lb	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	lbs newton
1-1/8		18	1	**QF4E1-x NA4E1-x**	2.8	**QF4G1-x NA4G1-x**	0.5	2.56 65	4.0 102.0	2.88 73.2	4.07 103.4	2.420 61.5	1.9 48.3	0.88 22.4	2.25 57.2	2.35 59.7	2.0 50.1	3/8	2,980 13,260
1-3/16		19																	
1-1/4		20	65																
	35		2	**QF4E2-x NA4E2-x**	4.6	**QF4G2-x NA4G2-x**	0.8	2.83 72	4.63 117.6	3.5 88.9	4.95 125.7	2.685 68.5	2.1 53.3	1.66 25.4	2.5 63.5	2.6 66	2.2 55.9	1/2	4,760 21,180
1-3/8		22																	
1-7/16		23	72																
1-1/2		24	3	**QF4E3-x NA4E3-x**	6.2	**QF4G3-x NA4G3-x**	1.2	3.35 85	5.38 136.7	4.13 104.9	5.83 148.1	2.965 75.5	2.23 56.6	1 25.4	2.75 69.9	2.86 72.6	2.8 71.1	1/2	6,140 27,320
	40																		
1-5/8		26																	
1-11/16		27	85																
1-3/4		28	4	**QF4E4-x NA4E4-x**	7.0	**QF4G4-x NA4G4-x**	1.5	3.54 90	5.63 143	4.38 111.3	6.19 157.2	3.135 79.8	2.4 61	1 25.4	2.88 73.2	3.03 77	3.1 78.7	1/2	8,070 35,908
1-7/8		30																	
1-15/16		31																	
	50		90																
2		32																	
	55		5	**QF4E5-x NA4E5-x**	10.3	**QF4G5-x NA4G5-x**	1.9	3.94 100	6.25 158.8	4.88 124	6.89 175	3.405 86.8	2.67 67.8	1.25 31.8	3.13 79.5	3.28 83.3	3.4 86.4	5/8	8,550 38,044
2-3/16		35																	
2-1/4		36	100																
2-1/4		36	6	**QF4E6-x NA4E6-x**	14.1	**QF4G6-x NA4G6-x**	2.7	4.72 120	6.80 173.0	5.38 136.7	7.59 192.8	3.639 92.5	2.73 693	1.5 38.1	3.25 82.6	3.43 87.1	3.9 99.0	5/8	9,090 40,447
	60																		
2-3/8		38																	
2-7/16		39	120																
2-1/2		40																	
2-11/16		43	7	**QF4E7-x NA4E7-x**	21.0	**---**	---	4.92 125	7.75 196.9	6 152.4	8.48 215.4	4.085 103.8	3.2 81.3	1.63 41.4	3.75 95.3	3.93 99.8	4.1 104.1	3/4	9,600 42,716
2-3/4		44																	
	70																		
2-15/16		47	125																
	75																		
3		48																	
	80		8	**QF4E8-x NA4E8-x**	35.1	**---**	---	5.71 145	9.25 235	7 177.8	9.9 251.5	4.610 117.5	3.7 94	1.75 44.5	4.25 108	4.43 112.5	4.7 119.4	3/4	15,300 68,078
3-3/16		51																	
3-1/4		52																	
	85		145																
3-7/16		55																	
3-1/2		56																	
	90																		
3-11/16		59	9	**QF4E9-x NA4E9-x**	55.0	**---**	---	6.89 175	10.25 260.4	7.75 196.9	10.96 278.4	6.160 156.5	5.0	2.13	5.5 139.7	5.7 144.8	5.2 132.1	7/8	21,000 93,400
	100																		
3-15/16		63	175																
4		64																	
	110		10	**QF4E10-x NA4E10-x**		**---**	---	7.68 195	11.5 292.1	8.75 222.3	12.38 314.5	---	---	---	6 152.4	6.2 157.5	5.7 144.8	7/8	25,800 114,780
4-7/16		71																	
4-1/2		72	195																

EDT Type E housings are designed to mate with Poly-Sphere® inserts.
EDT Type E housing can be manufactured to accept some brands of standard tapered roller bearings. Call for custom quotation.

RFB Solution® Split 4-Bolt

QF or NA Poly-Sphere® bearing depending on application



Sample p/n QFT4E4T-32T

Note: You must use a split Poly-Sphere® with a split sleeve

x = shaft diameter			EDT RPB Group	Split Stainless Housing p/n	Split SS Housing wt	Ø Sph Poly-Sphere®	V	W	P	R	N	G	Gc	K	T	Mounted Type E Max Load
in	mm	16th	mm ØSph	Standard Split	lb	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt size	lbs newton
1-1/8		18	1	**QF4E1T-x**	-	2.56	4	2.88	4.07	1.85	0.88	2.25	2.8	2.0	3/8	2,980
1-3/16		19		**NA4E1T-x**		65	102.0	73.2	103.4	47	22.4	57.2	71.1	50.1		13,260
1-1/4		20	65													
	35		2	**QF4E2T-x**	-	2.83	4.63	3.5	4.95	2.1	1.66	2.5	3	2.2	1/2	4,760
1-3/8		22		**NA4E2T-x**		72	117.6	88.9	125.7	53.3	25.4	63.5	76.2	55.9		21,180
1-7/16		23	72													
1-1/2		24	3	**QF4E3T-x**	-	3.35	5.38	4.13	5.83	2.23	1	2.75	3.4	2.8	1/2	6,140
	40			**NA4E3T-x**		85	136.7	104.9	148.1	56.6	25.4	69.9	86.4	71.1		27,320
1-5/8		26	85													
1-11/16		27														
1-3/4		28	4	**QF4E4T-x**	-	3.54	5.63	4.38	6.19	2.4	1	2.88	3.5	3.1	1/2	8,070
1-7/8		30		**NA4E4T-x**		90	143	111.3	157.2	61	25.4	73.2	88.9	78.7		35,908
1-15/16		31	90													
	50															
2		32														
	55		5	**QF4E5T-x**	-	3.94	6.25	4.88	6.89	2.67	1.25	3.13	3.5	3.4	5/8	8,550
2-3/16		35		**NA4E5T-x**		100	158.8	124	175	67.8	31.8	79.5	88.9	86.4		38,044
2-1/4		36	100													
2-1/4		36	6	**QF4E6T-x**	-	4.72	6.8	5.38	7.59	2.65	1.5	3.25	4	3.9	5/8	9,090
	60			**NA4E6T-x**		120	173.0	136.7	192.8	67.3	38.1	82.6	101.6	99.0		40,447
2-3/8		38	120													
2-7/16		39														
2-1/2		40														
2-11/16		43	7	**QF4E7T-x**	-	4.92	7.75	6	8.48	3.2	1.63	3.75	4.5	4.1	3/4	9,600
2-3/4		44		**NA4E7T-x**		125	196.9	152.4	215.4	81.3	41.4	95.3	114.3	104.1		42,716
	70		125													
2-15/16		47														
	75															
3		48														
3-3/16		51	8	**QF4E8T-x**	-	5.71	9.25	7	9.9	3.7	1.75	4.25	5.7	4.7	3/4	15,300
3-1/4		52		**NA4E8T-x**		145	235	177.8	251.5	94	44.5	108	144.8	119.4		68,078
	85		145													
3-7/16		55														
3-1/2		56														
3-11/16		59	9	**QF4E9T-x**	-	6.89	10.25	7.75	10.96	-	2.13	5.5	-	5.2	7/8	21,000
	100			**NA4E9T-x**		175	260.4	196.9	278.4			139.7		132.1		93,400
3-15/16		63	175													
4		64														
	110		10	**QF4E10T-x**	-	7.68	11.5	8.75	12.38	-	---	6	-	5.7	1	25,800
4-7/16		71		**NA4E10T-x**		195	292.1	222.3	314.5			152.4		144.8		114,780
4-1/2		72	195													

Part Numbering Explanation

Polymer material for Poly-Sphere® bearing
NA
QF

Housing Style
1=2 Bolt Pillow Block
4=4-Bolt
14=4 Bolt Pillow Block
24=Piloted 4-Bolt

Type E / RPB Group Size

Shaft Size
1-1/8" thru 5" (in 16th) and metric sizes (ie 85m)

Q	F	T	1	E	8	T	-	5	5	T

Indicates Split Poly-Sphere®
T=Split
"T" is optional when the component is split

Housing Material
E=SS Housing
G=Polymer Housing

Indicates Split Housing
T=Split
(available SS ONLY)

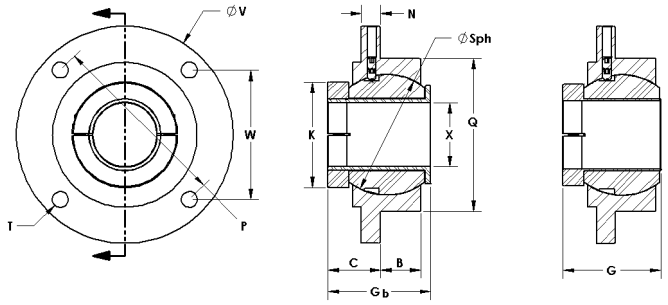
Sleeve Indicator
T=Split Sleeve
-LKV = DoubleLock® with collar
-LKE = DoubleLock® expansion (w/o collar)
BLANK = Double Flange DoubleLock®

Type E Solution® Piloted 4-Bolt

Housing is standard 304-stainless or EDT 'KG' polymer (limited sizes)
(other materials available upon request)

Sample p/n QF24E4-32

Solution® housings can be reused through multiple bearing change-outs



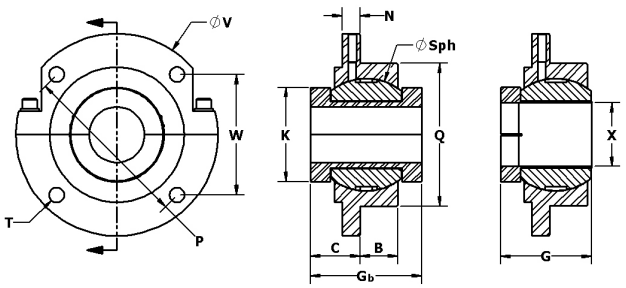
x = shaft diameter			EDT RPB Group	Stainless Assembly p/n	SS Asmbly wt	Polymer Assembly p/n	KG Asmbly wt	Ø Sph Poly-Sphere®	V	W	P †	T	N	Q	Gb	G	Mounted Type E Max Load
in	mm	16th	mm ØSph	Standard	lbs	Standard	lbs	in mm	in mm	in mm	in mm	Bolt Size	in mm	in mm	in mm	in mm	lbs newton
1-1/8		18	1	QF24E1-x NA24E1-x	4	QF24G1-x NA24G1-x	1.5	2.56 65	5 127	2.91 74	4.13 104.6	3/8	0.44 11.1	3.38 85.7	2.35 59.7	2.25 57.2	2,980 13,260
1-3/16		19															
1-1/4		20	65														
	35		2	QF24E2-x NA24E2-x	5	QF24G2-x NA24G2-x	2.0	2.83 72	5.25 133.4	3.1 78.7	4.38 111.3	3/8	0.5 12.7	3.63 92.1	2.6 66	2.5 63.5	4,760 21,180
1-3/8		22															
1-7/16		23	72														
1-1/2		24	3	QF24E3-x NA24E3-x	7	QF24G3-x NA24G3-x	2.5	3.35 85	6.13 155.7	3.62 91.9	5.13 130	7/16	0.5 12.7	4.25 108	2.86 72.6	2.75 69.9	6,140 27,320
	40																
1-5/8		26	85														
1-11/16		27															
1-3/4		28	4	QF24E4-x NA24E4-x	8	QF24G4-x NA24G4-x	3.0	3.54 90	6.38 162.1	3.8 96.4	5.38 136.4	7/16	0.56 14.3	4.5 114.3	3.03 77	2.88 73.2	8,070 35,908
1-7/8		30															
1-15/16		31	90														
	50																
2		32															
	55		5	QF24E5-x NA24E5-x	11	QF24G5-x NA24G5-x	4.5	3.94 100	7.13 181.1	4.24 107.7	6 152.4	1/2	0.56 14.2	5 127	3.28 83.3	3.13 79.5	8,550 38,044
2-3/16		35															
2-1/4		36	100														
2-1/4		36	6	QF24E6-x NA24E6-x	13	QF24G6-x NA24G6-x	5.5	4.72 120	7.63 193.8	4.6 116.7	6.5 165.1	1/2	0.63 15.9	5.5 139.7	3.43 87.1	3.25 82.6	9,090 40,447
	60																
2-3/8		38	120														
2-7/16		39															
2-1/2		40															
2-11/16		43	7	QF24E7-x NA24E7-x	22	QF24G7-x NA24G7-x	8.5	4.92 125	8.75 222.3	5.3 134.7	7.5 190.5	5/8	0.75 19.1	6.38 161.9	3.93 99.8	3.75 95.3	9,600 42,716
2-3/4		44															
	70																
2-15/16		47	125														
	75																
3		48															
	80		8	QF24E8-x NA24E8-x	32	QF24G8-x NA24G8-x	10.5	5.71 145	10.25 260.4	6.09 154.8	8.63 218.9	3/4	0.88 23.8	7.38 187.3	4.43 112.5	4.25 108	15,300 68,078
3-3/16		51															
3-1/4		52	145														
	85																
3-7/16		55															
3-1/2		56															
	90																
3-11/16		59	9	QF24E9-x NA24E9-x		QF24G9-x NA24G9-x	--	6.89 175	10.87 276.1	6.62 168.3	9.38 238	3/4	1.00 0.94	8.13 206.2	5.7 144.8	5.5 139.7	21,000 93,400
	100																
3-15/16		63	175														
4		64															
	110		10	QF24E10-x NA24E10-x		QF24G10-x NA24G10-x	--	7.68 195	13.5 342.9	8.31 211	11.75 298.5 †	3/4 †	1.00	10.25 260.4	6.2 157.5	6 152.4	25,800 114,780
4-7/16		71	195†														
4-1/2		72															
4-15/16		79	11	QF24E11-x NA24E11-x	100	QF24G11-x NA24G11-x	--	8.35 212	14.75 374.7	9.01 229	12.75 323.9 †	7/8 †	1.25 31.8	11 279.4	6.96 176.8	6.5 165.1	35,500 157,950
5		80	212														

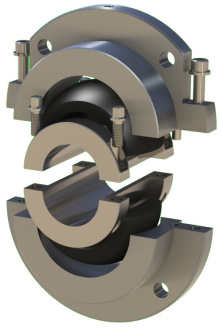
† 6-bolt holes on Group 10 & 11 piloted flanges

EDT Type E housings are designed to mate with Poly-Sphere® inserts. EDT Type E housing can be manufactured to accept some brands of standard tapered roller bearings. Call for custom quotation.

RFP Solution® Split Piloted 4-Bolt

QF or NA Poly-Sphere® bearing depending on application





Sample p/n QFT24E8T-55T

Note: You must use a split Poly-Sphere® with a split sleeve

x = shaft diameter			EDT RPB Group	Stainless Housing p/n	SS Housing wt	Ø Sph Poly-Sphere®	V	W	P †	T	N	Q	G	Gc	Mounted Type E Max Load
in	mm	16th	mm ØSph	Split	lbs	in mm	in mm	in mm	in mm	Bolt Size	in mm	in mm	in mm	in mm	lbs newton
1-1/8		18	1	**QF24E1T-x**	3	2.56	5	2.91	4.12	3/8	.44	3.38	2.25	2.8	2,980
1-3/16		19		**NA24E1T-x**		65	127	74	104.6		11.1	85.7	57.2	71.1	13,260
1-1/4		20	65												
	35		2	**QF24E2T-x**	3.7	2.83	5.25	3.1	4.38	3/8	0.5	3.63	2.5	3	4,760
1-3/8		22		**NA24E2T-x**		72	133.4	78.7	111.3		12.7	92.1	63.5	76.2	21,180
1-7/16		23	72												
1-1/2		24	3	**QF24E3T-x**	5.1	3.35	6.13	3.62	5.12	7/16	0.5	4.25	2.75	3.4	6,140
	40			**NA24E3T-x**		85	155.7	91.9	130		12.7	108	69.9	86.4	27,320
1-5/8		26	85												
1-11/16		27													
1-3/4		28	4	**QF24E4T-x**	6.1	3.54	6.38	3.8	5.37	7/16	0.56	4.5	2.88	3.5	8,070
1-7/8		30		**NA24E4T-x**		90	162.1	96.4	136.4		14.3	114.3	73.2	88.9	35,908
1-15/16		31	90												
	50														
2		32													
	55		5	**QF24E5T-x**	8.1	3.94	7.13	4.24	6	1/2	0.56	5	3.13	3.5	8,550
2-3/16		35		**NA24E5T-x**		100	181.1	107.7	152.4		14.2	127	79.5	88.9	38,044
2-1/4		36	100												
2-1/4		36	6	**QF24E6T-x**	9.3	4.72	7.63	4.6	6.5	1/2	0.63	5.5	3.25	4	9,090
	60			**NA24E6T-x**		120	193.8	116.7	165.1		15.9	139.7	82.6	101.6	40,447
2-3/8		38	120												
2-7/16		39													
2-1/2		40													
2-11/16		43	7	**QF24E7T-x**	15.8	4.92	8.75	5.3	7.5	5/8	0.75	6.38	3.75	4.5	9,600
2-3/4		44		**NA24E7T-x**		125	222.3	134.7	190.5		19.1	161.9	95.3	114.3	42,716
	70		125												
2-15/16		47													
	75														
3		48													
	80		8	**QF24E8T-x**	24.7	5.71	10.25	6.09	8.62	3/4	0.94	7.38	4.25	5.0	15,300
3-3/16		51		**NA24E8T-x**		145	260.4	154.8	218.9		23.8	187.3	108	127	68,078
3-1/4		52	145												
	85														
3-7/16		55													
3-1/2		56													
	90														
3-11/16		59	9	**QF24E9T-x**		6.89	10.87	6.62	9.37	3/4	---	8.12	5.5	6.3	21,000
	100			**NA24E9T-x**		175	276.1	168.3	238			206.2	139.7	160	93,400
3-15/16		63	175												
4		64													
	110		10 †	**QF24E10T-x**		7.68	13.5	8.31	11.75	3/4 †	---	10.25	6	6.8	25,800
4-7/16		71		**NA24E10T-x**		195	342.9	211	298.5			260.4	152.4	172.7	114,780
4-1/2		72	195												
4-15/16		79	11 †	**QF24E11T-x**	85	8.35	14.75	9.01	12.75	7/8 †	1.25	11	6.5	7.3	35,500
5		80	212	**NA24E11T-x**		212	374.7	229	323.9		31.8	279.4	165.1	185.4	157,950

† Note: The EDT RPB Group 10 & 11 are designed with 6 bolt holes

Part Numbering Explanation

Polymer material for Poly-Sphere® bearing
NA
QF

Housing Style
1=2 Bolt Pillow Block
4=4-Bolt
14=4 Bolt Pillow Block
24=Piloted 4-Bolt

Type E / RPB Group Size

Shaft Size
1-1/8" thru 5" (in 16th) and metric sizes (ie 85m)

Q F	T	1	E	8	T	- 5 5	T

Indicates Split Poly-Sphere®
T=Split
"T" is optional when the component is split

Housing Material
E=SS Housing
G=Polymer Housing

Indicates Split Housing
T=Split
(available SS ONLY)

Sleeve Indicator
T=Split Sleeve
-LKV = DoubleLock® with collar
-LKE = DoubleLock® expansion (w/o collar)
BLANK = Double Flange DoubleLock®

COMPARE THE COSTS OF OWNERSHIP OF

EDT Type E Solution® 4-Bolt

ON FOOD PROCESSING RIBBON BLENDER

EDT bearings save money, time, and labor!

Cost of original bearing

Based on standard Type E lasting 16 weeks *and then replace complete unit*

1st Year	
Cost to purchase bearing F4BE207	**$583.00**
Cost to initially install bearing	
Labor: $35/hr x 1/2 hour	$17.50
Cost of bearing and installation	$600.50
Bearing change-outs per year: 52 weeks	
divided by average 16 week life	x 3
Cost of bearing	$1,801.50
Cost of lubricant: Lubriplate® LFG	
1 oz/application at 30¢/ounce	$0.30
Labor: 58¢ per minute x 2 minutes	+ $1.16
PM frequency: 3 times/week x 52 weeks	x 156
	$227.76
Total 1 year bearing cost	$2,029.26
x 2 bearings per machine	x 2
One year cost of bearings per machine	**$4,058.52**

Cost of EDT Type E Solution®

Based on Type E Solution® Poly-Sphere® lasting 2 years *rotate insert after 12 months and reuse other components multiple times*

1st Year	
Cost to purchase EDT bearing NA4G6-39	**$1,600.00**
Cost to initially install bearing	
Labor: $35/hr x 1/2 hour	$17.50
Cost of each bearing with installation	**$1,617.50**
Bearing change-outs per year	x 1
1 year cost to buy/install bearings	**$1,617.50**
Cost of lubricant:	
EDT Poly-Sphere® bearing is grease-less and non-rusting so eliminates process contamination	**$0.00**
Total 1 year bearing cost	$1,617.50
x 2 bearings per machine	x 2
One year cost of bearings per machine	**$3,235.00**

Machine's 1 year cost with original bearings $4,058.52
versus 1 year cost with EDT bearings $3,235.00
First Year Savings $823.52 x 1 Blender per facility **$823.52**

One year savings with EDT bearings!

2nd Year	
Continue same costs as 1st year	
One year machine cost with original bearings	$4,058.52
(This includes change-out labor plus lubrication 3 times per week)	
2nd year cost of bearings per blender	**$4,058.52**
Total 2 year cost of bearings on 1 blender	**$8,117.04**

2nd Year	
When bearing is worn too far into one direction, rotate insert 180° to utilize other half of sphere	
Poly-Sphere®	
NAOU06O-RPB ($480 replacement)	$0.00
Labor to rotate insert: $35/hour x 1/2 hour	$17.50
2nd year cost of bearings per blender	**$17.50**
Total 2 year cost of bearings on 1 blender	**$3,252.50**

Machine's 2 year costs with original bearings $8,117.04
versus 2 year costs with EDT bearings $3,252.50
Savings per blender $4,864.54 x 1 Blender per facility

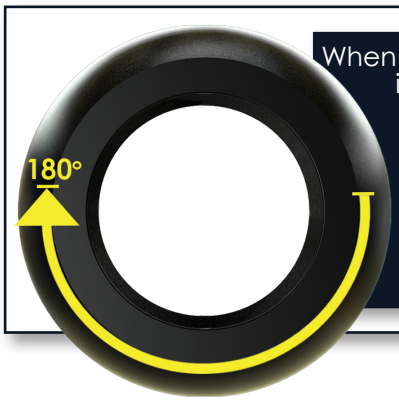
Savings over 2 years using EDT bearings!

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions.
Individual results can vary based on installation and maintenance practices, and environmental conditions.

EDT Type E runs clean and won't contaminate

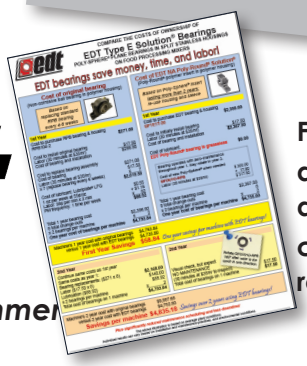
No rust! No grease!



When Poly-Sphere® bearing is worn too far in one direction, rotate it **180°** to utilize the other half

Ask EDT for bearing selection assistance by completing a **Bearing Design Checklist**

edtcorp.com/docs/bearing-design-checklist.pdf
Bookmark it!

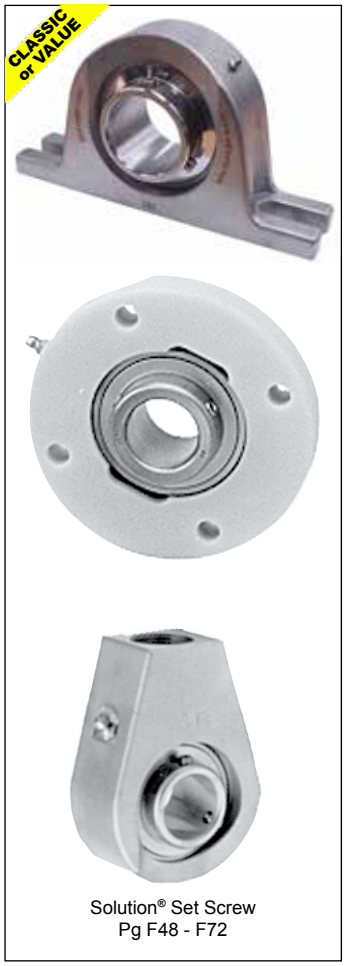


For a Cost Of Ownership analysis of your application, contact an EDT sales representative today

Bearings For Severe Service Environments

Stainless Ball Bearing Solution®

Solution® Eccentric
Pg F10 - F34



Solution® Set Screw
Pg F48 - F72

QuiKlean® Eccentric
Pg F34 - F47

ER (Set Screw)
Pg F5

QuiKlean® Set Screw
Pg F72 - F85

Pg F7
Pg F10 - F47

Breader Bearings
Pg F35, F73

Set-Screw
Pg F8 - F9
Pg F48 - F85

Ball bearings for severe service environments

Inserts only or mounted units

Insert bearings made of 440-stainless steel (or other materials as appropriate)

- Eccentric lock, wide inner ring in the most popular shaft sizes
- Set-screw lock, wide inner ring in almost every shaft size
- 'ER' bearings (cylindrical OD with snap ring): 5/8" to 1-1/2"

- Choose food grade grease or various solid lubricants
- Stainless in shafts from 1/2" to 3" and metric
- EDT Solution® bearing housings (stainless or polymer) are USDA-accepted, and ideal for HACCP/ HARPC programs

We recommend ball bearings for the following applications:

- High speed devices (i.e. fans, pumps, table top conveyors)
- High tension (i.e. flat belt conveyors, v-belt drives, round/urethane belts, curved conveyors)
- Overhung loads (i.e. shaft mounted gear reducers)
- Trunnions

Grease-Free with Solid Lubricants

When bearings operate in severe service environments that compromise grease, and the application is not appropriate for a plane bearing, solid lubricant may be a good alternative. EDT solid lubricants can extend the life of ball bearings in areas where lubrication issues exist. Solid lube bearings:

- Are lubricated for life
- Are more resistant to washout than greased bearings
- Do not require re-greasing
- Keep contamination out because they are 100% filled

Two Solid Lubricant Options

EPL: EDT Polymer Lubricants

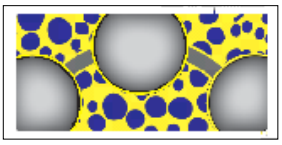
How EDT Polymer Lubricants work

EPL's micro-porous structure traps oil throughout its entire mass and slowly delivers lubrication to the bearing as needed. As the bearing rotates and the rolling element track warms, oil is released from the interconnected micro pores of the solid polymer to lubricate the bearing. When the bearing slows and cools, the oil is again retained in the matrix through surface tension.

EPL formulas contain 50% to 80% oil by weight, which is 2 to 5 times more oil than standard grease. The oil-permeated solid polymer also fills and seals the open space of the bearing to block out contaminants that lead to early bearing failure.

Advantages of solid polymer lubricants

- Eliminate need for re-lubrication
- Consistently deliver the right amount of lubrication
- Resist contamination
- Stand up to harsh applications and wash downs
- Dramatically improve cleanliness



EGL: EDT Graphite Lubricants

How EDT Graphite Lubricants work

EGL lubricants are composites of natural graphite with fiber filler in organic binders. The resulting lubricant is black due to the graphite. The atomic structure of carbon makes graphite chemically inert to almost all compounds, including acids, alkalis and organic solvents. It is less resistant to oxidizing chemicals such as peroxides, chlorates, perchlorates, nitrates, and permanganates.

EGL uses amost 100% of the space between the races; when bearing moves, graphite is deposited on every surface, preventing metal-to-metal contact and hielding a very low-friction bearing.

Advantages of graphite lubricants

- Eliminate need for re-lubrication
- Consistently deliver the right amount of lubrication
- Resist contamination (hard matrix is more abrasive-resistant than polymers)
- Stand up to harsh applications and wash downs
- Dramatically improve cleanliness

EDT Solid Lubricants

EDT Solid Lube PN Indicator	Food-Grade Solid Lubricant Type	'Food grade' lubricants are rated H-1 (incidental food contact)	Color	Operating Temperature
F	EPL	Food grade oil- permeated polymer solid lube utilizing high performance synthetic lubricants. Formulated to withstand and inhibit corrosion in most food-processing environments that involve moisture and wash-down, performs equally well in similar industrial applications. Low temp to -55°F (-48°C).	white	-55°F to 200°F (-48°C to 93°C)
B	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Same kinds of food-processing and industrial applications as F lube (withstand moisture, corrosion inhibitors) with low temp to -65°F (-54°C)	white	-65°F to 200°F (-54°C to 93°C)
K	EPL	Food grade oil-permeated polymer solid lube utilizing high performance synthetic lubricants. Moisture resistance and corrosion inhibitors like F lube, with the ability to operate in high temps to 350°F (176°C)	white	-25°F to 350°F (-32°C to 176°C)
C	EPL	Food grade oil-permeated polymer solid lubricant utilizing high performance synthetic lubricants. Designed to resist moisture, with more aggressive resistance to cleaners including strong oxidizers (elements that are high pH.) High temp stability to 350°F (176°C)	white	-33°F to 350°F (-36°C to 176°C)
W	EGL	Food grade graphite-based solid lube resistance to most chemicals (wide pH range, except extreme pH.) Unaffected by moisture, radiation and UV resistant. Wide temperature range -150°F to 250°F. Low friction. Inert nature of graphite can be useful in wide range of applications. EGL is brittle and impact may accelerate loss of the lube. Vacuum grade available: WV.	black	-150°F to 250°F (-101°C to 121°C)
M	EGL	Food grade graphite based solid lubricant designed to operate within the range of most high temperature processing applications, from 250°F to 450°F including submerged in oil & other liquids, in ovens and fryers. UV- and radiation- resistant. Low friction. Hardness of lube can be advantageous with abrasion. EGLs are brittle, M is more brittle than W. Vacuum grade available: MV.	black	250°F to 450°F (121°C to 232°C)
T	EGL	Food grade graphite based solid lubricant designed to operate within the range of industrial- and some food- processing applications, from 450°F to 650°F; intermittently to 900°F is feasible. Abrasion-, radiation- and UV- resistant. Low friction. EGLs are brittle, T more brittle than M. Vacuum grade available: TV.	black	450°F to 650°F (232°C to 343°C)
Note: solid lubricants reduce the maximum speed and load capacity of bearings				

EDT Ball Bearing Part Numbering System

Ball Bearing Material		Ball Bearing Style		Bearing or Housing Size		Modifier		Shaft	Lubricant* See EDT Solid Lubricants chart on pg F-2		Modifier	
4	400 stainless	Y	Set screw (Classic)	Examples:		Blank	Bearing only (not assembly)	Size in 16ths	G	Food grade grease: Mobilgrease FM222 Freezer to oven	X	Standard
3	300 stainless	U	Wide eccentric (Choice)	205	Ring size				F	Food grade EPL -55°F to 200°F / -48°C to 93°C	Z	Shield
5	NC steel	E	Narrow eccentric	1GE	Housing group	8	Mounted ball bearing in housing		B	Food grade EPL -65°F to 200°F / -54°C to 93°C	O	Open
6	52100 steel	0	Unmounted	Details in charts below					K	Food grade EPL -25°F to 350°F / -32°C to 176°C	SM	Wider unit
7	Alloy	F	Flanged unmounted						C	Food grade EPL -33°F to 350°F / 36°C to 176°C		
		B	Set screw (Value)						W	Food grade EGL -150°F to 250°F / -101°C to 121°C		
									M	Food grade EGL -150°F to 250°F / -101°C to 121°C		
									T	Food grade EGL 250°F to 450°F / 121°C to 232°C		
									J, P, E	Solid lubricants EPL By special arrangement		
									R	Industrial EPL 40°F to 500°F / 5°C to 260°C		

*Lubricants listed as food grade are designated H1

EPL: EDT polymer solid lubricant
EGL: EDT graphite solid lubricant

Housing Shape / Profile Indicators

Indicators	Housing styles
1	Pillow block
2	2-Bolt flange
3	3-Bolt, extension
4	4-Bolt
5	Take-up, narrow
6	2-Bolt flange, small bolt pattern
7	Take-up, wide
8	Hanger
9	Tapped base pillow block
10	Pillow block, low backing height
22	3-Bolt, triangular
23	3-Bolt, extension, smaller profile
24	4-Bolt, piloted
32	3-Bolt, round

Housing Material Indicators

Indicators	Housing material
G	Polymer; EDT "KG"
A	Stainless 304/316
F	Cast iron
P	Cast stainless
E	Type E stainless

Group / Size Indicators

Ball Bearing Ring Size	Spherical Size: Ball Bearing OD Housing ID	EDT Group Size
201, 202, 203	1.575" / 40mm	A
204	1.850" / 47mm	B
205	2.047" / 52mm	C
206	2.441" / 62mm	D
207	2.835" / 72mm	E
208	3.150" / 80mm	F
209	3.346" / 85mm	G
210	3.543" / 90mm	H
211	3.937" / 100mm	I
212	4.331" / 110mm	J
214	4.921" / 125mm	K
215	5.128" / 130mm	L

Additional Sizes (not available in SS)

Ring Size	Spherical OD	EDT Group Size
213	4.724" / 120mm	Z
216	5.511" / 140mm	M
217	5.905" / 150mm	N
218	6.299" / 160mm	O
219	6.693" / 170mm	P
220	7.480" / 190mm	Q
221	7.874" / 200mm	R

Stainless Steel Insert Bearings - Technical Data

Materials of EDT Stainless Steel Insert Bearings	
Available styles	Set screw (Y or B), eccentric (U)
Races and balls	440C SS
Retainer (cage), flingers	300-series SS
Collar	300-series SS (U)
Seals - single lip	Silicon rubber (Y or U) -60°F to 400°F / -51°C to 204°C Buna-N (B) -30°F to 250°F / -34°C to 121°C
Grade of balls	G16
Set screws	300-series SS (at 120°)
Grease	FM221 (FM222-B) food grade grease or EPL or EGL (refer to page F-2)

Speed and Load Capacity of Insert Bearings			
	Speed	Load lbf	
Ring	RPM	Static Load	Dynamic
204	4835	1190	2435
205	4610	1425	2650
206	4050	2040	3720
207	3690	2751	4900
208	3240	3240	5595
209	3015	3580	6250
210	2700	4190	6770
211	2250	5387	8165
212	1950	6590	9980
214	1680	7210	10860
215	1450	8220	11420

Bearing Internal Clearances

EDT stainless steel ball bearings are made to the Normal or 'CN' (Class Normal) standard for fit and tolerancing of insert (mounted) bearings.

Normal fit in combination with typical 440C martensitic stainless steel material and associated heat treating, indicate EDT bearings meet the speed and load ratings standard with all bearings in this class. Refer to chart.

Operational parameters: if any of these…	Bearing Internal Clearance
Low to no load Low speed Temperature: Cryogenic to room temperature Requirement for fairly close tolerance No preload	C2
Moderate load Low to medium speed Temperature: Freezing to boiling Low torque Light preload Slight interference fit on either I.D. or O.D.	CN (Class Normal)
High load High temperature: Room temperature to 650°**F** Very low torque Preloaded Significant interference fit	C3, C4, C5

The life of all bearings will vary according to their environment, speed, and load, as well as the lubrication that is specified.

EDT bearings are designed for middle market applications such as conveyors, packaging machines, food processing equipment, machinery, and general fans. They are not designed for devices such as very high speed fans, high speed spindles, or precision equipment. For applications with these conditions, please contact our technical sales staff for possible custom products.

Seals

EDT ball bearings are configured with single lip seals on each side of the retainers. Insert bearings typically are covered by 302 stainless flanges.

Shaft size tolerances required for insert bearings		
		
Shaft size	**Ball bearing insert* (Y+B)**	**Ball bearing insert* (U)**
1/2" to 1-15/16"	nominal to -.0006" no plus	nominal to -.0006" no plus
2" to 3-1/8"	nominal to -.0007" no plus	nominal to -.0007" no plus
3-1/4" to 4-1/2"	nominal to -.0009" no plus	nominal to -.0009" no plus

- *The fit between the shaft and the bearing must be on the low end of the tolerance in order to be able to reach the maximum capacities of a bearing.*
- *For heavy loads, there should also be a close fit between ball bearing and the shaft. For heavy loads where there is NOT high speed, consider plane bearings, like EDT Poly-Round®.*
- *TGP (Turned, Ground and Polished) shafting is recommended for applications with higher operating speeds.*

Tightening torque limits of stainless set screws			
On set screw locking bearings			
203-206 ring A-D	207-209 ring E-G	210-212 ring H-J	214-215 ring L-M
29 inch-pounds	60 inch-pounds	110 inch-pounds	~170 inch-pounds
*An alternative to set screw locking is eccentric locking ball bearings. Eccentric style is a more positive locking system than set screws. Eccentric bearings are not for reversing installations.			
On eccentric locking bearings			
203-205 ring A-C	206-210 ring D-H	211-215 ring I-L	216-220 ring M-P
35 inch-pounds	74 inch-pounds	~155 inch-pounds	~245 inch-pounds
When mounting bearing insert onto shaft, torque pressure for inner race set screws should not exceed these limits.			

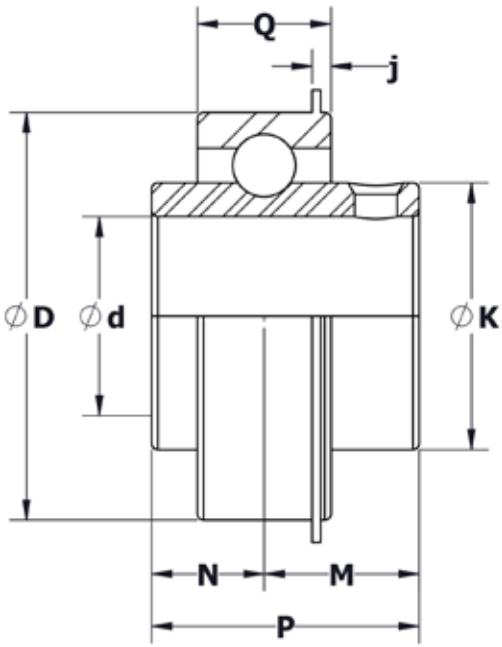
Materials of EDT Steel Insert Bearings	
Some applications do not need the non-corrosive properties of stainless steel. Steel bearings have 2 times the speed and load capacity of stainless ball bearings (style 6).	
Available styles	Set screw (Y), Eccentric (U)
Races and balls	52100 steel
Retainer (cage), flingers	#8 steel
Seals - single lip	Buna-N with steel backing -30°F to 250°F / -34°C to 121°C
Set screws, anti-rotation pins, rivets	#45 steel
Grease	Industrial grease or EPL or EGL

Idle Bearing Maintenance Recommendations by EDT

Refer to Technical Update 6-1-2015, EDT product catalog page T-27: "Maintenance Recommendation for Extended Idle Bearing Conditions"

ER Style Ball Bearing

ER style set screw stainless ball bearing Series “4Y”



Materials of EDT Stainless Steel ER Bearings	
Available styles	Set screw (Y)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Seals	Silicon rubber (single lip)
Set screws (at 120°)	300-series SS
Grade of balls	G16
Snap Ring	300 series stainless or Nickel-plated

“x” indicates a 2-letter designation for lube & seals

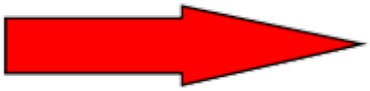
PART NUMBER	ER Interchange	Ød Shaft Diameter	ØD in. mm	ØK in. mm	j in. mm	M in. mm	N in mm	P in. mm	Q in. mm	2 ea ss set screw	Wt. lbs.
4YER204-10 X 4YER204-12 X 4YER204-20M X	ER-10 ER-12 ER-204	5/8" 3/4" 20mm	1.850 47.0	1.14 29.0	0.09 2.4	0.81 20.7	0.41 10.3	1.22 31.0	0.63 15.9	1/4-28	0.46
4YER205-25M X 4YER205-16 X	ER-205 ER-16	25mm 1"	2.047 52.0	1.34 34.0	0.09 2.4	0.86 21.8	0.52 13.1	1.38 34.9	0.75 19.1	1/4-28	0.60
4YER206-19 X	ER-19	1-3/16"	2.441 62.0	1.60 40.6	0.13 3.2	0.88 22.2	0.63 15.9	1.50 38.1	0.88 22.2	1/4-28	0.80
4YER207-20 X	ER-20	1-1/4"	2.835 72.0	1.87 47.4	0.13 3.2	1.00 25.4	0.69 17.5	1.69 42.9	0.94 23.8	5/16-24	1.20
4YER208-24 X	ER-24	1-1/2"	3.150 80.0	2.08 52.7	0.13 3.2	1.19 30.1	0.75 19.1	1.94 49.2	1.09 27.8	5/16-24	1.54

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

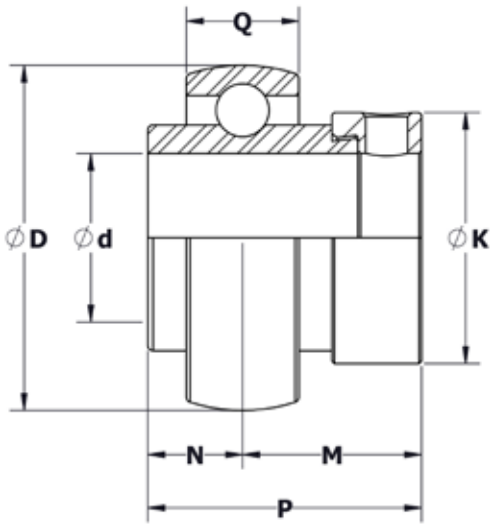
Example: GX = food grade grease with standard seals & flingers

BALL BEARING INSERTS CONTINUE ON PAGE 7



Eccentric Style Ball Bearing Insert - CHOICE SERIES

CHOICE



Series "4U"

Available as insert only or assembled in housing

Materials of EDT Stainless Steel Insert Bearings	
Available styles	Eccentric (U)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Collar	300-series SS
Seals	Silicon rubber (single lip)
Grade of balls	G16
Grease	Food-grade grease or solid lubricant with seals and flingers as appropriate

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation for lube & seals

PART NUMBER	Ød Shaft Diameter	ØD in. mm	ØK in. mm	M in. mm	N in mm	P in. mm	Q in. mm	1 ea ss set screw	Wt. lbs.
4U203-08 X 4U203-10 X	1/2" 5/8"	1.575 40	1.13 28.6	0.91 23.1	0.39 10.0	1.30 33.1	0.59 15.0	10-32	0.29
4U204-10 X 4U204-12 X 4U204-20M X	5/8" 3/4" 20mm	1.850 47	1.31 33.3	1.05 26.6	0.5 12.7	1.55 39.3	0.67 17.0	1/4-28	0.42
4U205-25M X 4U205-16 X	25mm 1"	2.047 52	1.50 38.1	1.06 26.9	0.56 14.3	1.62 41.2	0.67 17.0	1/4-28	0.50
4U206-30M X 4U206-19 X 4U206-20 X	30mm 1-3/16" 1-1/4"	2.441 62	1.75 44.5	1.19 30.1	0.63 15.9	1.81 46.0	0.75 19.0	5/16-24	0.80
4U207-20 X 4U207-22 X 4U207-23 X	1-1/4" 1-3/8" 1-7/16""	2.835 72	2.19 55.6	1.27 32.3	0.69 17.5	1.96 49.8	0.79 20.0	5/16-24	1.28
4U208-24 X 4U208-40M X	1-1/2" 40mm	3.150 80	2.37 60.3	1.37 34.9	0.75 19.0	2.12 53.9	0.87 22.0	5/16-24	1.71
4U209-28 X	1-3/4"	3.346 85	2.50 63.5	1.37 34.9	0.75 19.0	2.12 53.9	0.87 22.0	5/16-24	1.70
4U210-31 X 4U210-50M X 4U210-32 X	1-15/16" 50mm 2"	3.543 90	2.75 69.9	1.50 38.1	0.75 19.0	2.25 57.1	0.95 24.0	5/16-24	1.94
4U211-32 X 4U211-35 X	2" 2-3/16"	3.937 100	3.00 76.2	1.72 43.6	0.87 22.2	2.59 65.8	0.98 25.0	3/8-24	3.07
4U212-39 X	2-7/16"	4.331 110	3.32 84.2	1.84 46.8	1.00 25.4	2.84 72.2	1.06 27.0	3/8-24	3.51
4U214-44 X	2-3/4"	4.921 125	4.02 102.0	1.94 49.2	1.19 30.2	3.13 79.4	1.14 29.0	3/8-24	4.91
4U215-47 X 4U215-75M X 4U215-48 X	2-15/16" 75mm 3"	5.118 130	4.02 102.0	2.15 54.6	1.31 33.3	3.46 87.9	1.26 32.0	3/8-24	5.75

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

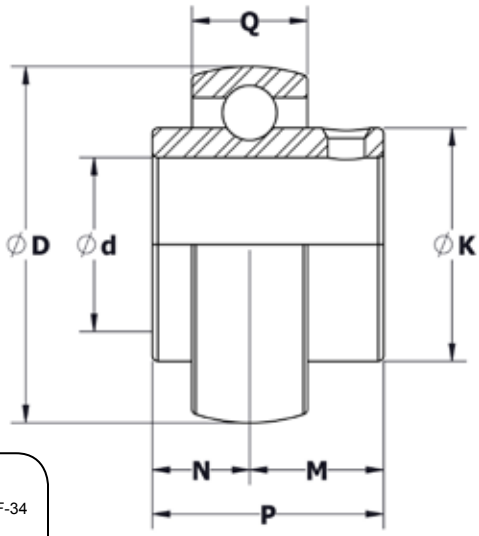
Set Screw Style Ball Bearing - CLASSIC SERIES

CLASSIC

Series "4Y"

Available as insert only or assembled in housing

Materials of EDT Stainless Steel Insert Bearings	
Available styles	Set screw (Y)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Seals	Silicon rubber (single lip)
Set screws (at 120°)	300-series SS
Grade of balls	G16
Grease	Food-grade grease or solid lubricant with seals and flingers as appropriate



"x" indicates a 2-letter designation for lube & seals

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

Part #	Ød Shaft Diameter	ØD in. mm	ØK in. mm	M in. mm	N in mm	P in. mm	Q in. mm	2 ea ss set screw	Wt. lbs.
4Y203-12M X 4Y203-08 X 4Y203-09 X 4Y203-15M X 4Y203-10 X 4Y203-17M X	12mm 1/2" 9/16" 15mm 5/8" 17mm	1.575 40	0.97 24.6	0.61 15.5	0.41 10.5	1.02 26.0	0.59 15.0	10-24	0.22
4Y204-12M X 4Y204-08 X 4Y204-15M X 4Y204-10 X 4Y204-17M X 4Y204-11 X 4Y204-12 X 4Y204-20M X	12mm 1/2" 15mm 5/8" 17mm 11/16" 3/4" 20mm	1.850 47	1.14 29.0	0.72 18.3	0.50 12.7	1.22 31.0	0.63 16.0	1/4-28	0.35
4Y205-12 X 4Y205-14 X 4Y205-15 X 4Y205-25M X 4Y205-16 X	3/4" 7/8" 15/16" 25mm 1"	2.047 52	1.34 34.0	0.78 19.7	0.56 14.3	1.34 34.0	0.67 17.0	1/4-28	0.40
4Y206-16 X 4Y206-17 X 4Y206-18 X 4Y206-30M X 4Y206-19 X 4Y206-20 X	1" 1-1/16" 1-1/8" 30mm 1-3/16" 1-1/4"	2.441 62	1.59 40.5	0.87 22.2	0.63 15.9	1.50 38.1	0.75 19.0	5/16-24	0.67
4Y207-19 X 4Y207-20 X 4Y207-21 X 4Y207-22 X 4Y207-35M X 4Y207-23 X	1-3/16" 1-1/4" 1-5/16" 1-3/8" 35mm 1-7/16""	2.835 72	1.84 46.8	1.00 25.4	0.69 17.5	1.69 42.9	0.79 20.0	5/16-24	1.10
4Y208-23 X 4Y208-24 X 4Y208-40M X	1-7/16" 1-1/2" 40mm	3.150 80	2.08 52.8	1.19 30.2	0.75 19.0	1.94 49.2	0.83 21.0	5/16-24	1.41
4Y209-24 X 4Y209-26 X 4Y209-27 X 4Y209-28 X 4Y209-45M X	1-1/2" 1-5/8" 1-11/16" 1-3/4" 45mm	3.346 85	2.31 58.6	1.19 30.2	0.75 19.0	1.94 49.2	0.87 22.0	5/16-24	1.48
4Y210-28 X 4Y210-30 X 4Y210-31 X 4Y210-50M X 4Y210-32 X	1-3/4" 1-7/8" 1-15/16" 50mm 2"	3.543 90	2.45 62.2	1.28 32.6	0.75 19.0	2.03 51.6	0.91 23.0	5/16-24	1.68
4Y211-32 X 4Y211-55M X 4Y211-35 X 4Y211-36 X	2" 55mm 2-3/16" 2-1/4"	3.937 100	2.76 70.0	1.32 33.4	0.87 22.2	2.19 55.6	0.95 24.0	3/8-24	2.2
4Y212-36 X 4Y212-60M X 4Y212-39 X	2-1/4" 60mm 2-7/16"	4.331 110	3.03 77.0	1.56 39.7	1.00 25.4	2.56 65.1	1.02 26.0	3/8-24	3.0
4Y214-39 X 4Y214-40 X 4Y214-70M X 4Y214-44 X	2-7/16" 2-1/2" 70mm 2-3/4"	4.921 125	3.43 87.0	1.75 44.4	1.19 30.2	2.94 74.6	1.14 29.0	7/16-20	4.3
4Y215-40 X 4Y215-43 X 4Y215-44 X 4Y215-45 X 4Y215-47 X 4Y215-75M X 4Y215-48 X	2-1/2" 2-11/16" 2-3/4" 2-13/16" 2-15/16" 75mm 3"	5.118 130	3.60 91.5	1.75 44.5	1.31 33.3	3.06 77.8	1.18 30.0	1/2-20	4.4

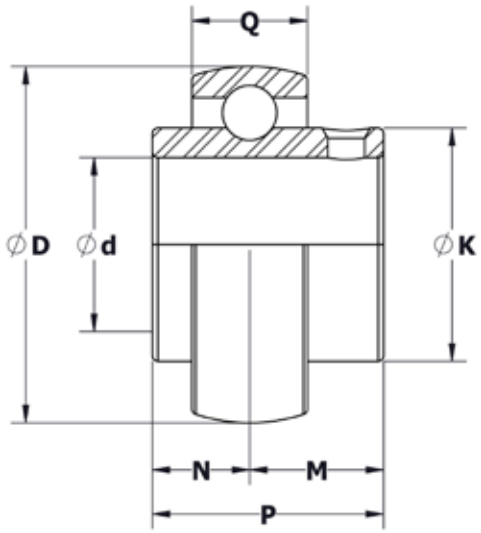
X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

Set Screw Style Ball Bearing - VALUE SERIES

VALUE



Series "4B"

Available as insert only or assembled in housing

Materials of EDT Stainless Steel Insert Bearings	
Available styles	Set screw (B)
Races and balls	440C SS
Retainer (cage), flinger	300-series SS
Seals	Buna-N
Set screws (at 120°)	300-series SS
Grade of balls	G16
Grease	Food-grade grease or solid lubricant that is flush-filled ("open")

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation for lube & seals

Part #	Ød Shaft Diameter	ØD in. mm	ØK in. mm	M in. mm	N in mm	P in. mm	Q in. mm	2 ea ss set screw	Wt. lbs.
4B204-12 X 4B204-20M X	12mm 20mm	1.850 47	1.14 29.0	0.72 18.3	0.50 12.7	1.22 31.0	0.63 16.0	1/4-28	0.35
4B205-25M 6 X 4B205-16 6 X	25mm 1"	2.047 52	1.34 34.0	0.78 19.7	0.56 14.3	1.34 34.0	0.67 17.0	1/4-28	0.40
4B206-30M X 4B206-19 X 4B206-20 X	30mm 1-3/16" 1-1/4"	2.441 62	1.59 40.5	0.87 22.2	0.63 15.9	1.50 38.1	0.75 19.0	5/16-24	0.67
4B207-20 X 4B207-35M X 4B207-23 X	1-3/16" 35mm 1-7/16""	2.835 72	1.84 46.8	1.00 25.4	0.69 17.5	1.69 42.9	0.79 20.0	5/16-24	1.10
4B208-24 X 4B208-40M X	1-1/2" 40mm	3.150 80	2.08 52.8	1.19 30.2	0.75 19.0	1.94 49.2	0.83 21.0	5/16-24	1.41
4B209	Available for special order	3.346 85	2.31 58.6	1.19 30.2	0.75 19.0	1.94 49.2	0.87 22.0	5/16-24	1.48
4B210	Available for special order	3.543 90	2.45 62.2	1.28 32.6	0.75 19.0	2.03 51.6	0.91 23.0	5/16-24	1.68
4B211	Available for special order	3.937 100	2.76 70.0	1.32 33.4	0.87 22.2	2.19 55.6	0.95 24.0	3/8-24	2.2
4B212	Available for special order	4.331 110	3.03 77.0	1.56 39.7	1.00 25.4	2.56 65.1	1.02 26.0	3/8-24	3.0

X indicates a 2-letter designation for lube & seals

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F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

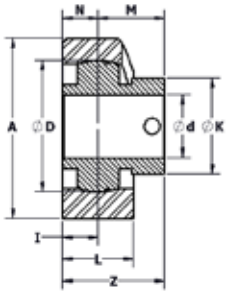
ECCENTRIC BALL BEARINGS BEGIN ON PAGE 10

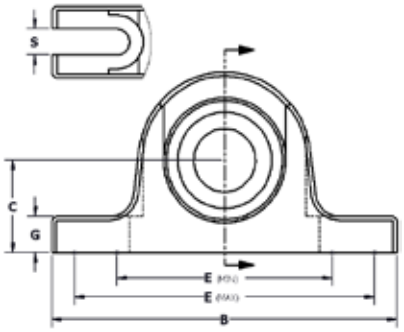
Stainless Ball Solution® Pillow Block

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Standard backing height Series “1”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph. depth	Bolt size			Overall LTB of brg (I+M)	Brg collar size	Housing	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K	PN	WIDE ECC
				1.575	2.13	5	1.06	2.94	4.06	0.44	1.13	0.56	3/8	0.91	0.39	1.47	1.13	1AA	
4U1AA8-08 x		1/2	8	40	54.1	127.0	26.9	74.7	103.1	11.2	28.7	14.2		23.1	9.9	37.3	28.7		4U203-08 x
4U1AA8-10 x		5/8	10																4U203-10 x
				1.850	2.56	5.25	1.31	3.25	4.38	0.5	1.13	0.56	3/8	1.05	0.5	1.61	1.31	1AB	
4U1AB8-08 x		1/2	8	47	65.0	133.4	33.3	82.6	111.3	12.7	28.7	14.2		26.7	12.7	40.9	33.3		4U204-08 x
4U1AB8-10 x		5/8	10																4U204-10 x
4U1AB8-12 x		3/4	12																4U204-12 x
4U1AB8-20M x	20M																		4U204-20M x
				2.047	2.81	5.5	1.44	3.44	4.63	0.56	1.13	0.56	3/8	1.06	0.56	1.62	1.5	1AC	
				52	71.4	139.7	36.6	87.4	117.6	14.2	28.7	14.2		26.9	14.2	41.1	38.1		
4U1AC8-25M x	25M																		4U205-25M x
4U1AC8-16 x		1	16																4U205-16 x
				2.441	3.25	6.25	1.69	4.13	5.13	0.69	1.47	0.73	1/2	1.19	0.63	1.92	1.75	1AD	
				62	82.6	158.8	42.9	104.9	130.3	17.5	37.3	18.5		30.2	16.0	48.8	44.5		
4U1AD8-30M x	30M																		4U206-30M x
4U1AD8-19 x		1-3/16	19																4U206-19 x
4U1AD8-20 x		1-1/4	20																4U206-20 x
				2.835	3.75	6.56	1.88	4.69	5.44	0.69	1.47	0.73	1/2	1.27	0.69	2.00	2.19	1AE	
4U1AE8-20 x		1-1/4	20	72	95.3	166.6	47.8	119.1	138.2	17.5	37.3	18.5		32.3	17.5	50.8	55.6		4U207-20 x
4U1AE8-22 x		1-3/8	22																4U207-22 x
4U1AE8-35M x	35M																		4U207-35M x
4U1AE8-23 x		1-7/16	23																4U207-23 x
				3.150	4.19	7.25	2.13	5	6.13	0.75	1.63	0.81	1/2	1.37	0.75	2.18	2.37	1AF	
4U1AF8-24 x		1-1/2	24	80	106.4	184.2	54.1	127.0	155.7	19.1	41.4	20.6		34.8	19.1	55.4	60.2		4U208-24 x
4U1AF8-40M x	40M																		4U208-40M x
				3.346	4.25	7.44	2.13	5.31	6.31	0.75	1.72	0.86	1/2	1.37	0.75	2.23	2.5	1AG	
				85	108.0	189.0	54.1	134.9	160.3	19.1	43.7	21.8		34.8	19.1	56.6	63.5		
4U1AG8-28 x		1-3/4	28																4U209-28 x
				3.543	4.5	8.13	2.25	5.88	6.75	0.75	1.97	0.99	5/8	1.5	0.75	2.49	2.75	1AH	
				90	114.3	206.5	57.2	149.4	171.5	19.1	50.0	25.1		38.1	19.1	63.2	69.9		
4U1AH8-31 x		1-15/16	31																4U210-31 x
4U1AH8-50M x	50M																		4U210-50M x
4U1AH8-32 x		2	32																4U210-32 x
4U1AI8-32 x		2	32	3.937	4.94	8.88	2.5	6.38	7.5	0.88	1.97	0.99	5/8	1.72	0.87	2.71	3	1AI	4U211-32 x
				100	125.5	225.6	63.5	162.1	190.5	22.4	50.0	25.1		43.7	22.1	68.8	76.2		
4U1AI8-35 x		2-3/16	35																4U211-35 x
				4.331	5.38	9.5	2.75	6.44	8.13	0.88	1.97	0.99	5/8	1.84	1	2.83	3.32	1AJ	
				110	136.7	241.3	69.9	163.6	206.5	22.4	50.0	25.1		46.7	25.4	71.9	84.3		
4U1AJ8-39 x		2-7/16	39																4U212-39 x
				4.921	6.06	10.75	3	7.44	9.13	0.94	1.97	0.99	3/4	1.94	1.19	2.93	4.02	1AK	
				125	153.9	273.1	76.2	189.0	231.9	23.9	50.0	25.1		49.3	30.2	74.4	102.1		
4U1AK8-44 x		2-3/4	44																4U214-44 x
				5.128	6.75	11.75	3.5	8.25	9.75	1	2.47	1.24	7/8	2.15	1.31	3.39	4.02	1AL	
				130	171.5	298.5	88.9	209.6	247.7	25.4	62.7	31.5		54.6	33.3	86.1	102.1		
4U1AL8-47 x		2-15/16	47																4U215-47 x
4U1AL8-75M x	75M																		4U215-75M x
4U1AL8-48 x		3	48																4U215-48 x

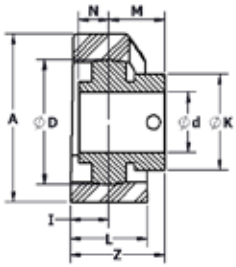
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

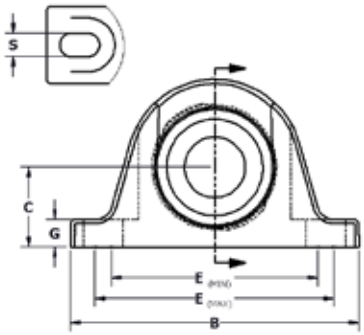
Stainless Ball Solution®
Pillow Block

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Standard backing height Series “1”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph. depth	Bolt size			Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	2.25	5	1.06	2.94	4.06	0.44	1.25	0.63	3/8	0.91	0.39	1.54	1.13	1GA	
4U1GA8-08 x		1/2	8	40	57.2	127.0	26.9	74.7	103.1	11.2	31.8	16.0		23.1	9.9	39.1	28.7		4U203-08 x
4U1GA8-10 x		5/8	10																4U203-10 x
				1.850	2.69	5.25	1.31	3.25	4.38	0.5	1.38	0.69	3/8	1.05	0.5	1.74	1.31	1GB	
4U1GB8-08 x		1/2	8	47	68.3	133.4	33.3	82.6	111.3	12.7	35.1	17.5		26.7	12.7	44.2	33.3		4U204-08 x
4U1GB8-10 x		5/8	10																4U204-10 x
4U1GB8-12 x		3/4	12																4U204-12 x
4U1GB8-20M x	20M																		4U204-20M x
				2.047	2.94	5.5	1.44	3.44	4.63	0.56	1.5	0.75	3/8	1.06	0.56	1.81	1.5	1GC	
				52	74.7	139.7	36.6	87.4	117.6	14.2	38.1	19.1		26.9	14.2	46.0	38.1		
4U1GC8-25M x	25M																		4U205-25M x
4U1GC8-16 x		1	16																4U205-16 x
				2.441	3.38	6.25	1.69	4.13	5.13	0.69	1.75	0.88	1/2	1.19	0.63	2.07	1.75	1GD	
				62	85.9	158.8	42.9	104.9	130.3	17.5	44.5	22.4		30.2	16.0	52.6	44.5		
4U1GD8-30M x	30M																		4U206-30M x
4U1GD8-19 x		1-3/16	19																4U206-19 x
4U1GD8-20 x		1-1/4	20																4U206-20 x
				2.835	3.88	6.56	1.88	4.69	5.44	0.69	1.75	0.88	1/2	1.27	0.69	2.15	2.19	1GE	
4U1GE8-20 x		1-1/4	20	72	98.6	166.6	47.8	119.1	138.2	17.5	44.5	22.4		32.3	17.5	54.6	55.6		4U207-20 x
4U1GE8-22 x		1-3/8	22																4U207-22 x
4U1GE8-35M x	35M																		4U207-35M x
4U1GE8-23 x		1-7/16	23																4U207-23 x
				3.150	4.31	7.25	2.13	5	6.13	0.75	1.94	0.97	1/2	1.37	0.75	2.34	2.37	1GF	
4U1GF8-24 x		1-1/2	24	80	109.5	184.2	54.1	127.0	155.7	19.1	49.3	24.6		34.8	19.1	59.4	60.2		4U208-24 x
4U1GF8-40M x	40M																		4U208-40M x
				3.346	4.38	7.44	2.13	5.31	6.31	0.75	2	1	1/2	1.37	0.75	2.37	2.5	1GG	
				85	111.3	189.0	54.1	134.9	160.3	19.1	50.8	25.4		34.8	19.1	60.2	63.5		
4U1GG8-28 x		1-3/4	28																4U209-28 x
				3.543	4.63	8.13	2.25	5.88	6.75	0.75	2.25	1.13	5/8	1.5	0.75	2.63	2.75	1GH	
				90	117.6	206.5	57.2	149.4	171.5	19.1	57.2	28.7		38.1	19.1	66.8	69.9		
4U1GH8-31 x		1-15/16	31																4U210-31 x
4U1GH8-50M x	50M																		4U210-50M x
4U1GH8-32 x		2	32																4U210-32 x
4U1GI8-32 x		2	32	3.937	5.13	8.88	2.5	6.38	7.5	0.88	2.38	1.19	5/8	1.72	0.87	2.91	3	1GI	4U211-32 x
				100	130.3	225.6	63.5	162.1	190.5	22.4	60.5	30.2		43.7	22.1	73.9	76.2		
4U1GI8-35 x		2-3/16	35																4U211-35 x
				4.331	5.5	9.5	2.75	6.44	8.13	0.88	2.5	1.25	5/8	1.84	1	3.09	3.32	1GJ	
				110	139.7	241.3	69.9	163.6	206.5	22.4	63.5	31.8		46.7	25.4	78.5	84.3		
4U1GJ8-39 x		2-7/16	39																4U212-39 x
				4.921	6.25	10.75	3	7.44	9.13	0.94	2.75	1.38	3/4	1.94	1.19	3.32	4.02	1GK	
				125	158.8	273.1	76.2	189.0	231.9	23.9	69.9	35.1		49.3	30.2	84.3	102.1		
4U1GK8-44 x		2-3/4	44																4U214-44 x
				5.128	6.88	11.75	3.5	8.25	9.75	1	2.88	1.44	7/8	2.15	1.31	3.59	4.02	1GL	
				130	174.8	298.5	88.9	209.6	247.7	25.4	73.2	36.6		54.6	33.3	91.2	102.1		
4U1GL8-47 x		2-15/16	47																4U215-47 x
4U1GL8-75M x	75M																		4U215-75M x
4U1GL8-48 x		3	48																4U215-48 x

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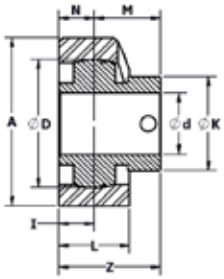
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

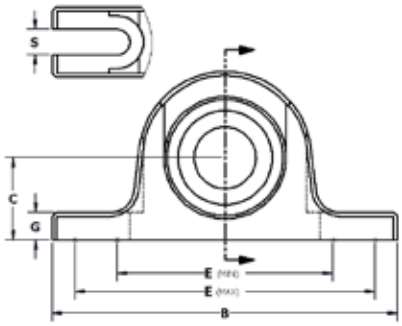
Stainless Ball Solution® Pillow Block

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Low backing height Series “10”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575										0.91	0.39		1.13	10AA	
4U10AA8-08 x		1/2	8	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		23.1	9.9	0.0	28.7		4U203-08 x
4U10AA8-10 x		5/8	10																4U203-10 x
				1.850	2.5	5.25	1.25	3.25	4.38	0.44	1.13	0.56	3/8"	1.05	0.5	1.61	1.31	10AB	
4U10AB8-08 x		1/2	8	47	63.5	133.4	31.8	82.6	111.3	11.2	28.7	14.2		26.7	12.7	40.9	33.3		4U204-08 x
4U10AB8-10 x		5/8	10																4U204-10 x
4U10AB8-12 x		3/4	12																4U204-12 x
4U10AB8-20M x	20M																		4U204-20M
				2.047	2.69	5.5	1.31	3.44	4.63	0.44	1.13	0.56	3/8"	1.06	0.56	1.62	1.5	10AC	
				52	68.3	139.7	33.3	87.4	117.6	11.2	28.7	14.2		26.9	14.2	41.1	38.1		
4U10AC8-25M x	25M																		4U205-25M x
4U10AC8-16 x		1	16																4U205-16 x
				2.441	3.13	6.25	1.56	4.13	5.13	0.56	1.47	0.74	1/2"	1.19	0.63	1.93	1.75	10AD	
				62	79.4	158.8	39.6	104.9	130.3	14.2	37.3	18.8		30.2	16.0	49.0	44.5		
4U10AD8-30M x	30M																		4U206-30M x
4U10AD8-19 x		1-3/16	19																4U206-19 x
4U10AD8-20 x		1-1/4	20																4U206-20 x
				2.835	3.69	6.56	1.81	4.69	5.44	0.63	1.47	0.74	1/2"	1.27	0.69	2.01	2.19	10AE	
4U10AE8-20 x		1-1/4	20	72	93.7	166.6	46.0	119.1	138.2	16.0	37.3	18.8		32.3	17.5	51.1	55.6		4U207-20 x
4U10AE8-22 x		1-3/8	22																4U207-22 x
4U10AE8-35M x	35M																		4U207-35M x
4U10AE8-23 x		1-7/16	23																4U207-23 x
				3.150	4	7.25	1.94	5	6.13	0.56	1.625	0.81	1/2"	1.37	0.75	2.18	2.37	10AF	
4U10AF8-24 x		1-1/2	24	80	101.6	184.2	49.3	127.0	155.7	14.2	41.3	20.6		34.8	19.1	55.4	60.2		4U208-24 x
4U10AF8-40M x	40M																		4U208-40M x
				3.346	4.19	7.44	2.06	5.31	6.31	0.69	1.72	0.86	1/2"	1.37	0.75	2.23	2.5	10AG	
				85	106.4	189.0	52.3	134.9	160.3	17.5	43.7	21.8		34.8	19.1	56.6	63.5		
4U10AG8-28 x		1-3/4	28																4U209-28 x
				3.543	4.44	8.13	2.19	5.88	6.75	0.69	1.97	0.99	5/8"	1.5	0.75	2.49	2.75	10AH	
				90	112.8	206.5	55.6	149.4	171.5	17.5	50.0	25.1		38.1	19.1	63.2	69.9		
4U10AH8-31 x		1-15/16	31																4U210-31 x
4U10AH8-50M x	50M																		4U210-50M x
4U10AH8-32 x		2	32																4U210-32 x
4U10AI8-32 x		2	32	3.937	4.88	8.88	2.44	6.38	7.5	0.81	1.97	0.99	5/8"	1.72	0.87	2.71	3	10AI	4U211-32 x
				100	124.0	225.6	62.0	162.1	190.5	20.6	50.0	25.1		43.7	22.1	68.8	76.2		
4U10AI8-35 x		2-3/16	35																4U211-35 x
				4.331	5.31	9.5	2.69	6.44	8.13	0.81	1.97	0.99	5/8"	1.84	1	2.83	3.32	10AJ	
				110	134.9	241.3	68.3	163.6	206.5	20.6	50.0	25.1		46.7	25.4	71.9	84.3		
4U10AJ8-39 x		2-7/16	39																4U212-39 x
				4.921	6.19	10.75	3.13	7.44	9.13	1.06	1.97	0.99	3/4"	1.94	1.19	2.93	4.02	10AK	
				125	157.2	273.1	79.5	189.0	231.9	26.9	50.0	25.1		49.3	30.2	74.4	102.1		
4U10AK8-44 x		2-3/4	44																4U214-44 x
				5.128	6.5	11.75	3.25	8.25	9.75	0.75	2.47	1.24	7/8"	2.15	1.31	3.39	4.02	10AL	
				130	165.1	298.5	82.6	209.6	247.7	19.1	62.7	31.5		54.6	33.3	86.1	102.1		
4U10AL8-47 x		2-15/16	47																4U215-47 x
4U10AL8-75M x	75M																		4U215-75M x
4U10AL8-48 x		3	48																4U215-48 x

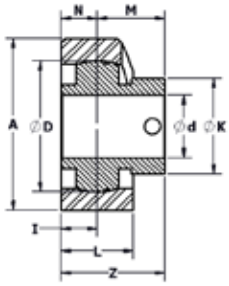
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

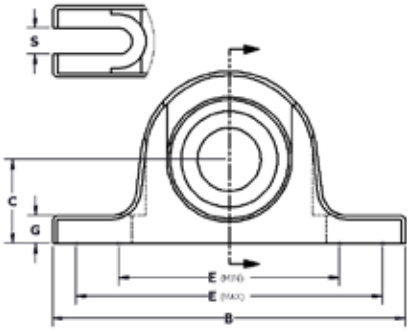
Stainless Ball Solution® Pillow Block

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Low backing height Series "10"
Polymer housing Series "G"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575										0.91	0.39		1.13	10GA	
4U10GA8-08 x		1/2	8	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		23.1	9.9	0.0	28.7		4U203-08 x
4U10GA8-10 x		5/8	10																4U203-10 x
				1.850	2.63	5.25	1.25	3.25	4.38	0.44	1.38	0.69	3/8"	1.05	0.5	1.74	1.31	10GB	
4U10GB8-08 x		1/2	8	47	66.7	133.4	31.8	82.6	111.3	11.2	35.1	17.5		26.7	12.7	44.2	33.3		4U204-08 x
4U10GB8-10 x		5/8	10																4U204-10 x
4U10GB8-12 x		3/4	12																4U204-12 x
4U10GB8-20M x	20M																		4U204-20M x
				2.047	2.81	5.5	1.31	3.44	4.63	0.44	1.5	0.75	3/8"	1.06	0.56	1.81	1.5	10GC	
				52	71.4	139.7	33.3	87.4	117.6	11.2	38.1	19.1		26.9	14.2	46.0	38.1		
4U10GC8-25M x	25M																		4U205-25M x
4U10GC8-16 x		1	16																4U205-16 x
				2.441	3.25	6.25	1.56	4.13	5.13	0.56	1.75	0.88	1/2"	1.19	0.63	2.07	1.75	10GD	
				62	82.6	158.8	39.6	104.9	130.3	14.2	44.5	22.4		30.2	16.0	52.6	44.5		
4U10GD8-30M x	30M																		4U206-30M x
4U10GD8-19 x		1-3/16	19																4U206-19 x
4U10GD8-20 x		1-1/4	20																4U206-20 x
				2.835	3.81	6.56	1.81	4.69	5.44	0.63	1.75	0.88	1/2"	1.27	0.69	2.15	2.19	10GE	
4U10GE8-20 x		1-1/4	20	72	96.8	166.6	46.0	119.1	138.2	16.0	44.5	22.4		32.3	17.5	54.6	55.6		4U207-20 x
4U10GE8-22 x		1-3/8	22																4U207-22 x
4U10GE8-35M x	35M																		4U207-35M x
4U10GE8-23 x		1-7/16	23																4U207-23 x
				3.150	4.13	7.25	1.94	5	6.13	0.56	1.94	0.97	1/2"	1.37	0.75	2.34	2.37	10GF	
4U10GF8-24 x		1-1/2	24	80	104.8	184.2	49.3	127.0	155.7	14.2	49.3	24.6		34.8	19.1	59.4	60.2		4U208-24 x
4U10GF8-40M x	40M																		4U208-40M x
				3.346	4.31	7.44	2.06	5.31	6.31	0.69	2	1	1/2"	1.37	0.75	2.37	2.5	10GG	
				85	109.5	189.0	52.3	134.9	160.3	17.5	50.8	25.4		34.8	19.1	60.2	63.5		
4U10GG8-28 x		1-3/4	28																4U209-28 x
				3.543	4.56	8.13	2.19	5.88	6.75	0.69	2.25	1.13	5/8"	1.5	0.75	2.63	2.75	10GH	
				90	115.8	206.5	55.6	149.4	171.5	17.5	57.2	28.6		38.1	19.1	66.7	69.9		
4U10GH8-31 x		1-15/16	31																4U210-31 x
4U10GH8-50M x	50M																		4U210-50M x
4U10GH8-32 x		2	32																4U210-32 x
4U10GI8-32 x		2	32	3.937	5.06	8.88	2.44	6.38	7.5	0.81	2.38	1.19	5/8"	1.72	0.87	2.91	3	10GI	4U211-32 x
				100	128.5	225.6	62.0	162.1	190.5	20.6	60.3	30.2		43.7	22.1	73.9	76.2		
4U10GI8-35 x		2-3/16	35																4U211-35 x
				4.331	5.44	9.5	2.69	6.44	8.13	0.81	2.5	1.25	5/8"	1.84	1	3.09	3.32	10GJ	
				110	138.2	241.3	68.3	163.6	206.5	20.6	63.5	31.8		46.7	25.4	78.5	84.3		
4U10GJ8-39 x		2-7/16	39																4U212-39 x
				4.921	6.38	10.75	3.13	7.44	9.13	1.06	2.75	1.38	3/4"	1.94	1.19	3.32	4.02	10GK	
				125	161.9	273.1	79.5	189.0	231.9	26.9	69.9	34.9		49.3	30.2	84.2	102.1		
4U10GK8-44 x		2-3/4	44																4U214-44 x
				5.128	6.63	11.75	3.25	8.25	9.75	0.75	2.87	1.44	7/8"	2.15	1.31	3.59	4.02	10GL	
				130	168.3	298.5	82.6	209.6	247.7	19.1	72.9	36.6		54.6	33.3	91.2	102.1		
4U10GL8-47 x		2-15/16	47																4U215-47 x
4U10GL8-75M x	75M																		4U215-75M x
4U10GL8-48 x		3	48																4U215-48 x

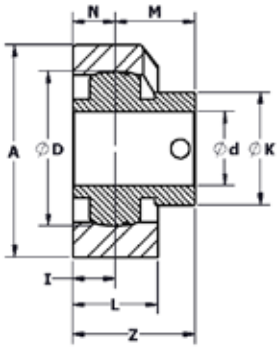
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

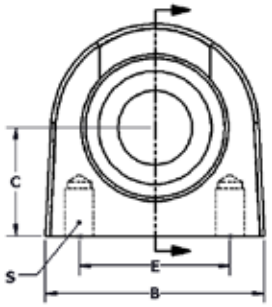
Stainless Ball Solution®
Tapped Base Pillow Block

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Tapped base housing Series “9”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		WIDE ECC
				1.575	2.41	2.88	1.31	2	1.13	0.56	3/8-16	0.91	0.39	1.47	1.13	9AA	
4U9AA8-08 x		1/2	8	40	61.2	73.2	33.3	50.8	28.7	14.2		23.1	9.9	37.3	28.7		4U203-08 x
4U9AA8-10 x		5/8	10														4U203-10 x
				1.850	2.53	2.88	1.31	2	1.13	0.56	3/8-16	1.05	0.5	1.61	1.31	9AB	
4U9AB8-08 x		1/2	8	47	64.3	73.2	33.3	50.8	28.7	14.2		26.7	12.7	40.9	33.3		4U204-08 x
4U9AB8-10 x		5/8	10														4U204-10 x
4U9AB8-12 x		3/4	12														4U204-12 x
4U9AB8-20M x	20M																4U204-20M x
				2.047	2.81	3	1.44	2	1.13	0.56	3/8-16	1.06	0.56	1.62	1.5	9AC	
				52	71.4	76.2	36.6	50.8	28.7	14.2		26.9	14.2	41.1	38.1		
4U9AC8-25M x	25M																4U205-25M x
4U9AC8-16 x		1	16														4U205-16 x
				2.441	3.25	4	1.69	3	1.47	0.74	7/16-14	1.19	0.63	1.93	1.75	9AD	
				62	82.6	101.6	42.9	76.2	37.3	18.8		30.2	16.0	49.0	44.5		
4U9AD8-30M x	30M																4U206-30M x
4U9AD8-19 x		1-3/16	19														4U206-19 x
4U9AD8-20 x		1-1/4	20														4U206-20 x
				2.835	3.69	4.25	1.88	3.25	1.47	0.74	1/2-13	1.27	0.69	2.01	2.19	9AE	
4U9AE8-20 x		1-1/4	20	72	93.7	108.0	47.8	82.6	37.3	18.8		32.3	17.5	51.1	55.6		4U207-20 x
4U9AE8-22 x		1-3/8	22														4U207-22 x
4U9AE8-35M x	35M																4U207-35M x
4U9AE8-23 x		1-7/16	23														4U207-23 x
				3.150	3.94	4.63	1.94	3.5	1.63	0.81	1/2-13	1.37	0.75	2.18	2.37	9AF	
4U9AF8-24 x		1-1/2	24	80	100.1	117.6	49.3	88.9	41.4	20.6		34.8	19.1	55.4	60.2		4U208-24 x
4U9AF8-40M x	40M																4U208-40M x
				3.346	4.25	5	2.125	3.75	1.72	0.86	1/2-13	1.37	0.75	2.23	2.5	9AG	
				85	108.0	127.0	54.0	95.3	43.7	21.8		34.8	19.1	56.6	63.5		
4U9AG8-28 x		1-3/4	28														4U209-28 x
				3.543	4.5	5.5	2.25	4	1.97	0.99	5/8-11	1.5	0.75	2.49	2.75	9AH	
				90	114.3	139.7	57.2	101.6	50.0	25.1		38.1	19.1	63.2	69.9		
4U9AH8-31 x		1-15/16	31														4U210-31 x
4U9AH8-50M x	50M																4U210-50M x
4U9AH8-32 x		2	32														4U210-32 x
4U9AI8-32 x		2	32	3.937	4.72	5.5	2.25	4	1.97	0.99	5/8-11	1.72	0.87	2.71	3	9AI	4U211-32 x
				100	119.9	139.7	57.2	101.6	50.0	25.1		43.7	22.1	68.8	76.2		
4U9AI8-35 x		2-3/16	35														4U211-35 x
				4.331	5.38	6	2.75	4.25	1.97	0.99	5/8-11	1.84	1	2.83	3.32	9AJ	
				110	136.5	152.4	69.9	108.0	50.0	25.1		46.7	25.4	71.9	84.3		
4U9AJ8-39 x		2-7/16	39														4U212-39 x
				4.921	6.06	7	3	5	1.97	0.99	3/4-10	1.94	1.19	2.93	4.02	9AK	
				125	154.0	177.8	76.2	127.0	50.0	25.1		49.3	30.2	74.4	102.1		
4U9AK8-44 x		2-3/4	44														4U214-44 x
				5.128	6.75	7.5	3.5	5.25	1.97	0.99	7/8-9	2.15	1.31	3.14	4.02	9AL	
				130	171.5	190.5	88.9	133.4	50.0	25.1		54.6	33.3	79.8	102.1		
4U9AL8-47 x		2-15/16	47														4U215-47 x
4U9AL8-75M x	75M																4U215-75M x
4U9AL8-48 x		3	48														4U215-48 x

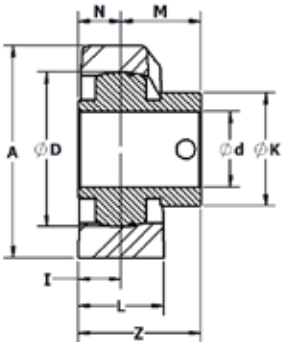
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

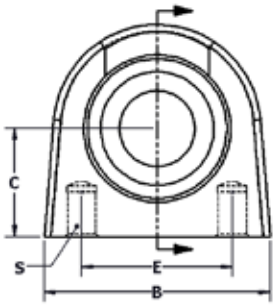
Stainless Ball Solution®
Tapped Base Pillow Block

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Tapped base housing Series “9”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

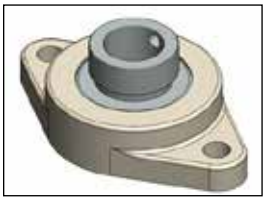
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		WIDE ECC
				1.575	2.46	2.94	1.31	2	1.12	0.56	3/8-16	0.91	0.39	1.47	1.13	9GA	
4U9GA8-08 x		1/2	8	40	62.5	74.7	33.3	50.8	28.4	14.2		23.1	9.9	37.3	28.7		4U203-08 x
4U9GA8-10 x		5/8	10														4U203-10 x
				1.850	2.58	2.96	1.31	2	1.13	0.56	3/8-16	1.05	0.5	1.61	1.31	9GB	
4U9GB8-08 x		1/2	8	47	65.5	75.2	33.3	50.8	28.7	14.2		26.7	12.7	40.9	33.3		4U204-08 x
4U9GB8-10 x		5/8	10														4U204-10 x
4U9GB8-12 x		3/4	12														4U204-12 x
4U9GB8-20M x	20M																4U204-20M x
				2.047	2.81	3	1.44	2	1.14	0.57	3/8-16	1.06	0.56	1.63	1.5	9GC	
				52	71.4	76.2	36.6	50.8	29.0	14.5		26.9	14.2	41.4	38.1		
4U9GC8-25M x	25M																4U205-25M x
4U9GC8-16 x		1	16														4U205-16 x
				2.441	3.38	4.25	1.69	3	1.63	0.81	7/16-14	1.19	0.63	2.00	1.75	9GD	
				62	85.9	108.0	42.9	76.2	41.4	20.6		30.2	16.0	50.8	44.5		
4U9GD8-30M x	30M																4U206-30M x
4U9GD8-19 x		1-3/16	19														4U206-19 x
4U9GD8-20 x		1-1/4	20														4U206-20 x
				2.835	3.88	4.5	1.88	3.25	1.75	0.88	1/2-13	1.27	0.69	2.15	2.19	9GE	
4U9GE8-20 x		1-1/4	20	72	98.6	114.3	47.8	82.6	44.5	22.4		32.3	17.5	54.6	55.6		4U207-20 x
4U9GE8-22 x		1-3/8	22														4U207-22 x
4U9GE8-35M x	35M																4U207-35M x
4U9GE8-23 x		1-7/16	23														4U207-23 x
				3.150	4.13	4.75	1.94	3.5	1.88	0.94	1/2-13	1.37	0.75	2.31	2.37	9GF	
4U9GF8-24 x		1-1/2	24	80	104.8	120.7	49.3	88.9	47.8	23.9		34.8	19.1	58.7	60.2		4U208-24 x
4U9GF8-40M x	40M																4U208-40M x
				3.346	4.38	5.25	2.125	3.75	1.97	0.98	1/2-13	1.37	0.75	2.35	2.5	9GG	
				85	111.3	133.4	54.0	95.3	50.0	24.9		34.8	19.1	59.7	63.5		
4U9GG8-28 x		1-3/4	28														4U209-28 x
				3.543	4.75	5.75	2.25	4	2.13	1.06	5/8-11	1.5	0.75	2.56	2.75	9GH	
				90	120.7	146.1	57.2	101.6	54.1	26.9		38.1	19.1	65.0	69.9		
4U9GH8-31 x		1-15/16	31														4U210-31 x
4U9GH8-50M x	50M																4U210-50M x
4U9GH8-32 x		2	32														4U210-32 x
4U9GI8-32 x		2	32	3.937	4.88	5.75	2.25	4	2.31	1.16	5/8-11	1.72	0.87	2.88	3	9GI	4U211-32 x
				100	124.0	146.1	57.2	101.6	58.7	29.5		43.7	22.1	73.2	76.2		
4U9GI8-35 x		2-3/16	35														4U211-35 x
				4.331	5.75	6.5	2.75	4.25	2.44	1.22	5/8-11	1.84	1	3.06	3.32	9GJ	
				110	146.1	165.1	69.9	108.0	62.0	31.0		46.7	25.4	77.7	84.3		
4U9GJ8-39 x		2-7/16	39														4U212-39 x
				4.921	6.38	7.5	3	5	2.5	1.25	3/4-10	1.94	1.19	3.19	4.02	9GK	
				125	162.1	190.5	76.2	127.0	63.5	31.8		49.3	30.2	81.0	102.1		
4U9GK8-44 x		2-3/4	44														4U214-44 x
				5.128	7	8	3.5	5.25	2.88	1.44	3/4-10	2.15	1.31	3.59	4.02	9GL	
				130	177.8	203.2	88.9	133.4	73.2	36.6		54.6	33.3	91.2	102.1		
4U9GL8-47 x		2-15/16	47														4U215-47 x
4U9GL8-75M x	75M																4U215-75M x
4U9GL8-48 x		3	48														4U215-48 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

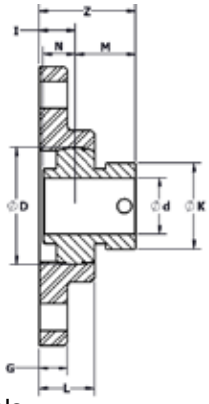
Stainless Ball Solution®
Two-Bolt Flange

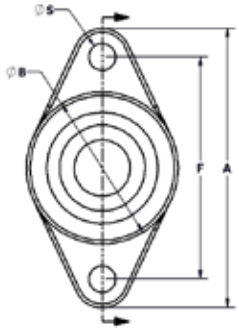
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Standard two-bolt pattern Series “2”
Stainless housing Series “A”



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.88	2.15	3	0.44	0.85	0.53	3/8"	0.91	0.39	1.44	1.13	2AA	
4U2AA8-08 x		1/2	8	40	98.6	54.6	76.2	11.2	21.6	13.5		23.1	9.9	36.6	28.7		4U203-08 x
4U2AA8-10 x		5/8	10														4U203-10 x
				1.850	4.41	2.42	3.53	0.44	0.95	0.59	3/8"	1.05	0.5	1.64	1.31	2AB	
4U2AB8-08 x		1/2	8	47	112.0	61.5	89.7	11.2	24.1	15.0		26.7	12.7	41.7	33.3		4U204-08 x
4U2AB8-10 x		5/8	10														4U204-10x
4U2AB8-12 x		3/4	12														4U204-12 x
4U2AB8-20M x	20M																4U204-20M x
				2.047	4.89	2.66	3.89	0.5	0.97	0.63	7/16"	1.06	0.56	1.69	1.5	2AC	
				52	124.2	67.6	98.8	12.7	24.6	16.0		26.9	14.2	42.9	38.1		
4U2AC8-25M x	25M																4U205-25M x
4U2AC8-16 x		1	16														4U205-16 x
				2.441	5.59	3.12	4.6	0.5	1.07	0.66	7/16"	1.19	0.63	1.85	1.75	2AD	
				62	142.0	79.2	116.8	12.7	27.2	16.8		30.2	16.0	47.0	44.5		
4U2AD8-30M x	30M																4U206-30M x
4U2AD8-19 x		1-3/16	19														4U206-19 x
4U2AD8-20 x		1-1/4	20														4U206-20 x
				2.835	6.25	3.62	5.12	0.56	1.22	0.79	1/2"	1.27	0.69	2.06	2.19	2AE	
4U2AE8-20 x		1-1/4	20	72	158.8	91.9	130.0	14.2	31.0	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U2AE8-22 x		1-3/8	22														4U207-22 x
4U2AE8-35M x	35M																4U207-35M x
4U2AE8-23 x		1-7/16	23														4U207-23 x
				3.150	6.78	4	5.66	0.56	1.24	0.77	1/2"	1.37	0.75	2.14	2.37	2AF	
4U2AF8-24 x		1-1/2	24	80	172.2	101.6	143.8	14.2	31.5	19.6		34.8	19.1	54.4	60.2		4U208-24 x
4U2AF8-40M x	40M																4U208-40M x
				3.346	6.97	4.25	5.84	0.63	1.24	0.76	1/2"	1.37	0.75	2.13	2.5	2AG	
				85	177.0	108.0	148.3	16.0	31.5	19.3		34.8	19.1	54.1	63.5		
4U2AG8-28 x		1-3/4	28														4U209-28 x
				3.543	7.31	4.56	6.19	0.63	1.24	0.77	1/2"	1.5	0.75	2.27	2.75	2AH	
				90	185.7	115.8	157.2	16.0	31.5	19.6		38.1	19.1	57.7	69.9		
4U2AH8-31 x		1-15/16	31														4U210-31 x
4U2AH8-50M x	50M																4U210-50M x
4U2AH8-32 x		2	32														4U210-32 x
4U2AI8-32 x		2	32	3.937	8.63	5.06	7.25	0.69	1.47	0.92	5/8"	1.72	0.87	2.64	3	2AI	4U211-32 x
				100	219.2	128.5	184.2	17.5	37.3	23.4		43.7	22.1	67.1	76.2		
4U2AI8-35 x		2-3/16	35														4U211-35 x
				4.331	9.33	5.62	7.95	0.69	1.66	1.07	5/8"	1.84	1	2.91	3.32	2AJ	
				110	237.0	142.7	201.9	17.5	42.2	27.2		46.7	25.4	73.9	84.3		
4U2AJ8-39 x		2-7/16	39														4U212-39 x
				4.921	9.69	6.44	8.31	0.75	1.86	1.25	5/8"	1.94	1.19	3.19	4.02	2AK	
				125	246.1	163.6	211.1	19.1	47.2	31.8		49.3	30.2	81.0	102.1		
4U2AK8-44 x		2-3/4	44														4U214-44 x
				5.128	10.13	6.5	8.5	1	1.98	1.39	3/4"	2.15	1.31	3.54	4.02	2AL	
				130	257.3	165.1	215.9	25.4	50.3	35.3		54.6	33.3	89.9	102.1		
4U2AL8-47 x		2-15/16	47														4U215-47 x
4U2AL8-75M x	75M																4U215-75M x
4U2AL8-48 x		3	48														4U215-48 x

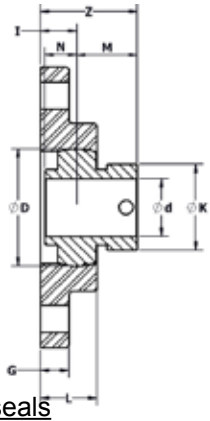
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

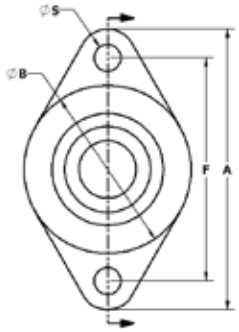
Stainless Ball Solution®
Two-Bolt Flange

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Standard two-bolt pattern Series “2”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.88	2.15	3	0.44	0.85	0.53	3/8"	0.91	0.39	1.44	1.13	2GA	
4U2GA8-08 x		1/2	8	40	98.6	54.6	76.2	11.2	21.6	13.5		23.1	9.9	36.6	28.7		4U203-08 x
4U2GA8-10 x		5/8	10														4U203-10 x
				1.850	4.41	2.69	3.53	0.44	0.95	0.59	3/8"	1.05	0.5	1.64	1.31	2GB	
4U2GB8-08 x		1/2	8	47	112.0	68.3	89.7	11.2	24.1	15.0		26.7	12.7	41.7	33.3		4U204-08 x
4U2GB8-10 x		5/8	10														4U204-10 x
4U2GB8-12 x		3/4	12														4U204-12 x
4U2GB8-20M x	20M																4U204-20M x
				2.047	4.77	2.93	3.89	0.5	0.99	0.63	7/16"	1.06	0.56	1.69	1.5	2GC	
				52	121.2	74.4	98.8	12.7	25.1	16.0		26.9	14.2	42.9	38.1		
4U2GC8-25M x	25M																4U205-25M x
4U2GC8-16 x		1	16														4U205-16 x
				2.441	5.72	3.625	4.59	0.5	1.07	0.66	7/16"	1.19	0.63	1.85	1.75	2GD	
				62	145.3	92.1	116.6	12.7	27.2	16.8		30.2	16.0	47.0	44.5		
4U2GD8-30M x	30M																4U206-30M x
4U2GD8-19 x		1-3/16	19														4U206-19 x
4U2GD8-20 x		1-1/4	20														4U206-20 x
				2.835	6.25	4	5.12	0.56	1.22	0.79	1/2"	1.27	0.69	2.06	2.19	2GE	
4U2GE8-20 x		1-1/4	20	72	158.8	101.6	130.0	14.2	31.0	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U2GE8-22 x		1-3/8	22														4U207-22 x
4U2GE8-35M x	35M																4U207-35M x
4U2GE8-23 x		1-7/16	23														4U207-23 x
				3.150	6.78	4.56	5.66	0.56	1.24	0.77	1/2"	1.37	0.75	2.14	2.37	2GF	
4U2GF8-24 x		1-1/2	24	80	172.2	115.8	143.8	14.2	31.5	19.6		34.8	19.1	54.4	60.2		4U208-24 x
4U2GF8-40M x	40M																4U208-40M x
				3.346	6.97	4.74	5.84	0.63	1.24	0.76	1/2"	1.37	0.75	2.13	2.5	2GG	
				85	177.0	120.4	148.3	16.0	31.5	19.3		34.8	19.1	54.1	63.5		
4U2GG8-28 x		1-3/4	28														4U209-28 x
				3.543	7.31	5.06	6.19	0.63	1.24	0.77	1/2"	1.5	0.75	2.27	2.75	2GH	
				90	185.7	128.5	157.2	16.0	31.5	19.6		38.1	19.1	57.7	69.9		
4U2GH8-31 x		1-15/16	31														4U210-31 x
4U2GH8-50M x	50M																4U210-50M x
4U2GH8-32 x		2	32														4U210-32 x
4U2GI8-32 x		2	32	3.937	8.63	5.87	7.25	0.69	1.47	0.92	5/8"	1.72	0.87	2.64	3	2GI	4U211-32 x
				100	219.2	149.1	184.2	17.5	37.3	23.4		43.7	22.1	67.1	76.2		
4U2GI8-35 x		2-3/16	35														4U211-35 x
				4.331	9.33	6.56	7.95	0.69	1.66	1.07	5/8"	1.84	1	2.91	3.32	2GJ	
				110	237.0	166.6	201.9	17.5	42.2	27.2		46.7	25.4	73.9	84.3		
4U2GJ8-39 x		2-7/16	39														4U212-39 x
				4.921	9.69	6.94	8.31	0.75	1.86	1.25	5/8"	1.94	1.19	3.19	4.02	2GK	
				125	246.1	176.3	211.1	19.1	47.2	31.8		49.3	30.2	81.0	102.1		
4U2GK8-44 x		2-3/4	44														4U214-44 x
				5.128	10.13	6.94	8.5	1	1.98	1.39	3/4"	2.15	1.31	3.54	4.02	2GL	
				130	257.3	176.3	215.9	25.4	50.3	35.3		54.6	33.3	89.9	102.1		
4U2GL8-47 x		2-15/16	47														4U215-47 x
4U2GL8-75M x	75M																4U215-75M x
4U2GL8-48 x		3	48														4U215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

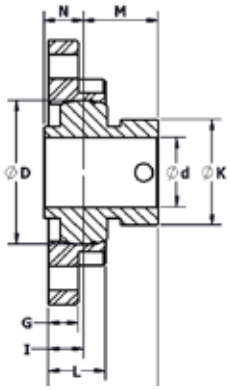
Example: GX = food grade grease with standard seals & flingers

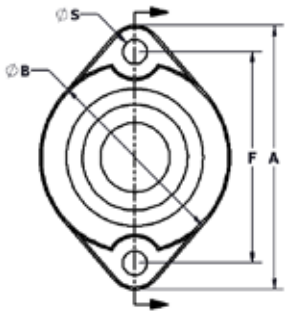
Stainless Ball Solution®
Small Two-Bolt Flange

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Small two-bolt pattern Series “6”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

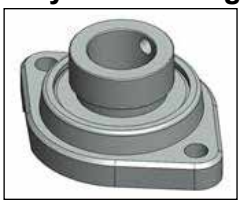
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.19	2.09	2.5	0.38	0.7	0.42	1/4	0.91	0.39	1.33	1.13	6AA	
4U6AA8-08 x		1/2	8	40	81.0	53.1	63.5	9.7	17.8	10.7		23.1	9.9	33.8	28.7		4U203-08 x
4U6AA8-10 x		5/8	10														4U203-10 x
				1.850	3.56	2.42	2.81	0.42	0.86	0.5	5/16	1.05	0.5	1.55	1.31	6AB	
4U6AB8-08 x		1/2	8	47	90.4	61.5	71.4	10.7	21.8	12.7		26.7	12.7	39.4	33.3		4U204-08 x
4U6AB8-10 x		5/8	10														4U204-10 x
4U6AB8-12 x		3/4	12														4U204-12 x
4U6AB8-20M x	20M																4U204-20M x
				2.047	3.75	2.72	3	0.42	0.81	0.5	5/16	1.06	0.56	1.56	1.5	6AC	
				52	95.3	69.1	76.2	10.7	20.6	12.7		26.9	14.2	39.6	38.1		
4U6AC8-25M x	25M																4U205-25M x
4U6AC8-16 x		1	16														4U205-16 x
				2.441	4.44	3.09	3.56	0.47	0.96	0.56	3/8	1.19	0.63	1.75	1.75	6AD	
				62	112.8	78.5	90.4	11.9	24.4	14.2		30.2	16.0	44.5	44.5		
4U6AD8-30M x	30M																4U206-30M x
4U6AD8-19 x		1-3/16	19														4U206-19 x
4U6AD8-20 x		1-1/4	20														4U206-20 x
				2.835	4.94	3.5	3.94	0.5	0.96	0.56	3/8	1.27	0.69	1.83	2.19	6AE	
4U6AE8-20 x		1-1/4	20	72	125.5	88.9	100.1	12.7	24.4	14.2		32.3	17.5	46.5	55.6		4U207-20 x
4U6AE8-22 x		1-3/8	22														4U207-22 x
4U6AE8-35M x	35M																4U207-35M x
4U6AE8-23 x		1-7/16	23														4U207-23 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

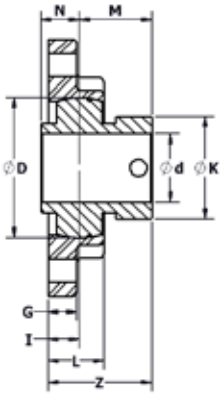
Stainless Ball Solution®
Small Two-Bolt Flange

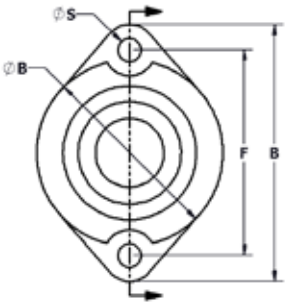
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Small two-bolt pattern Series “6”
Polymer housing Series “G”



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.19	2.09	2.5	0.38	0.7	0.42	1/4	0.91	0.39	1.33	1.13	6GA	
4U6GA8-08 x		1/2	8	40	81.0	53.1	63.5	9.7	17.8	10.7		23.1	9.9	33.8	28.7		4U203-08 x
4U6GA8-10 x		5/8	10														4U203-10 x
				1.850	3.56	2.42	2.81	0.42	0.86	0.5	5/16	1.05	0.5	1.55	1.31	6GB	
4U6GB8-08 x		1/2	8	47	90.4	61.5	71.4	10.7	21.8	12.7		26.7	12.7	39.4	33.3		4U204-08 x
4U6GB8-10 x		5/8	10														4U204-10 x
4U6GB8-12 x		3/4	12														4U204-12 x
4U6GB8-20M x	20M																4U204-20M x
				2.047	3.75	2.72	3	0.42	0.81	0.46	5/16	1.06	0.56	1.52	1.5	6GC	
				52	95.3	69.1	76.2	10.7	20.6	11.7		26.9	14.2	38.6	38.1		
4U6GC8-25M x	25M																4U205-25M x
4U6GC8-16 x		1	16														4U205-16 x
				2.441	4.44	3.09	3.56	0.47	0.96	0.56	3/8	1.19	0.63	1.75	1.75	6GD	
				62	112.8	78.5	90.4	11.9	24.4	14.2		30.2	16.0	44.5	44.5		
4U6GD8-30M x	30M																4U206-30M x
4U6GD8-19 x		1-3/16	19														4U206-19 x
4U6GD8-20 x		1-1/4	20														4U206-20 x
				2.835	4.94	3.5	3.94	0.5	0.96	0.56	3/8	1.27	0.69	1.83	2.19	6GE	
4U6GE8-20 x		1-1/4	20	72	125.5	88.9	100.1	12.7	24.4	14.2		32.3	17.5	46.5	55.6		4U207-20 x
4U6GE8-22 x		1-3/8	22														4U207-22 x
4U6GE8-35M x	35M																4U207-35M x
4U6GE8-23 x		1-7/16	23														4U207-23 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

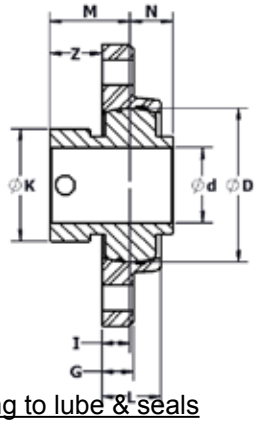
Example: GX = food grade grease with standard seals & flingers

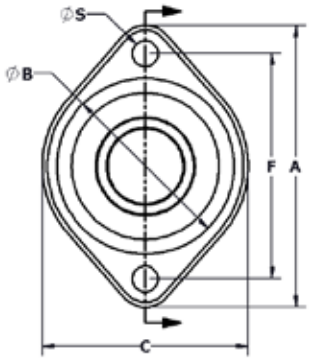
Stainless Ball Solution® Piloted Two-Bolt Flange

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Standard two-bolt pattern Series “6_-SP”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





“x” indicates a 2-letter designation referring to lube & seals

Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size		Boss Dia					Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (1+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.850	3.56	2.12	2.5	2.81	0.35	0.73	0.35	5/16	1.05	0.5	1.40	1.31	6AB-SP	
4U6AB-SP8-08 x		1/2	8	47	90.4	53.8	63.5	71.4	8.9	18.5	8.9		26.7	12.7	35.6	33.3		4U204-08 x
4U6AB-SP8-10 x		5/8	10															4U204-10 x
4U6AB-SP8-12 x		3/4	12															4U204-12 x
4U6AB-SP8-20M x	20M																	4U204-20M x
				2.047	3.75	2.34	2.72	3	0.42	0.78	0.38	5/16	1.06	0.56	1.44	1.5	6AC-SP	
				52	95.3	59.4	69.1	76.2	10.7	19.8	9.5		26.9	14.2	36.4	38.1		
4U6AC-SP8-25M x	25M																	4U205-25M x
4U6AC-SP8-16 x		1	16															4U205-16x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

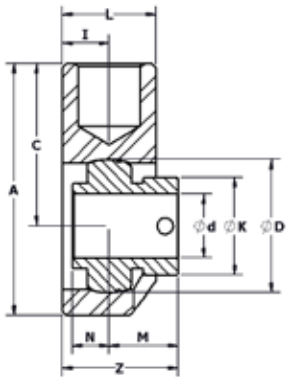
Stainless Ball Solution® Hanger Bearing

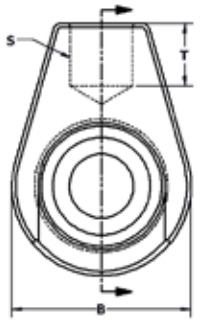
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Hanger pattern Series “8”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals





Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Thread size		Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	L	I	S	T	M	N	Z	K		WIDE ECC
				1.575	2.94	2.13	1.88	1.19	0.59	1/2 - 14 NPSM	0.63	0.91	0.39	1.50	1.13	8AA	
4U8AA8-08 x		1/2	8	40	74.7	54.1	47.8	30.2	15.0	5/8 - 11 UNC	16.0	23.1	9.9	38.1	28.7	8AA-01	4U203-08 x
										M12 - 1.75						8AA-03B	
										5/8 - 18						8AA-01A	
4U8AA8-10 x		5/8	10														4U203-10 x
				1.850	3.75	2.5	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	1.05	0.5	1.77	1.31	8AB	
4U8AB8-08 x		1/2	8	47	95.3	63.5	63.5	36.6	18.3	5/8 - 11 UNC	19.1	26.7	12.7	45.0	33.3	8AB-03	4U204-08 x
										M16 - 2						8AB-03B	
4U8AB8-10 x		5/8	10														4U204-10 x
4U8AB8-12 x		3/4	12														4U204-12 x
4U8AB8-20M x	20M																4U204-20M x
				2.047	3.88	2.75	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	1.06	0.56	1.78	1.5	8AC	
				52	98.6	69.9	63.5	36.6	18.3		19.1	26.9	14.2	45.2	38.1		
4U8AC8-25M x	25M																4U205-25M x
4U8AC8-16 x		1	16														4U205-16 x
				2.441	4.06	3.13	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	1.19	0.63	1.91	1.75	8AD	
				62	103.1	79.5	63.5	36.6	18.3	5/8 - 11 UNC	19.1	30.2	16.0	48.5	44.5	8AD-02	
										M16 - 2						8AD-03	
4U8AD8-30M x	30M																4U206-30M x
4U8AD8-19 x		1-3/16	19														4U206-19 x
4U8AD8-20 x		1-1/4	20														4U206-20 x
				2.835	4.56	3.63	2.75	1.44	0.72	3/4 - 14 NPSM	0.75	1.27	0.69	1.99	2.19	8AE	
4U8AE8-20 x		1-1/4	20	72	115.8	92.2	69.9	36.6	18.3	1 - 8 UNC	19.1	32.3	17.5	50.5	55.6	8AE-01	4U207-20 x
										5/8 - 11 NPSM						8AE-02	
4U8AE8-22 x		1-3/8	22														4U207-22 x
4U8AE8-35M x	35M																4U207-35M x
4U8AE8-23 x		1-7/16	23														4U207-23 x
				3.150	4.75	3.75	2.88	1.44	0.72	3/4 - 14 NPSM	0.75	1.37	0.75	2.09	2.37	8AF	
4U8AF8-24 x		1-1/2	24	80	120.7	95.3	73.2	36.6	18.3	3/4 - 10 NPSM	19.1	34.8	19.1	53.1	60.2	8AF-01	4U208-24 x
4U8AF8-40M x	40M																4U208-40M x
				3.346	5.38	4.25	3.25	1.88	0.94	1 - 11 1/2 NPSM	0.81	1.37	0.75	2.31	2.5	8AG	
				85	136.7	108.0	82.6	47.8	23.9		20.6	34.8	19.1	58.7	63.5		
4U8AG8-28 x		1-3/4	28														4U209-28 x
				3.543	5.5	4.5	3.25	1.88	0.94	1 - 11 1/2 NPSM	0.81	1.5	0.75	2.44	2.75	8AH	
				90	139.7	114.3	82.6	47.8	23.9	1 - 8 UNC	20.6	38.1	19.1	62.0	69.9	8AH-01	
4U8AH8-31 x		1-15/16	31														4U210-31 x
4U8AH8-50M x	50M																4U210-50M x
4U8AH8-32 x		2	32														4U210-32 x
4U8AI8-32 x		2	32	3.937	5.94	5	3.44	1.97	0.99	1 1/4 - 11 1/2 NPSM	1	1.72	0.87	2.71	3	8AI	4U211-32 x
				100	150.9	127.0	87.4	50.0	25.0	1 1/4 - 7 UNC	25.4	43.7	22.1	68.7	76.2	8AI-01	
4U8AI8-35 x		2-3/16	35														4U211-35 x
				4.331	6.81	5.63	4	1.97	0.99	1 1/4 - 11 1/2 NPSM	1	1.84	1	2.83	3.32	8AJ	
				110	173.0	143.0	101.6	50.0	25.0	1 1/2 - 6 UNC	25.4	46.7	25.4	71.8	84.3	8AJ-01	
4U8AJ8-39 x		2-7/16	39														4U212-39 x
				4.921	7.88	6.5	4.63	2.47	1.24	1 1/2 - 11 1/2 NPSM	1.25	1.94	1.19	3.18	4.02	8AK	
				125	200.2	165.1	117.6	62.7	31.4		31.8	49.3	30.2	80.6	102.1		
4U8AK8-44 x		2-3/4	44														4U214-44 x
				5.128	7.88	6.5	4.63	2.47	1.24	1 1/2 - 11 1/2 NPSM	1.25	2.15	1.31	3.39	4.02	8AL	
				130	200.2	165.1	117.6	62.7	31.4		31.8	54.6	33.3	86.0	102.1		
4U8AL8-47 x		2-15/16	47														4U215-47 x
4U8AL8-75M x	75M																4U215-75M x
4U8AL8-48 x		3	48														4U215-48 x

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Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

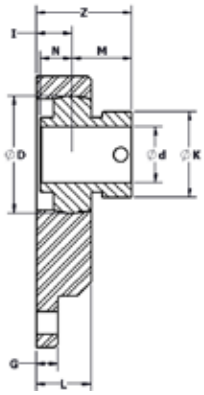
Stainless Ball Solution® Three-Bolt Flange

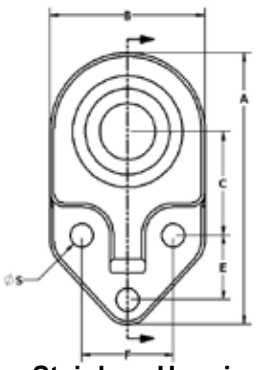
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Standard three-bolt pattern Series “3”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals





Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.5	2	1.38	0.81	1.25	0.25	0.85	0.53	5/16"	0.91	0.39	1.44	1.13	3AA	
4U3AA8-08 x		1/2	8	40	88.9	50.8	35.1	20.6	31.8	6.4	21.6	13.5		23.1	9.9	36.6	28.7		4U203-08 x
4U3AA8-10 x		5/8	10																4U203-10 x
				1.850	4.25	2.5	1.69	0.88	1.5	0.31	0.95	0.59	3/8"	1.05	0.5	1.64	1.31	3AB	
4U3AB8-08 x		1/2	8	47	108.0	63.5	42.9	22.4	38.1	7.9	24.1	15.0		26.7	12.7	41.7	33.3		4U204-08 x
4U3AB8-10 x		5/8	10																4U204-10 x
4U3AB8-12 x		3/4	12																4U204-12 x
4U3AB8-20M x	20M																		4U204-20M x
				2.047	4.75	2.75	1.81	1.13	1.63	0.38	0.97	0.64	3/8"	1.06	0.56	1.70	1.5	3AC	
				52	120.7	69.9	46.0	28.7	41.4	9.7	24.6	16.3		26.9	14.2	43.2	38.1		
4U3AC8-25M x	25M																		4U205-25M
4U3AC8-16 x		1	16																4U205-16 x
				2.441	5.38	3.12	2.06	1.25	1.88	0.38	1.07	0.66	3/8"	1.19	0.63	1.85	1.75	3AD	
				62	136.7	79.2	52.3	31.8	47.8	9.7	27.2	16.8		30.2	16.0	47.0	44.5		
4U3AD8-30M x	30M																		4U206-30M x
4U3AD8-19 x		1-3/16	19																4U206-19 x
4U3AD8-20 x		1-1/4	20																4U206-20 x
				2.835	6	3.63	2.38	1.25	2	0.5	1.22	0.79	1/2"	1.27	0.69	2.06	2.19	3AE	
4U3AE8-20 x		1-1/4	20	72	152.4	92.2	60.5	31.8	50.8	12.7	31.0	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U3AE8-22 x		1-3/8	22																4U207-22 x
4U3AE8-35M x	35M																		4U207-35M x
4U3AE8-23 x		1-7/16	23																4U207-23 x
				3.150	6.5	4	2.56	1.38	2.25	0.5	1.24	0.77	1/2"	1.37	0.75	2.14	2.37	3AF	
4U3AF8-24 x		1-1/2	24	80	165.1	101.6	65.0	35.1	57.2	12.7	31.5	19.6		34.8	19.1	54.4	60.2		4U208-24 x
4U3AF8-40M x	40M																		4U208-40M x
				3.346	6.94	4.25	2.75	1.5	2.5	0.5	1.24	0.76	1/2"	1.37	0.75	2.13	2.5	3AG	
				85	176.3	108.0	69.9	38.1	63.5	12.7	31.5	19.3		34.8	19.1	54.1	63.5		
4U3AG8-28 x		1-3/4	28																4U209-28 x
				3.543	7.41	4.56	2.94	1.63	2.75	0.5	1.24	0.77	1/2"	1.5	0.75	2.27	2.75	3AH	
				90	188.2	115.8	74.7	41.4	69.9	12.7	31.5	19.6		38.1	19.1	57.7	69.9		
4U3AH8-31 x		1-15/16	31																4U210-31 x
4U3AH8-50M x	50M																		4U210-50M x
4U3AH8-32 x		2	32																4U210-32 x
4U3AI8-32 x		2	32	3.937	8.04	4.95	3.13	1.75	3	0.63	1.47	0.92	5/8"	1.72	0.87	2.64	3	3AI	4U211-32 x
				100	204.2	125.7	79.5	44.5	76.2	16.0	37.3	23.4		43.7	22.1	67.1	76.2		
4U3AI8-35 x		2-3/16	35																4U211-35 x
				4.331	8.88	5.63	3.38	2	3.5	0.63	1.66	1.07	5/8"	1.84	1	2.91	3.32	3AJ	
				110	225.6	143.0	85.9	50.8	88.9	16.0	42.2	27.2		46.7	25.4	73.9	84.3		
4U3AJ8-39 x		2-7/16	39																4U212-39 x
				4.921	10.03	6.44	3.75	2.38	4.25	0.63	1.86	1.25	5/8"	1.94	1.19	3.19	4.02	3AK	
				125	254.8	163.6	95.3	60.5	108.0	16.0	47.2	31.8		49.3	30.2	81.0	102.1		
4U3AK8-44 x		2-3/4	44																4U214-44 x
				5.128	10.69	6.5	4	2.63	4.25	0.75	1.98	1.39	3/4"	2.15	1.31	3.54	4.02	3AL	
				130	271.5	165.1	101.6	66.8	108.0	19.1	50.3	35.3		54.6	33.3	89.9	102.1		
4U3AL8-47 x		2-15/16	47																4U215-47 x
4U3AL8-75M x	75M																		4U215-75M x
4U3AL8-48 x		3	48																4U215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

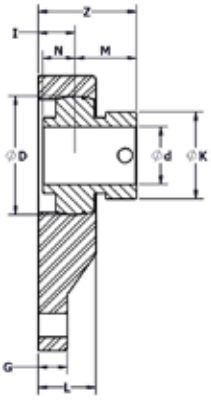
Example: GX = food grade grease with standard seals & flingers

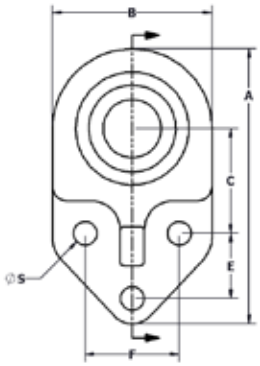
Stainless Ball Solution® Three-Bolt Flange

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard three-bolt pattern Series "3"
Polymer housing Series "G"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





"x" indicates a 2-letter designation referring to lube & seals

Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.66	2.19	1.38	0.81	1.25	0.44	0.85	0.53	5/16"	0.91	0.39	1.44	1.13	3GA	
4U3GA8-08 x		1/2	8	40	93.0	55.6	35.1	20.6	31.8	11.2	21.6	13.5		23.1	9.9	36.6	28.7		4U203-08 x
4U3GA8-10 x		5/8	10																4U203-10 x
				1.850	4.34	2.56	1.68	0.88	1.5	0.44	0.95	0.59	3/8"	1.05	0.5	1.64	1.31	3GB	
4U3GB8-08 x		1/2	8	47	110.2	65.0	42.7	22.4	38.1	11.2	24.1	15.0		26.7	12.7	41.7	33.3		4U204-08 x
4U3GB8-10 x		5/8	10																4U204-10 x
4U3GB8-12 x		3/4	12																4U204-12 x
4U3GB8-20M x	20M																		4U204-20M x
				2.047	4.75	2.75	1.81	1.12	1.63	0.5	0.99	0.64	3/8"	1.06	0.56	1.70	1.5	3GC	
				52	120.7	69.9	46.0	28.4	41.4	12.7	25.1	16.3		26.9	14.2	43.2	38.1		
4U3GC8-25M x	25M																		4U205-25M x
4U3GC8-16 x		1	16																4U205-16 x
				2.441	5.44	3.25	2.06	1.25	1.88	0.5	1.07	0.66	3/8"	1.19	0.63	1.85	1.75	3GD	
				62	138.2	82.6	52.3	31.8	47.8	12.7	27.2	16.8		30.2	16.0	47.0	44.5		
4U3GD8-30M x	30M																		4U206-30M x
4U3GD8-19 x		1-3/16	19																4U206-19 x
4U3GD8-20 x		1-1/4	20																4U206-20 x
				2.835	6.19	3.81	2.38	1.25	2	0.56	1.22	0.79	1/2"	1.27	0.69	2.06	2.19	3GE	
4U3GE8-20 x		1-1/4	20	72	157.2	96.8	60.5	31.8	50.8	14.2	31.0	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U3GE8-22 x		1-3/8	22																4U207-22 x
4U3GE8-35M x	35M																		4U207-35M x
4U3GE8-23 x		1-7/16	23																4U207-23 x
				3.150	6.72	4.25	2.56	1.38	2.25	0.56	1.24	0.77	1/2"	1.37	0.75	2.14	2.37	3GF	
4U3GF8-24 x		1-1/2	24	80	170.7	108.0	65.0	35.1	57.2	14.2	31.5	19.6		34.8	19.1	54.4	60.2		4U208-24 x
4U3GF8-40M x	40M																		4U208-40M x
				3.346	7.19	4.56	2.75	1.5	2.5	0.63	1.24	0.76	1/2"	1.37	0.75	2.13	2.5	3GG	
				85	182.6	115.8	69.9	38.1	63.5	16.0	31.5	19.3		34.8	19.1	54.1	63.5		
4U3GG8-28 x		1-3/4	28																4U209-28 x
				3.543	7.63	4.88	2.94	1.63	2.75	0.63	1.24	0.77	1/2"	1.5	0.75	2.27	2.75	3GH	
				90	193.8	124.0	74.7	41.4	69.9	16.0	31.5	19.6		38.1	19.1	57.7	69.9		
4U3GH8-31 x		1-15/16	31																4U210-31 x
4U3GH8-50M x	50M																		4U210-50M x
4U3GH8-32 x		2	32																4U210-32 x
4U3GI8-32 x		2	32	3.937	8.38	5.38	3.12	1.75	3	0.69	1.47	0.92	5/8"	1.72	0.87	2.64	3	3GI	4U211-32 x
				100	212.9	136.7	79.2	44.5	76.2	17.5	37.3	23.4		43.7	22.1	67.1	76.2		
4U3GI8-35 x		2-3/16	35																4U211-35 x
				4.331	9.19	6	3.38	2	3.5	0.69	1.66	1.07	5/8"	1.84	1	2.91	3.32	3GJ	
				110	233.4	152.4	85.9	50.8	88.9	17.5	42.2	27.2		46.7	25.4	73.9	84.3		
4U3GJ8-39 x		2-7/16	39																4U212-39 x
				4.921	10.38	6.88	3.75	2.38	4.25	0.75	1.86	1.25	5/8"	1.94	1.19	3.19	4.02	3GK	
				125	263.7	174.8	95.3	60.5	108.0	19.1	47.2	31.8		49.3	30.2	81.0	102.1		
4U3GK8-44 x		2-3/4	44																4U214-44 x
				5.128	11.13	7.13	4	2.63	4.25	1	1.98	1.39	5/8	2.15	1.31	3.54	4.02	3GL	
				130	282.7	181.1	101.6	66.8	108.0	25.4	50.3	35.3		54.6	33.3	89.9	102.1		
4U3GL8-47 x		2-15/16	47																4U215-47 x
4U3GL8-75M x	75M																		4U215-75M x
4U3GL8-48 x		3	48																4U215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

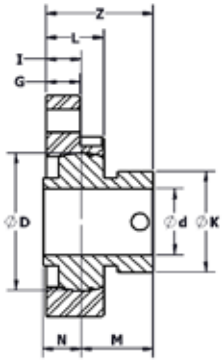
Stainless Ball Solution®
Round Three-Bolt Flange

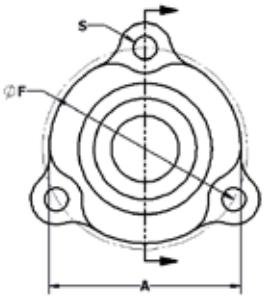
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Round three-bolt pattern Series “22”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals





Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	F	G	L	I	S	M	N	Z	K		WIDE ECC
	12			1.575	2.4	2.5	0.38	0.69	0.43	1/4	0.91	0.39	1.34	1.13	22AA	
4U22AA8-08 x		1/2	8	40	61.0	63.5	9.5	17.5	10.9		23.1	9.9	34.0	28.7		4U203-08 x
		9/16	9													
	15															
4U22AA8-10 x		5/8	10													4U203-10 x
	17															
	12			1.575	2.4	2.39	0.38	0.69	0.43	1/4	0.91	0.39	1.34	1.13	22AA-01	
4U22AA-018-08 x		1/2	8	40	61.0	60.7	9.5	17.5	10.9		23.1	9.9	34.0	28.7		4U203-08 x
		9/16	9													
	15															
4U22AA-018-10 x		5/8	10													4U203-10 x
	17															
	12			1.850	2.5	2.81	0.42	0.78	0.43	5/16	1.05	0.5	1.48	1.31	22AB	
4U22AB8-08 x		1/2	8	47	63.5	71.4	10.7	19.8	10.9		26.7	12.7	37.6	33.3		4U204-08 x
	15															
4U22AB8-10 x		5/8	10													4U204-10 x
	17															
		11/16	11													
4U22AB8-12 x		3/4	12													4U204-12 x
4U22AB8-20M x	20M															4U204-20M x
		3/4	12	2.047	2.8	3	0.5	0.84	0.53	5/16	1.06	0.56	1.59	1.5	22AC	
		7/8		52	71.1	76.2	12.7	21.3	13.5		26.9	14.2	40.4	38.1		
		15/16														
4U22AC8-25M x	25M															4U205-25M x
4U22AC8-16 x		1	16													4U205-16 x
		1	16	2.441	3.31	3.56	0.58	0.98	0.6	3/8	1.19	0.63	1.79	1.75	22AD	
		1-1/16	17	62	84.1	90.4	14.7	24.9	15.2		30.2	16.0	45.5	44.5		
		1-1/8	18													
4U22AD8-30M x	30M															4U206-30M x
4U22AD8-19 x		1-3/16	19													4U206-19 x
4U22AD8-20 x		1-1/4	20													4U206-20 x
		1-3/16	19	2.835	3.69	3.94	0.66	1.12	0.7	3/8	1.27	0.69	1.97	2.19	22AE	
4U22AE8-20 x		1-1/4	20	72	93.7	100.1	16.8	28.4	17.8		32.3	17.5	50.0	55.6		4U207-20 x
		1-5/16	21													
4U22AE8-22 x		1-3/8	22													4U207-22 x
4U22AE8-35M x	35M															4U207-35M x
4U22AE8-23 x		1-7/16	23													4U207-23 x
		1-7/16	23	3.150	3.69	3.94	0.66	1.12	0.7	3/8	1.37	0.75	2.07	2.37	22AF	
4U22AF8-24 x		1-1/2	24	80	93.7	100.1	16.8	28.4	17.8		34.8	19.1	52.6	60.2		4U208-24 x
4U22AF8-40M x	40M															4U208-40M x
		1-1/2	24	3.334	4.5	4.75	0.65	1.12	0.7	1/2	1.37	0.75	2.07	2.5	22AG	
		1-5/8	26	85	114.3	120.7	16.5	28.4	17.8		34.8	19.1	52.6	63.5		
		1-11/16	27													
4U22AG8-28 x		13/4	28													4U209-28 x
		1-3/4	28	3.543	4.5	5	0.63	1.13	0.72	1/2	1.5	0.75	2.22	2.75	22AH	
		1-7/8	30	90	114.3	127.0	15.9	28.6	18.3		38.1	19.1	56.4	69.9		
4U22AH8-31 x		1-15/16	31													4U210-31 x
4U22AH8-50M x	50M															4U210-50M x
4U22AH8-32 x		2	32													4U210-32 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

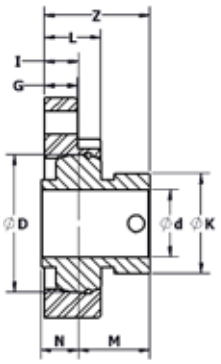
Stainless Ball Solution®
Round Three-Bolt Flange

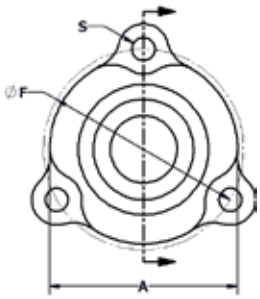
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Round three-bolt pattern Series “22”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals





Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size					Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball Bearing PN
	mm	in	16th	D	A	F	G	L	I	S	M	N	Z	K		WIDE ECC
	12			1.575	2.38	2.5	0.38	0.69	0.41	1/4	0.91	0.39	1.32	1.13	22GA	
4U22GA8-08 x		1/2	8	40	60.5	63.5	9.5	17.5	10.4		23.1	9.9	33.5	28.7		4U203-08 x
		9/16	9													
	15															
4U22GA8-10 x		5/8	10													4U203-10 x
	17															
	12			1.575	2.38	2.39	0.38	0.69	0.41	1/4	0.91	0.39	1.32	1.13	22GA-01	
4U22GA-018-08 x		1/2	8	40	60.5	60.7	9.5	17.5	10.4		23.1	9.9	33.5	28.7		4U203-08 x
		9/16	9													
	15															
4U22GA-018-10 x		5/8	10													4U203-10 x
	17															
	12			1.850	2.5	2.81	0.42	0.78	0.43	5/16	1.05	0.5	1.48	1.31	22GB	
4U22GB8-08 x		1/2	8	47	63.5	71.4	10.7	19.8	10.9		26.7	12.7	37.6	33.3		4U204-08 x
	15															
4U22GB8-10 x		5/8	10													4U204-10 x
	17															
		11/16	11													
4U22GB8-12 x		3/4	12													4U204-12 x
4U22GB8-20M x	20M															4U204-20M x
		3/4	12	2.047	2.81	3	0.5	0.84	0.51	5/16	1.06	0.56	1.57	1.5	22GC	
		7/8		52	71.4	76.2	12.7	21.3	13.0		26.9	14.2	39.9	38.1		
		15/16														
4U22GC8-25M x	25M															4U205-25M x
4U22GC8-16 x		1	16													4U205-16 x
		1	16	2.441	3.31	3.56	0.58	0.98	0.58	3/8	1.19	0.63	1.77	1.75	22GD	
		1-1/16	17	62	84.1	90.4	14.7	24.9	14.7		30.2	16.0	45.0	44.5		
		1-1/8	18													
4U22GD8-30M x	30M															4U206-30M x
4U22GD8-19 x		1-3/16	19													4U206-19 x
4U22GD8-20 x		1-1/4	20													4U206-20 x
		1-3/16	19	2.835	3.69	3.94	0.66	1.08	0.68	3/8	1.27	0.69	1.95	2.19	22GE	
4U22GE8-20 x		1-1/4	20	72	93.7	100.1	16.8	27.4	17.3		32.3	17.5	49.5	55.6		4U207-20 x
		1-5/16	21													
4U22GE8-22 x		1-3/8	22													4U207-22 x
4U22GE8-35M x	35M															4U207-35M x
4U22GE8-23 x		1-7/16	23													4U207-23 x

X indicates a 2-letter designation for lube & seals

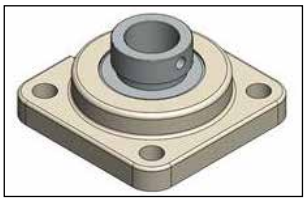
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

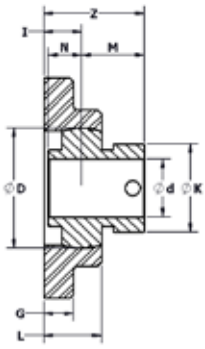
Stainless Ball Solution® Four-Bolt Flange

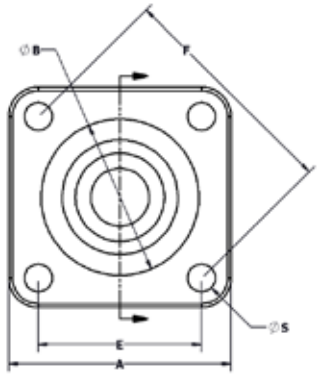
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Standard four-bolt pattern Series “4”
Stainless housing Series “A”



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3	2.15	2.13	3.01	0.44	0.85	0.53	3/8"	0.91	0.39	1.44	1.13	4AA	
4U4AA8-08 x		1/2	8	40	76.2	54.6	54.1	76.5	11.2	21.6	13.5		23.1	9.9	36.6	28.7		4U203-08 x
4U4AA8-10 x		5/8	10															4U203-10 x
				1.850	3.38	2.42	2.5	3.54	0.44	0.95	0.59	3/8"	1.05	0.5	1.64	1.31	4AB	
4U4AB8-08 x		1/2	8	47	85.9	61.5	63.5	89.9	11.2	24.1	15.0		26.7	12.7	41.7	33.3		4U204-08 x
4U4AB8-10 x		5/8	10															4U204-10 x
4U4AB8-12 x		3/4	12															4U204-12 x
4U4AB8-20M x	20M																	4U204-20M x
				2.047	3.75	2.66	2.75	3.89	0.5	0.97	0.64	7/16"	1.06	0.56	1.70	1.5	4AC	
				52	95.3	67.6	69.9	98.8	12.7	24.6	16.3		26.9	14.2	43.2	38.1		
4U4AC8-25M x	25M																	4U205-25M x
4U4AC8-16 x		1	16															4U205-16 x
				2.441	4.25	3.13	3.25	4.6	0.5	1.07	0.66	7/16"	1.19	0.63	1.85	1.75	4AD	
				62	108.0	79.5	82.6	116.8	12.7	27.2	16.8		30.2	16.0	47.0	44.5		
4U4AD8-30M x	30M																	4U206-30M x
4U4AD8-19 x		1-3/16	19															4U206-19 x
4U4AD8-20 x		1-1/4	20															4U206-20 x
				2.835	4.75	3.63	3.63	5.13	0.56	1.22	0.79	1/2"	1.27	0.69	2.06	2.19	4AE	
4U4AE8-20 x		1-1/4	20	72	120.7	92.2	92.2	130.3	14.2	31.0	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U4AE8-22 x		1-3/8	22															4U207-22 x
4U4AE8-35M x	35M																	4U207-35M x
4U4AE8-23 x		1-7/16	23															4U207-23 x
				3.150	5.13	4	4	5.66	0.56	1.24	0.77	1/2"	1.37	0.75	2.14	2.37	4AF	
4U4AF8-24 x		1-1/2	24	80	130.3	101.6	101.6	143.8	14.2	31.5	19.6		34.8	19.1	54.4	60.2		4U208-24 x
4U4AF8-40M x	40M																	4U208-40M x
				3.346	5.25	4.25	4.13	5.83	0.63	1.24	0.76	1/2"	1.37	0.75	2.13	2.5	4AG	
				85	133.4	108.0	104.9	148.1	16.0	31.5	19.3		34.8	19.1	54.1	63.5		
4U4AG8-28 x		1-3/4	28															4U209-28 x
				3.543	5.5	4.56	4.38	6.19	0.63	1.24	0.77	1/2"	1.5	0.75	2.27	2.75	4AH	
				90	139.7	115.8	111.3	157.2	16.0	31.5	19.6		38.1	19.1	57.7	69.9		
4U4AH8-31 x		1-15/16	31															4U210-31 x
4U4AH8-50M x	50M																	4U210-50M x
4U4AH8-32 x		2	32															4U210-32 x
4U4AI8-32 x		2	32	3.937	6.5	5.06	5.13	7.25	0.69	1.47	0.92	5/8"	1.72	0.87	2.64	3	4AI	4U211-32 x
				100	165.1	128.5	130.3	184.2	17.5	37.3	23.4		43.7	22.1	67.1	76.2		
4U4AI8-35 x		2-3/16	35															4U211-35 x
				4.331	7	5.63	5.63	7.96	0.69	1.66	1.07	5/8"	1.84	1	2.91	3.32	4AJ	
				110	177.8	143.0	143.0	202.2	17.5	42.2	27.2		46.7	25.4	73.9	84.3		
4U4AJ8-39 x		2-7/16	39															4U212-39 x
				4.921	7.25	6.44	5.88	8.31	0.75	1.86	1.25	5/8"	1.94	1.19	3.19	4.02	4AK	
				125	184.2	163.6	149.4	211.1	19.1	47.2	31.8		49.3	30.2	81.0	102.1		
4U4AK8-44 x		2-3/4	44															4U214-44 x
				5.128	7.62	6.5	6	8.49	1	1.98	1.39	3/4"	2.15	1.31	3.54	4.02	4AL	
				130	193.5	165.1	152.4	215.6	25.4	50.3	35.3		54.6	33.3	89.9	102.1		
4U4AL8-47 x		2-15/16	47															4U215-47 x
4U4AL8-75M x	75M																	4U215-75M x
4U4AL8-48 x		3	48															4U215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

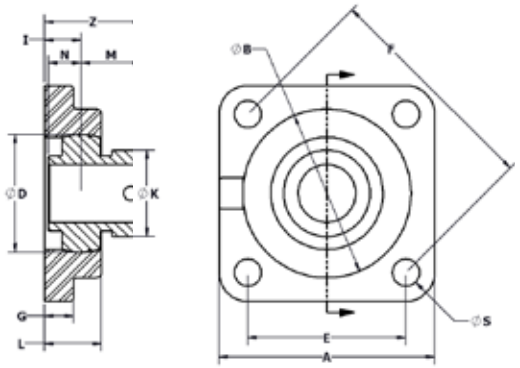
Stainless Ball Solution® Four-Bolt Flange

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4"
Polymer housing Series "G"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3	2.15	2.13	3.01	0.44	0.85	0.53	3/8"	0.91	0.39	1.44	1.13	4GA	
4U4GA8-08 x		1/2	8	40	76.2	54.6	54.1	76.5	11.2	21.6	13.5		23.1	9.9	36.6	28.7		4U203-08 x
4U4GA8-10 x		5/8	10															4U203-10 x
				1.850	3.38	2.69	2.5	3.54	0.44	0.95	0.59	3/8"	1.05	0.5	1.64	1.31	4GB	
4U4GB8-08 x		1/2	8	47	85.9	68.3	63.5	89.9	11.2	24.1	15.0		26.7	12.7	41.7	33.3		4U204-08 x
4U4GB8-10 x		5/8	10															4U204-10 x
4U4GB8-12 x		3/4	12															4U204-12 x
4U4GB8-20M x	20M																	4U204-20M x
				2.047	3.75	2.93	2.75	3.89	0.5	0.99	0.64	7/16"	1.06	0.56	1.70	1.5	4GC	
				52	95.3	74.4	69.9	98.8	12.7	25.1	16.3		26.9	14.2	43.2	38.1		
4U4GC8-25M x	25M																	4U205-25M x
4U4GC8-16 x		1	16															4U205-16 x
				2.441	4.25	3.63	3.25	4.6	0.5	1.07	0.66	7/16"	1.19	0.63	1.85	1.75	4GD	
				62	108.0	92.2	82.6	116.8	12.7	27.2	16.8		30.2	16.0	47.0	44.5		
4U4GD8-30M x	30M																	4U206-30M x
4U4GD8-19 x		1-3/16	19															4U206-19 x
4U4GD8-20 x		1-1/4	20															4U206-20x
				2.835	4.75	4	3.63	5.13	0.56	1.22	0.79	1/2"	1.27	0.69	2.06	2.19	4GE	
4U4GE8-20 x		1-1/4	20	72	120.7	101.6	92.2	130.3	14.2	31.0	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U4GE8-22 x		1-3/8	22															4U207-22 x
4U4GE8-35M x	35M																	4U207-35M x
4U4GE8-23 x		1-7/16	23															4U207-23 x
				3.150	5.13	4.56	4	5.66	0.56	1.24	0.77	1/2"	1.37	0.75	2.14	2.37	4GF	
4U4GF8-24 x		1-1/2	24	80	130.3	115.8	101.6	143.8	14.2	31.5	19.6		34.8	19.1	54.4	60.2		4U208-24 x
4U4GF8-40M x	40M																	4U208-40M x
				3.346	5.25	4.74	4.13	5.83	0.63	1.24	0.76	1/2"	1.37	0.75	2.13	2.5	4GG	
				85	133.4	120.4	104.9	148.1	16.0	31.5	19.3		34.8	19.1	54.1	63.5		
4U4GG8-28 x		1-3/4	28															4U209-28 x
				3.543	5.5	5.06	4.38	6.19	0.63	1.24	0.77	1/2"	1.5	0.75	2.27	2.75	4GH	
				90	139.7	128.5	111.3	157.2	16.0	31.5	19.6		38.1	19.1	57.7	69.9		
4U4GH8-31 x		1-15/16	31															4U210-31 x
4U4GH8-50M x	50M																	4U210-50M x
4U4GH8-32 x		2	32															4U210-32 x
4U4GI8-32 x		2	32	3.937	6.5	5.88	5.13	7.25	0.69	1.47	0.92	5/8"	1.72	0.87	2.64	3	4GI	4U211-32x
				100	165.1	149.4	130.3	184.2	17.5	37.3	23.4		43.7	22.1	67.1	76.2		
4U4GI8-35 x		2-3/16	35															4U211-35 x
				4.331	7	6.56	5.62	7.96	0.69	1.66	1.07	5/8"	1.84	1	2.91	3.32	4GJ	
				110	177.8	166.6	142.7	202.2	17.5	42.2	27.2		46.7	25.4	73.9	84.3		
4U4GJ8-39 x		2-7/16	39															4U212-39 x
				4.921	6.94	6.44	5.87	8.31	0.75	1.86	1.25	5/8"	1.94	1.19	3.19	4.02	4GK	
				125	176.3	163.6	149.1	211.1	19.1	47.2	31.8		49.3	30.2	81.0	102.1		
4U4GK8-44 x		2-3/4	44															4U214-44 x
				5.128	7.63	6.94	6	8.49	1	1.98	1.39	3/4"	2.15	1.31	3.54	4.02	4GL	
				130	193.8	176.3	152.4	215.6	25.4	50.3	35.3		54.6	33.3	89.9	102.1		
4U4GL8-47 x		2-15/16	47															4U215-47 x
4U4GL8-75M x	75M																	4U215-75Mx
4U4GL8-48 x		3	48															4U215-48x

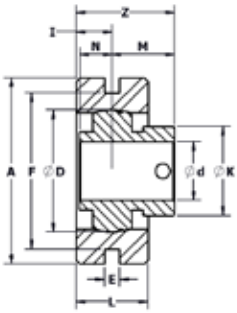
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

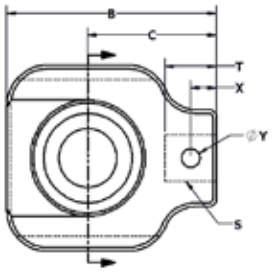
Stainless Ball Solution®
Take Up Bearing, Narrow

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Take up bearing pattern Series “5”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph. depth	Hole size				Brg c/l to front	Btrg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K		WIDE ECC
				1.575	2.5	2.69	1.69	0.26	2	0.88	0.44	17/32	0.63	0.31	0.25	0.91	0.39	1.35	1.13	5AA	
4U5AA8-08 x		1/2	8	40	63.5	68.3	42.9		50.8	22.4	11.2		16.0	7.9		23.1	9.9	34.3	28.7		4U203-08 x
4U5AA8-10 x		5/8	10																		4U203-10 x
				1.850	3.13	3.44	2.19	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	1.05	0.5	1.66	1.31	5AB	
4U5AB8-08 x		1/2	8	47	79.5	87.4	55.6		66.8	31.0	15.5		22.4	11.2		26.7	12.7	42.2	33.3		4U204-08 x
4U5AB8-10 x		5/8	10																		4U204-10 x
4U5AB8-12 x		3/4	12																		4U204-12 x
4U5AB8-20M x	20M																				4U204-20M x
				2.047	3.13	3.56	2.19	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	1.06	0.56	1.67	1.5	5AC	
				52	79.5	90.4	55.6		66.8	31.0	15.5		22.4	11.2		26.9	14.2	42.4	38.1		
4U5AC8-25M x	25M																				4U205-25M x
4U5AC8-16 x		1	16																		4U205-16 x
				2.441	4.13	4.31	2.69	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	1.19	0.63	1.80	1.75	5AD	
				62	104.9	109.5	68.3		88.9	31.0	15.5		25.4	12.7		30.2	16.0	45.7	44.5		
4U5AD8-30M x	30M																				4U206-30M x
4U5AD8-19 x		1-3/16	19																		4U206-19 x
4U5AD8-20 x		1-1/4	20																		4U206-20x
				2.835	4.13	4.5	2.69	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	1.27	0.69	1.88	2.19	5AE	
4U5AE8-20 x		1-1/4	20	72	104.9	114.3	68.3		88.9	31.0	15.5		25.4	12.7		32.3	17.5	47.8	55.6		4U207-20 x
4U5AE8-22 x		1-3/8	22																		4U207-22 x
4U5AE8-35M x	35M																				4U207-35M x
4U5AE8-23 x		1-7/16	23																		4U207-23 x
				3.150	4.75	5.38	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.37	0.75	2.11	2.37	5AF	
4U5AF8-24 x		1-1/2	24	80	120.7	136.7	82.6		101.6	37.3	18.7		29.5	16.8		34.8	19.1	53.5	60.2		4U208-24 x
4U5AF8-40M x	40M																				4U208-40M x
				3.346	4.75	5.44	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.37	0.75	2.11	2.5	5AG	
				85	120.7	138.2	82.6		101.6	37.3	18.7		29.5	16.8		34.8	19.1	53.5	63.5		
4U5AG8-28 x		1-3/4	28																		4U209-28 x
				3.543	4.75	5.5	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.5	0.75	2.24	2.75	5AH	
				90	120.7	139.7	82.6		101.6	37.3	18.7		29.5	16.8		38.1	19.1	56.8	69.9		
4U5AH8-31 x		1-15/16	31																		4U210-31 x
4U5AH8-50M x	50M																				4U210-50M x
4U5AH8-32 x		2	32																		4U210-32 x
4U5AI8-32 x		2	32	3.937	5.38	6.13	3.63	0.32	4.44	1.72	0.86	1-1/32	1.28	0.69	0.44	1.72	0.87	2.58	3	5AI	4U211-32 x
				100	136.7	155.7	92.2		112.8	43.7	21.8		32.5	17.5		43.7	22.1	65.5	76.2		
4U5AI8-35 x		2-3/16	35																		4U211-35 x
				4.331	5.75	6.69	3.88	0.32	4.94	1.72	0.86	1-1/32	1.28	0.69	0.44	1.84	1	2.70	3.32	5AJ	
				110	146.1	169.9	98.6		125.5	43.7	21.8		32.5	17.5		46.7	25.4	68.6	84.3		
4U5AJ8-39 x		2-7/16	39																		4U212-39 x
				4.921	6.38	7.38	4.31	0.38	5.5	1.88	0.94	1-9/32	1.5	0.75	0.5	1.94	1.19	2.88	4.02	5AK	
				125	162.1	187.5	109.5		139.7	47.8	23.9		38.1	19.1		49.3	30.2	73.2	102.1		
4U5AK8-44 x		2-3/4	44																		4U214-44 x
				5.128	6.75	7.69	4.44	0.38	5.88	1.88	0.94	1-9/32	1.5	0.75	0.5	2.15	1.31	3.09	4.02	5AL	
				130	171.5	195.3	112.8		149.4	47.8	23.9		38.1	19.1		54.6	33.3	78.5	102.1		
4U5AL8-47 x		2-15/16	47																		4U215-47 x
4U5AL8-75M x	75M																				4U215-75M x
4U5AL8-48 x		3	48																		4U215-48 x

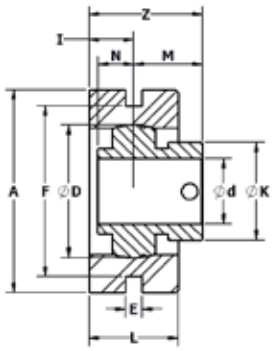
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

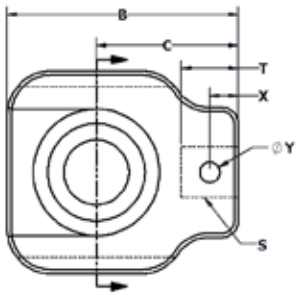
Stainless Ball Solution®
Take Up Bearing, Narrow

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Take up bearing pattern Series “5”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph. depth	Hole size				Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K		WIDE ECC
		1/2	8	1.575	2.5	2.69	1.69	0.26	2	1		17/32	0.63	0.31	0.25	0.91	0.39	1.41	1.13		
		5/8	10	40	63.5	68.3	42.9		50.8	25.4			16.0	7.9		23.1	9.9	35.8	28.7		
				1.850	3.13	3.44	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	1.05	0.5	1.74	1.31	5GB	
4U5GB8-08 x		1/2	8	47	79.5	87.4	55.6		66.8	34.9	17.5		22.4	11.2		26.7	12.7	44.1	33.3		4U204-08 x
4U5GB8-10 x		5/8	10																		4U204-10 x
4U5GB8-12 x		3/4	12																		4U204-12 x
4U5GB8-20M x	20M																				4U204-20M x
				2.047	3.13	3.56	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	1.06	0.56	1.75	1.5	5GC	
				52	79.5	90.4	55.6		66.8	34.9	17.5		22.4	11.2		26.9	14.2	44.4	38.1		
4U5GC8-25M x	25M																				4U205-25M x
4U5GC8-16 x		1	16																		4U205-16 x
				2.441	4.13	4.31	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	1.19	0.63	1.88	1.75	5GD	
				62	104.9	109.5	68.3		88.9	34.9	17.5		25.4	12.7		30.2	16.0	47.7	44.5		
4U5GD8-30M x	30M																				4U206-30M x
4U5GD8-19 x		1-3/16	19																		4U206-19 x
4U5GD8-20 x		1-1/4	20																		4U206-20 x
				2.835	4.13	4.5	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	1.27	0.69	1.96	2.19	5GE	
4U5GE8-20 x		1-1/4	20	72	104.9	114.3	68.3		88.9	34.9	17.5		25.4	12.7		32.3	17.5	49.7	55.6		4U207-20 x
4U5GE8-22 x		1-3/8	22																		4U207-22 x
4U5GE8-35M x	35M																				4U207-35M x
4U5GE8-23 x		1-7/16	23																		4U207-23 x
				3.150	4.75	5.38	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.37	0.75	2.18	2.37	5GF	
4U5GF8-24 x		1-1/2	24	80	120.7	136.7	82.6		101.6	41.3	20.6		29.5	16.8		34.8	19.1	55.4	60.2		4U208-24 x
4U5GF8-40M x	40M																				4U208-40M x
				3.346	4.75	5.44	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.37	0.75	2.18	2.5	5GG	
				85	120.7	138.2	82.6		101.6	41.3	20.6		29.5	16.8		34.8	19.1	55.4	63.5		
4U5GG8-28 x		1-3/4	28																		4U209-28 x
				3.543	4.75	5.5	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.5	0.75	2.31	2.75	5GH	
				90	120.7	139.7	82.6		101.6	41.3	20.6		29.5	16.8		38.1	19.1	58.7	69.9		
4U5GH8-31 x		1-15/16	31																		4U210-31 x
4U5GH8-50M x	50M																				4U210-50M x
4U5GH8-32 x		2	32																		4U210-32 x
4U5GI8-32 x		2	32	3.937	5.38	6.13	3.63	0.32	4.44	1.75	0.88	1-1/32	1.28	0.69	0.44	1.72	0.87	2.60	3	5GI	4U211-32 x
				100	136.7	155.7	92.2		112.8	44.5	22.2		32.5	17.5		43.7	22.1	65.9	76.2		
4U5GI8-35 x		2-3/16	35																		4U211-35 x
				4.331	5.75	6.69	3.88	0.32	4.94	1.75	0.88	1-1/32	1.28	0.69	0.44	1.84	1	2.72	3.32	5GJ	
				110	146.1	169.9	98.6		125.5	44.5	22.2		32.5	17.5		46.7	25.4	69.0	84.3		
4U5GJ8-39 x		2-7/16	39																		4U212-39 x
				4.921	6.38	7.38	4.31	0.38	5.5	2	1.00	1-9/32	1.5	0.75	0.5	1.94	1.19	2.94	4.02	5GK	
				125	162.1	187.5	109.5		139.7	50.8	25.4		38.1	19.1		49.3	30.2	74.7	102.1		
4U5GK8-44 x		2-3/4	44																		4U214-44 x
				5.128	6.75	7.69	4.44	0.38	5.88	2	1.00	1-9/32	1.5	0.75	0.5	2.15	1.31	3.15	4.02	5GL	
				130	171.5	195.3	112.8		149.4	50.8	25.4		38.1	19.1		54.6	33.3	80.0	102.1		
4U5GL8-47 x		2-15/16	47																		4U215-47 x
4U5GL8-75M x	75M																				4U215-75M x
4U5GL8-48 x		3	48																		4U215-48 x

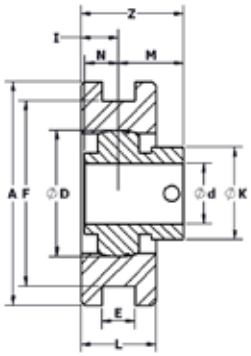
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

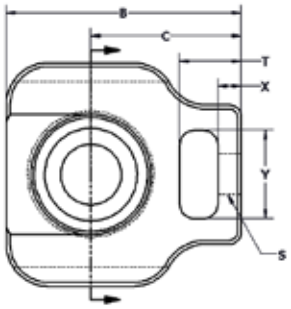
Stainless Ball Solution®
Take Up Bearing, Wide

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Take up bearing pattern Series “7”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Hole size				Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K	PN	WIDE ECC
				1.575	3	3.13	2	0.42	2.5	0.97	0.49	17/32	0.81	0.31	1.25	0.91	0.39	1.40	1.13	7AA	
4U7AA8-08 x		1/2	8	40	76.2	79.5	50.8	10.7	63.5	24.6	12.3		20.6	7.9	31.8	23.1	9.9	35.4	28.7		4U203-08 x
4U7AA8-10 x		5/8	10																		4U203-10 x
				1.850	3.63	3.69	2.38	0.54	3	1.22	0.61	21/32	1	0.38	1.44	1.05	0.5	1.66	1.31	7AB	
4U7AB8-08 x		1/2	8	47	92.2	93.7	60.5	13.7	76.2	31.0	15.5		25.4	9.7	36.6	26.7	12.7	42.2	33.3		4U204-08 x
4U7AB8-10 x		5/8	10																		4U204-10 x
4U7AB8-12 x		3/4	12																		4U204-12 x
4U7AB8-20M x	20M																				4U204-20M x
				2.047	3.63	3.81	2.44	0.54	3	1.22	0.61	21/32	1	0.38	1.44	1.06	0.56	1.67	1.5	7AC	
				52	92.2	96.8	62.0	13.7	76.2	31.0	15.5		25.4	9.7	36.6	26.9	14.2	42.4	38.1		
4U7AC8-25M x	25M																				4U205-25M x
4U7AC8-16 x		1	16																		4U205-16 x
				2.441	4.13	4.38	2.75	0.54	3.5	1.47	0.74	25/32	1.16	0.38	1.63	1.19	0.63	1.93	1.75	7AD	
				62	104.9	111.3	69.9	13.7	88.9	37.3	18.7		29.5	9.7	41.4	30.2	16.0	48.9	44.5		
4U7AD8-30M x	30M																				4U206-30M x
4U7AD8-19 x		1-3/16	19																		4U206-19 x
4U7AD8-20 x		1-1/4	20																		4U206-20 x
				2.835	4.13	4.81	3	0.54	3.5	1.47	0.74	25/32	1.16	0.38	1.63	1.27	0.69	2.01	2.19	7AE	
4U7AE8-20 x		1-1/4	20	72	104.9	122.2	76.2	13.7	88.9	37.3	18.7		29.5	9.7	41.4	32.3	17.5	50.9	55.6		4U207-20 x
4U7AE8-22 x		1-3/8	22																		4U207-22 x
4U7AE8-35M x	35M																				4U207-35M x
4U7AE8-23 x		1-7/16	23																		4U207-23 x
				3.150	4.5	5.5	3.44	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.37	0.75	2.31	2.37	7AF	
4U7AF8-24 x		1-1/2	24	80	114.3	139.7	87.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	34.8	19.1	58.7	60.2		4U208-24 x
4U7AF8-40M x	40M																				4U208-40M x
				3.346	4.63	5.69	3.5	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.37	0.75	2.31	2.5	7AG	
				85	117.6	144.5	88.9	17.8	101.6	47.8	23.9		38.1	14.2	49.3	34.8	19.1	58.7	63.5		
4U7AG8-28 x		1-3/4	28																		4U209-28 x
				3.543	4.75	5.81	3.56	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.5	0.75	2.44	2.75	7AH	
				90	120.7	147.6	90.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	38.1	19.1	62.0	69.9		
4U7AH8-31 x		1-15/16	31																		4U210-31 x
4U7AH8-50M x	50M																				4U210-50M x
4U7AH8-32 x		2	32																		4U210-32 x
4U7AI8-32 x		2	32	3.937	5.88	7	4.5	1.07	5.13	1.97	0.99	1-5/16	1.97	0.72	2.5	1.72	0.87	2.71	3	7AI	4U211-32 x
				100	149.4	177.8	114.3	27.2	130.3	50.0	25.0		50.0	18.3	63.5	43.7	22.1	68.7	76.2		
4U7AI8-35 x		2-3/16	35																		4U211-35 x
				4.331	5.88	7.5	4.69	1.07	5.13	1.97	0.99	1-5/16	1.97	0.72	2.5	1.84	1	2.83	3.32	7AJ	
				110	149.4	190.5	119.1	27.2	130.3	50.0	25.0		50.0	18.3	63.5	46.7	25.4	71.8	84.3		
4U7AJ8-39 x		2-7/16	39																		4U212-39 x
				4.921	6.69	8.88	5.38	1.07	5.94	1.97	0.99	1-9/16	2.31	0.81	2.88	1.94	1.19	2.93	4.02	7AK	
				125	169.9	225.6	136.7	27.2	150.9	50.0	25.0		58.7	20.6	73.2	49.3	30.2	74.3	102.1		
4U7AK8-44 x		2-3/4	44																		4U214-44 x
				5.128	6.69	9.13	5.5	1.07	5.94	1.97	0.99	1-9/16	2.31	0.81	2.88	2.15	1.31	3.14	4.02	7AL	
				130	169.9	231.9	139.7	27.2	150.9	50.0	25.0		58.7	20.6	73.2	54.6	33.3	79.6	102.1		
4U7AL8-47 x		2-15/16	47																		4U215-47 x
4U7AL8-75M x	75M																				4U215-75M x
4U7AL8-48 x		3	48																		4U215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

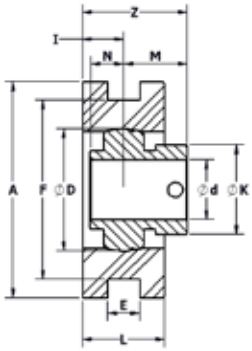
Stainless Ball Solution®
Take Up Bearing, Wide

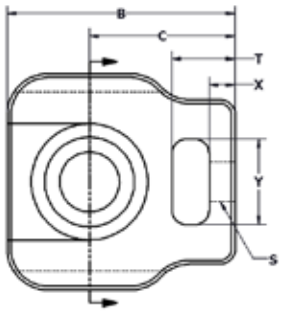
CHOICE

Eccentric lock stainless ball bearing Series “4U”
Take up bearing pattern Series “7”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals





Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Hole size				Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K	PN	WIDE ECC
		1/2	8	1.58	3	3.13	2	0.42	2.5			17/32	0.88	0.38	1.25	0.91	0.39	1.47	1.13		
		5/8	10	40.1	76.2	79.5	50.8	10.7	63.5				22.4	9.7	31.8	23.1	9.9	37.4	28.7		
				1.85	3.63	3.69	2.38	0.54	3	1.38	0.69	21/32	1.06	0.44	1.44	1.05	0.5	1.74	1.31	7GB	
4U7GB8-08 x		1/2	8	47.0	92.2	93.7	60.5	13.7	76.2	35.1	17.5		26.9	11.2	36.6	26.7	12.7	44.2	33.3		4U204-08 x
4U7GB8-10 x		5/8	10																		4U204-10 x
4U7GB8-12 x		3/4	12																		4U204-12 x
4U7GB8-20M x	20M																				4U204-20M x
				2.05	3.63	3.81	2.44	0.54	3	1.38	0.69	21/32	1.06	0.44	1.44	1.06	0.56	1.75	1.5	7GC	
				52.1	92.2	96.8	62.0	13.7	76.2	35.1	17.5		26.9	11.2	36.6	26.9	14.2	44.5	38.1		
4U7GC8-25M x	25M																				4U205-25M x
4U7GC8-16 x		1	16																		4U205-16 x
				2.44	4.13	4.38	2.75	0.54	3.5	1.63	0.81	25/32	1.22	0.44	1.63	1.19	0.63	2.00	1.75	7GD	
				62.0	104.9	111.3	69.9	13.7	88.9	41.3	20.6		31.0	11.2	41.4	30.2	16.0	50.9	44.5		
4U7GD8-30M x	30M																				4U206-30M x
4U7GD8-19 x		1-3/16	19																		4U206-19 x
4U7GD8-20 x		1-1/4	20																		4U206-20 x
				2.84	4.13	4.81	3	0.54	3.5	1.63	0.81	25/32	1.22	0.44	1.63	1.27	0.69	2.08	2.19	7GE	
4U7GE8-20 x		1-1/4	20	72.1	104.9	122.2	76.2	13.7	88.9	41.3	20.6		31.0	11.2	41.4	32.3	17.5	52.9	55.6		4U207-20 x
4U7GE8-22 x		1-3/8	22																		4U207-22 x
4U7GE8-35M x	35M																				4U207-35M x
4U7GE8-23 x		1-7/16	23																		4U207-23 x
				3.15	4.5	5.5	3.44	0.69	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.37	0.75	2.31	2.37	7GF	
4U7GF8-24 x		1-1/2	24	80.0	114.3	139.7	87.4	17.5	101.6	47.8	23.9		38.1	14.2	49.3	34.8	19.1	58.7	60.2		4U208-24 x
4U7GF8-40M x	40M																				4U208-40M x
				3.35	4.63	5.69	3.5	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.37	0.75	2.31	2.5	7GG	
				85.1	117.6	144.5	88.9	17.8	101.6	47.8	23.9		38.1	14.2	49.3	34.8	19.1	58.7	63.5		
4U7GG8-28 x		1-3/4	28																		4U209-28 x
				3.54	4.75	5.81	3.56	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.5	0.75	2.44	2.75	7GH	
				89.9	120.7	147.6	90.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	38.1	19.1	62.0	69.9		
4U7GH8-31 x		1-15/16	31																		4U210-31 x
4U7GH8-50M x	50M																				4U210-50M x
4U7GH8-32 x		2	32																		4U210-32 x
4U7GI8-32 x		2	32	3.94	5.88	7.5	4.69	1.07	5.13	2.5	1.25	1-5/16	1.97	0.72	2.5	1.72	0.87	2.97	3	7GI	4U211-32 x
				100.1	149.4	190.5	119.1	27.2	130.3	63.5	31.8		50.0	18.3	63.5	43.7	22.1	75.4	76.2		
4U7GI8-35 x		2-3/16	35																		4U211-35 x
				4.33	5.88	7.5	4.69	1.07	5.13	2.5	1.25	1-5/16	1.97	0.72	2.5	1.84	1	3.09	3.32	7GJ	
				110.0	149.4	190.5	119.1	27.2	130.3	63.5	31.8		50.0	18.3	63.5	46.7	25.4	78.5	84.3		
4U7GJ8-39 x		2-7/16	39																		4U212-39 x
				4.92	6.69	8.88	5.38	1.07	5.94	2.75	1.38	1-9/16	2.31	0.81	2.88	1.94	1.19	3.32	4.02	7GK	
				125.0	169.9	225.6	136.7	27.2	150.9	69.9	34.9		58.7	20.6	73.2	49.3	30.2	84.2	102.1		
4U7GK8-44 x		2-3/4	44																		4U214-44 x
				5.12	6.69	9.13	5.5	1.07	5.94	2.75	1.38	1-9/16	2.31	0.81	2.88	2.15	1.31	3.53	4.02	7GL	
				130.0	169.9	231.9	139.7	27.2	150.9	69.9	34.9		58.7	20.6	73.2	54.6	33.3	89.5	102.1		
4U7GL8-47 x		2-15/16	47																		4U215-47 x
4U7GL8-75M x	75M																				4U215-75M x
4U7GL8-48 x		3	48																		4U215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

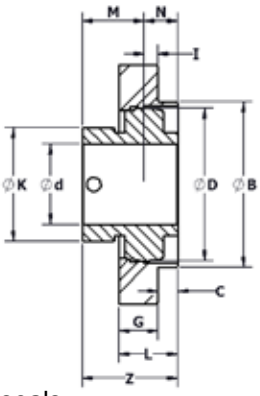
Example: GX = food grade grease with standard seals & flingers

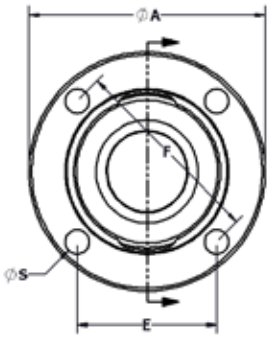
Stainless Ball Solution® Piloted Flange Bearing

CHOICE

Eccentric lock stainless ball bearing Series “4U”
Piloted flange pattern Series “24”
Stainless housing Series “A”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	1.06	0.56	1.78	1.5	24AC	
				52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7		26.9	14.2	45.2	38.1		
4U24AC8-25M x	25M																		4U205-25M x
4U24AC8-16 x		1	16																4U205-16 x
				2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	1.19	0.63	1.90	1.75	24AD	
				62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7		30.2	16.0	48.4	44.5		
4U24AD8-30M x	30M																		4U206-30M x
4U24AD8-19 x		1-3/16	19																4U206-19 x
4U24AD8-20 x		1-1/4	20																4U206-20 x
				2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1.27	0.69	1.98	2.19	24AE	
4U24AE8-20 x		1-1/4	20	72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4		32.3	17.5	50.2	55.6		4U207-20 x
4U24AE8-22 x		1-3/8	22																4U207-22 x
4U24AE8-35M x	35M																		4U207-35M x
4U24AE8-23 x		1-7/16	23																4U207-23 x
				3.150	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	7/16	1.37	0.75	2.12	2.37	24AF	
4U24AF8-24 x		1-1/2	24	80	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		34.8	19.1	53.9	60.2		4U208-24 x
4U24AF8-40M x	40M																		4U208-40Mx
				3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.37	0.75	2.12	2.5	24AG	
				85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		34.8	19.1	53.9	63.5		
4U24AG8-28 x		1-3/4	28																4U209-28 x
				3.346	5.75	4.00	0.44	3.36	4.75	1.00	1.44	0.34	1/2	1.37	0.75	2.12	2.5	24AG-DSC	
				85	146.1	101.6	11.1	85.3	120.7	25.4	36.5	8.7		34.8	19.1	53.9	63.5		
		1-15/16	31																
4U24AG-DSC8-28 x	50M																		4U209-28 x
4U24AG-DSC8-45M x		2	32																4U209-45M x
		2	32	3.543	6.00	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.5	0.75	2.36	2.75	24AH	
				90	152.4	108.0	15.9	92.0	130.2	22.2	38.1	6.0		38.1	19.1	60.0	69.9		
4U24AH8-31 x		2-3/16	35																4U210-31 x
4U24AH8-50M x																			4U210-50M x
4U24AH8-32 x																			4U210-32 x
4U24AI8-32 x				3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.72	0.87	2.53	3	24AI	4U211-32 x
		2-7/16	39	100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8		43.7	22.1	64.3	76.2		
4U24AI8-35 x																			4U211-35 x
				4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.84	1	2.91	3.32	24AJ	
		2-3/4	44	110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7		46.7	25.4	73.8	84.3		
4U24AJ8-39 x																			4U212-39 x
				4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.94	1.19	3.04	4.02	24AK	
				125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7		49.3	30.2	77.3	102.1		
4U24AK8-44 x		2-15/16	47																4U214-44 x
	75M			5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	2.15	1.31	3.40	4.02	24AL	
		3	48	130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1		54.6	33.3	86.3	102.1		
		2-3/4	44																
		2-13/16	45																
4U24AL8-47 x		2-15/16	47																4U215-47 x
4U24AL8-75M x	75																		4U215-75M x
4U24AL8-48 x		3	48																4U215-48 x

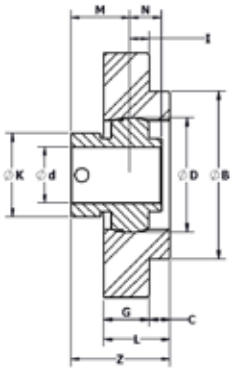
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

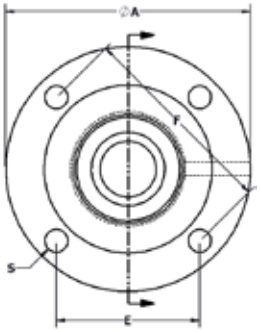
Stainless Ball Solution® Piloted Flange Bearing

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Piloted flange pattern Series "24"
Polymer housing Series "G"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	1.06	0.56	1.78	1.5	24GC	
				52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7		26.9	14.2	45.2	38.1		
4U24GC8-25M x	25M																		4U205-25M x
4U24GC8-16 x		1	16																4U205-16 x
				2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	1.19	0.63	1.90	1.75	24GD	
				62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7		30.2	16.0	48.4	44.5		
4U24GD8-30M x	30M																		4U206-30M x
4U24GD8-19 x		1-3/16	19																4U206-19x
4U24GD8-20 x		1-1/4	20																4U206-20 x
				2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1.27	0.69	1.98	2.19	24GE	
4U24GE8-20 x		1-1/4	20	72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4		32.3	17.5	50.2	55.6		4U207-20 x
4U24GE8-22 x		1-3/8	22																4U207-22 x
4U24GE8-35M x	35M																		4U207-35M x
4U24GE8-23 x		1-7/16	23																4U207-23 x
				3.150	5.25	3.63	0.44	3.09	4.37	0.88	1.31	0.31	7/16	1.37	0.75	2.12	2.37	24GF	
4U24GF8-24 x		1-1/2	24	80	133.4	92.1	11.1	78.6	111.0	22.2	33.4	7.9		34.8	19.1	53.9	60.2		4U208-24 x
4U24GF8-40M x	40M																		4U208-40M x
				3.346	5.75	4.00	0.44	3.36	4.75	0.88	1.31	0.31	1/2	1.37	0.75	2.12	2.5	24GG-DSC	
				85	146.1	101.6	11.1	85.3	120.7	22.2	33.4	7.9		34.8	19.1	53.9	63.5		
4U24GG-DSC8-28 x		1-3/4	28																4U209-28 x
				3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.37	0.75	2.12	2.5	24GG	
				85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		34.8	19.1	53.9	63.5		
		1-15/16	31																
4U24GG8-28 x	50M																		4U209-28 x
4U24GG8-45M x		2	32																4U209-45M x
		2	32	3.543	6.06	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.5	0.75	2.36	2.75	24GH	
				90	153.9	108.0	15.9	92.0	130.2	22.2	38.1	6.0		38.1	19.1	60.0	69.9		
4U24GH8-31 x		2-3/16	35																4U210-31 x
4U24GH8-50M x																			4U210-50M x
4U24GH8-32 x																			4U210-32 x
4U24GI8-32 x				3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.72	0.87	2.53	3	24GI	4U211-32 x
		2-7/16	39	100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8		43.7	22.1	64.3	76.2		
4U24GI8-35 x																			4U211-35 x
				4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.84	1	2.91	3.32	24GJ	
		2-3/4	44	110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7		46.7	25.4	73.8	84.3		
4U24GJ8-39 x																			4U212-39 x
				4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.94	1.19	3.04	4.02	24GK	
				125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7		49.3	30.2	77.3	102.1		
4U24GK8-44 x		2-15/16	47																4U214-44 x
	75M			5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	2.15	1.31	3.40	4.02	24GL	
		3	48	130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1		54.6	33.3	86.3	102.1		
		2-3/4	44																
		2-13/16	45																
4U24GL8-47 x		2-15/16	47																4U215-47 x
4U24GL8-75M x	75																		4U215-75M x
4U24GL8-48 x		3	48																4U215-48 x

X indicates a 2-letter designation for lube & seals

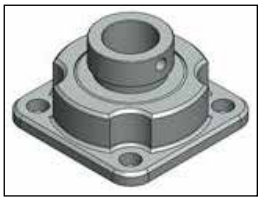
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

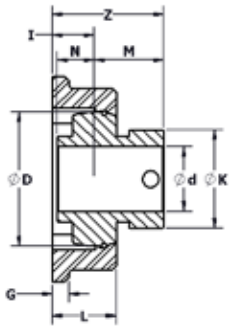
Stainless Ball Solution® Four-Bolt Flange

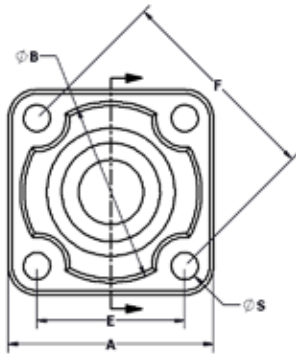
CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

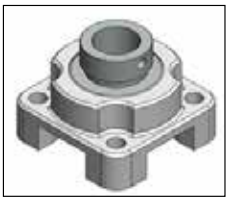
"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		SETSCREW
				2.047	3.13	2.76	2.25	3.18	0.25	0.97	0.64	3/8"	1.06	0.56	1.70	1.5	4AC-01	
				52	79.5	70.1	57.2	80.8	6.4	24.6	16.3		26.9	14.2	43.2	38.1		
4U4AC-018-25M x	25M																	4U205-25M x
4U4AC-018-16 x		1	16															4U205-16x

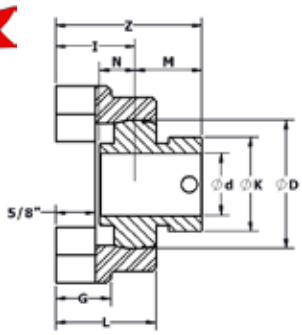
Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

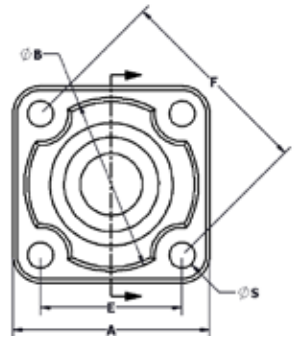
CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				2.047	3.13	2.76	2.25	3.18	0.88	1.60	1.27	3/8"	1.06	0.56	2.33	1.5	4AC-01-QK	
				52	79.5	70.1	57.2	80.8	22.2	40.5	32.1		26.9	14.2	59.1	38.1		
4U4AC-01-QK8-25M x	25M																	4U205-25M x
4U4AC-01-QK8-16 x		1	16															4U205-16 x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

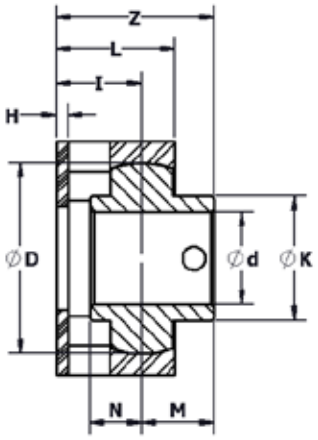
Stainless Ball Solution® Breader Bearing

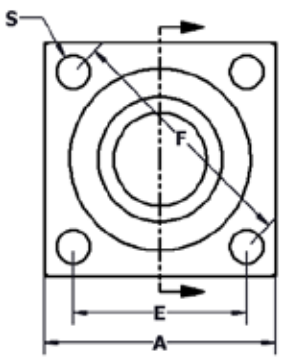
CLASSIC

Stainless QuiKlean® housing
Assembly includes PA backing plate and stainless ball bearing, either:
- **Food grade solid lubricant (prefix ZJ)**
- **Food grade grease (prefix ZY)**
- **H1 graphite lubricant (prefix ZW)**

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals





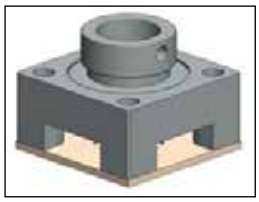
Stainless Housing

MOUNTED BEARING PART NUMBER	d		Sphere OD size							Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Standoff	Housing PN	Ball bearing PN
	in	16th	D	A	E	F	H	L	I	S	M	N	Z	K			SETSCREW
ZJZA100-QK8-3/4	3/4	12	2.047	2.5	1.875	2.65	0.13	1.28	0.93	5/16	0.78	0.56	1.71	1.34	0.50 / 12.7	ZA100-QK	4Y205-12FX
ZJZA100-QK8-1	1	16	52	63.5	47.6	67.3	3.2	32.5	23.6		19.8	14.2	43.4	34.0			4Y205-16FX
ZWZA100-QK8-1	1	16															4Y205-16WX
ZYZA100-QK8-1	1	16															4Y205-16GX

Stainless Ball Solution® Breader Bearing

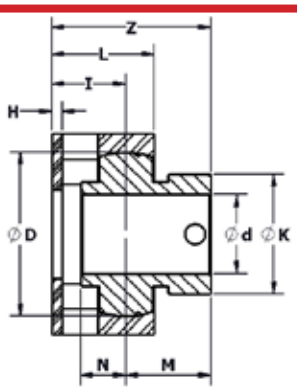
CHOICE

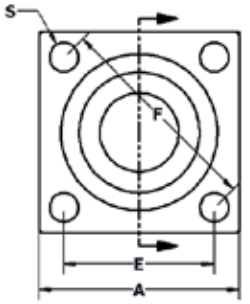
Stainless QuiKlean® housing
Assembly includes PA backing plate and stainless ball bearing with food grade solid lubricant (prefix ZJ)



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals





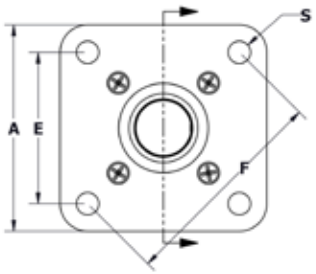
Stainless Housing

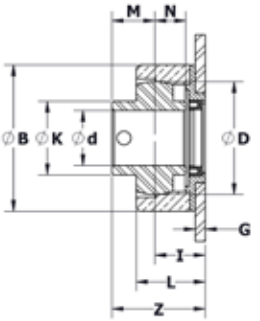
MOUNTED BEARING PART NUMBER	d			Sphere OD size							Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	E	F	H	L	I	S	M	N	Z	K		WIDE ECC
ZEJZA100-QK8-1		1	16	2.047	2.5	1.875	2.65	0.13	1.28	0.93	5/16	1.06	0.56	1.99	1.5	ZA100-QK	4U205-1FX
				52	63.5	47.6	67.3	3.2	32.5	23.6		26.9	14.2	50.5	38.1		

Stainless Ball Solution® Breader Auger

CLASSIC

For vertical shaft on JBT Breader
Stainless four bolt flange with exclusionary seal and solid lubricant, stainless ball bearing





Stainless Housing

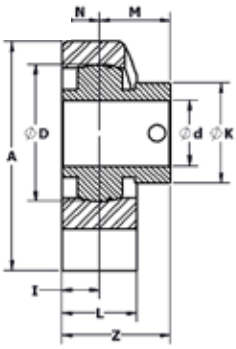
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

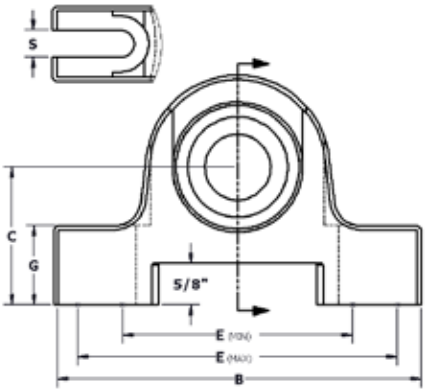
MOUNTED BEARING PART NUMBER	d		Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Seal	Housing PN	Ball bearing PN
	in	16th	D	A	B	E	F	G	I	L	S	M	N	Z	K			SETSCREW
ZJZA400-ON8-1	1	16	2.047 52	3.75 95.3	2.66 67.6	2.75 69.9	3.89 98.8	0.18 4.6	0.91 23.12	1.25 31.8	3/8	0.78 19.8	0.56 14.2	1.69 42.3	1.34 34.0	EDT-Glove® C	ZA100-QK	4Y205-16FX

Stainless Ball Solution® Pillow Block (QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Standard backing height Series "1"
Stainless housing Series "A"
5/8" stand-off above base "QK"

CHOICE





Stainless Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

QK only available on standard height

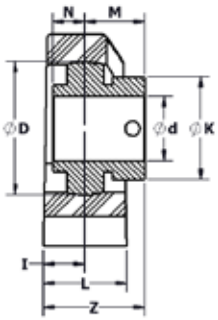
MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K		WIDE ECC
				2.047	3.438	5.5	2.063	3.44	4.63	1.188	1.13	0.56	3/8	1.06	0.56	1.62	1.5	1AC-QK	
				52	87.3	139.7	52.4	87.4	117.6	30.2	28.7	14.2		26.9	14.2	41.1	38.1		
4U1AC-QK8-25M x	25M																		4U205-25M x
4U1AC-QK8-16 x		1	16																4U205-16 x

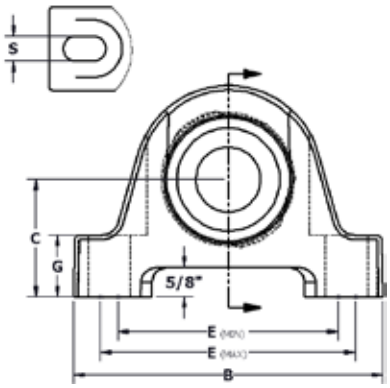
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution®
Pillow Block
(QuiKlean®) with 5/8” Stand-off

CHOICE





Polymer Housing

Eccentric lock stainless ball bearing Series “4U”
Standard backing height Series “1”
Polymer housing Series “G”
5/8" stand-off above base “QK”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals

QK only available on standard height

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Sph. septh	Bolt size	Brg c/l to front	Brg c/l to back		Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L		I	S	M	N	Z	Z	K		WIDE ECC
				1.575	2.88	5	1.69	2.94	4.06	1.06	1.25		0.63	3/8	0.91	0.39	1.54	1.13	0.97	1AA-QK	
4U1GA-QK8-08 x		1/2	8	40	73.2	127.0	42.9	74.7	103.1	26.9	31.8		15.9		23.1	9.9	39.0	28.7	24.6		4U203-08 x
4U1GA-QK8-10 x		5/8	10																		4U203-10 x
				1.850	3.31	5.27	1.94	3.25	4.38	1.13	1.4		0.69	3/8	1.05	0.5	1.74	1.31	1.14	1AB-QK	
4U1GB-QK8-08 x		1/2	8	47	84.1	133.9	49.3	82.6	111.3	28.6	35.6		17.5		26.7	12.7	44.2	33.3	29.0		4U204-08 x
4U1GB-QK8-10 x		5/8	10																		4U204-10 x
4U1GB-QK8-12 x		3/4	12																		4U204-12 x
4U1GB-QK8-20M x	20M																				4U204-20M x
				2.047	3.56	5.5	2.06	3.44	4.63	1.19	1.52		0.75	3/8	1.06	0.56	1.81	1.5	1.34	1AC-QK	
				52	90.4	139.7	52.3	87.4	117.6	30.2	38.6		19.1		26.9	14.2	46.0	38.1	34.0		
4U1GC-QK8-25M x	25M																				4U205-25M x
4U1GC-QK8-16 x		1	16																		4U205-16 x
				2.441	4	6.25	2.31	4.13	5.13	1.31	1.75		0.88	1/2	1.19	0.63	2.07	1.75	1.59	1AD-QK	
				62	101.6	158.8	58.7	104.9	130.3	33.3	44.5		22.2		30.2	16.0	52.5	44.5	40.4		
4U1GD-QK8-30M x	30M																				4U206-30M x
4U1GD-QK8-19 x		1-3/16	19																		4U206-19 x
4U1GD-QK8-20 x		1-1/4	20																		4U206-20 x
				2.835	4.5	6.56	2.5	4.69	5.44	1.31	1.75		0.88	1/2	1.27	0.69	2.15	2.19	1.84	1AE-QK	
4U1GE-QK8-20 x		1-1/4	20	72	114.3	166.6	63.5	119.1	138.2	33.3	44.5		22.2		32.3	17.5	54.5	55.6	46.7		4U207-20 x
4U1GE-QK8-22 x		1-3/8	22																		4U207-22 x
4U1GE-QK8-35M x	35M																				4U207-35M x
4U1GE-QK8-23 x		1-7/16	23																		4U207-23 x
				3.150	4.94	7.25	2.75	5	6.13	1.38	1.94		0.97	1/2	1.37	0.75	2.34	2.37	2.08	1AF-QK	
4U1GF-QK8-24 x		1-1/2	24	80	125.5	184.2	69.9	127.0	155.7	34.9	49.3		24.6		34.8	19.1	59.4	60.2	52.8		4U208-24 x
4U1GF-QK8-40M x	40M																				4U208-40M x

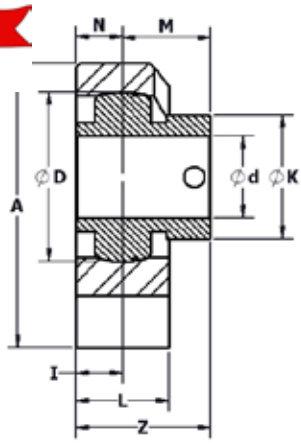
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

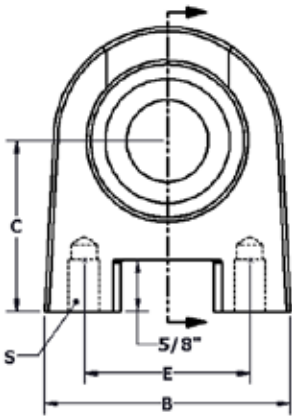
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Tapped base housing Series "9"
Stainless housing Series "A"
5/8" stand-off above base "QK"

CHOICE





Stainless Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

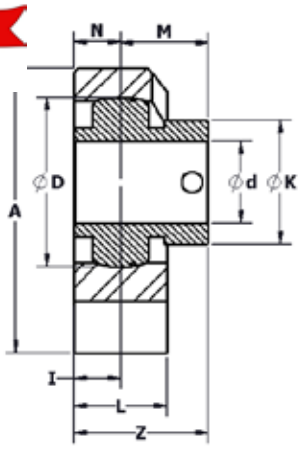
MOUNTED BEARING PART NUMBER	d			sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.03	2.88	1.94	2	1.13	0.56	3/8-16	0.91	0.39	1.47	1.13	9AA-QK	
4U9AA-QK8-08 x		1/2	8	40	77.0	73.2	49.3	50.8	28.7	14.2		23.1	9.9	37.3	28.7		4U203-08 x
4U9AA-QK8-10 x		5/8	10														4U203-10 x
				1.850	3.16	2.88	1.94	2	1.13	0.56	3/8-16	1.05	0.5	1.61	1.31	9AB-QK	
4U9AB-QK8-08 x		1/2	8	47	80.3	73.2	49.3	50.8	28.7	14.2		26.7	12.7	40.9	33.3		4U204-08 x
4U9AB-QK8-10 x		5/8	10														4U204-10 x
4U9AB-QK8-12 x		3/4	12														4U204-12 x
4U9AB-QK8-20M x	20M																4U204-20M x
				2.047	3.44	3	2.06	2	1.13	0.56	3/8-16	1.06	0.56	1.62	1.5	9AC-QK	
				52	87.4	76.2	52.3	50.8	28.7	14.2		26.9	14.2	41.1	38.1		
4U9AC-QK8-25M x	25M																4U205-25M x
4U9AC-QK8-16 x		1	16														4U205-16 x
				2.441	3.88	4	2.31	3	1.47	0.74	7/16-14	1.19	0.63	1.93	1.75	9AD-QK	
				62	98.6	101.6	58.7	76.2	37.3	18.8		30.2	16.0	49.0	44.5		
4U9AD-QK8-30M x	30M																4U206-30M x
4U9AD-QK8-19 x		1-3/16	19														4U206-19 x
4U9AD-QK8-20 x		1-1/4	20														4U206-20 x
				2.835	4.31	4.25	2.5	3.25	1.47	0.74	1/2-13	1.27	0.69	2.01	2.19	9AE-QK	
4U9AE-QK8-20 x		1-1/4	20	72	109.5	108.0	63.5	82.6	37.3	18.8		32.3	17.5	51.1	55.6		4U207-20 x
4U9AE-QK8-22 x		1-3/8	22														4U207-22 x
4U9AE-QK8-35M x	35M																4U207-35M x
4U9AE-QK8-23 x		1-7/16	23														4U207-23 x
				3.150	4.56	4.63	2.56	3.5	1.63	0.81	1/2-13	1.37	0.75	2.18	2.37	9AF-QK	
4U9AF-QK8-24 x		1-1/2	24	80	115.8	117.6	65.0	88.9	41.4	20.6		34.8	19.1	55.4	60.2		4U208-24 x
4U9AF-QK8-40M x	40M																4U208-40M x

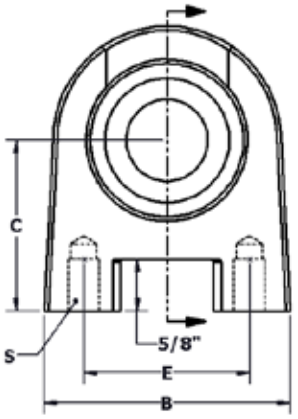
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

CHOICE





Polymer Housing

Eccentric lock stainless ball bearing Series "4U"
Tapped base housing Series "9"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.08	2.94	1.94	2	1.12	0.56	3/8-16	0.91	0.39	1.47	1.13	9GA-QK	
4U9GA-QK8-08 x		1/2	8	40	78.2	74.7	49.3	50.8	28.4	14.2		23.1	9.9	37.3	28.7		4U203-08 x
4U9GA-QK8-10 x		5/8	10														4U203-10 x
				1.850	3.2	3.07	1.94	2	1.13	0.56	3/8-16	1.05	0.5	1.61	1.31	9GB-QK	
4U9GB-QK8-08 x		1/2	8	47	81.3	78.0	49.3	50.8	28.7	14.2		26.7	12.7	40.9	33.3		4U204-08 x
4U9GB-QK8-10 x		5/8	10														4U204-10 x
4U9GB-QK8-12 x		3/4	12														4U204-12 x
4U9GB-QK8-20M x	20M																4U204-20M x
				2.047	3.44	3.11	2.06	2	1.16	0.57	3/8-16	1.06	0.56	1.63	1.5	9GC-QK	
				52	87.4	79.0	52.3	50.8	29.5	14.5		26.9	14.2	41.4	38.1		
4U9GC-QK8-25M x	25M																4U205-25M x
4U9GC-QK8-16 x		1	16														4U205-16 x
				2.441	4	4.25	2.31	3	1.63	0.81	7/16-14	1.19	0.63	2.00	1.75	9GD-QK	
				62	101.6	108.0	58.7	76.2	41.4	20.6		30.2	16.0	50.8	44.5		
4U9GD-QK8-30M x	30M																4U206-30M x
4U9GD-QK8-19 x		1-3/16	19														4U206-19 x
4U9GD-QK8-20 x		1-1/4	20														4U206-20 x
				2.835	4.5	4.66	2.5	3.25	1.75	0.88	1/2-13	1.27	0.69	2.15	2.19	9GE-QK	
4U9GE-QK8-20 x		1-1/4	20	72	114.3	118.4	63.5	82.6	44.5	22.4		32.3	17.5	54.6	55.6		4U207-20 x
4U9GE-QK8-22 x		1-3/8	22														4U207-22 x
4U9GE-QK8-35M x	35M																4U207-35M x
4U9GE-QK8-23 x		1-7/16	23														4U207-23 x
				3.150	4.75	4.75	2.56	3.5	1.88	0.94	1/2-13	1.37	0.75	2.31	2.37	9GF-QK	
4U9GF-QK8-24 x		1-1/2	24	80	120.7	120.7	65.0	88.9	47.8	23.9		34.8	19.1	58.7	60.2		4U208-24 x
4U9GF-QK8-40M x	40M																4U208-40M x

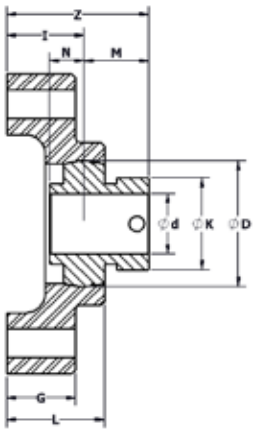
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

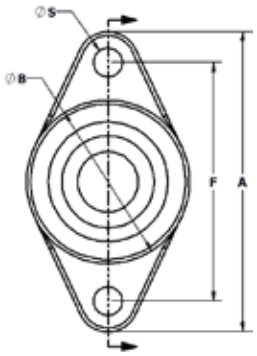
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard two-bolt pattern Series "2"
Stainless housing Series "A"
5/8" stand-off above base "QK"





Stainless Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

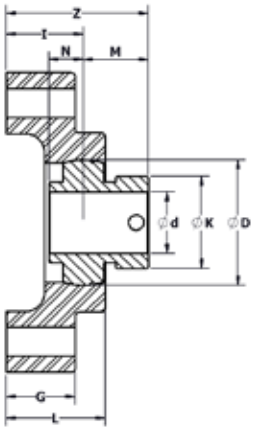
MOUNTED BEARING PART NUMBER			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	G	L	I	S	M	N	Z	K	WIDE ECC
				1.575	3.88	2.15	3	1.06	1.47	1.15	3/8"	0.91	0.39	2.06	1.13	2AA-QK	
4U2AA-QK8-08 x		1/2	8	40	98.6	54.6	76.2	27.0	37.3	29.2		23.1	9.9	52.3	28.7		4U203-08 x
4U2AA-QK8-10 x		5/8	10														4U203-10 x
				1.850	4.41	2.42	3.53	1.06	1.58	1.22	3/8"	1.05	0.5	2.27	1.31	2AB-QK	
4U2AB-QK8-08 x		1/2	8	47	112.0	61.5	89.7	27.0	40.1	31.0		26.7	12.7	57.7	33.3		4U204-08 x
4U2AB-QK8-10 x		5/8	10														4U204-10 x
4U2AB-QK8-12 x		3/4	12														4U204-12 x
4U2AB-QK8-20M x	20M																4U204-20M x
				2.047	4.89	2.66	3.89	1.13	1.6	1.16	7/16"	1.06	0.56	2.22	1.5	2AC-QK	
				52	124.2	67.6	98.8	28.6	40.6	29.5		26.9	14.2	56.4	38.1		
4U2AC-QK8-25M x	25M																4U205-25M x
4U2AC-QK8-16 x		1	16														4U205-16 x
				2.441	5.69	3.12	4.6	1.13	1.69	1.28	7/16"	1.19	0.63	2.47	1.75	2AD-QK	
				62	144.5	79.2	116.8	28.6	42.9	32.5		30.2	16.0	62.7	44.5		
4U2AD-QK8-30M x	30M																4U206-30M x
4U2AD-QK8-19 x		1-3/16	19														4U206-19 x
4U2AD-QK8-20 x		1-1/4	20														4U206-20 x
				2.835	6.25	3.62	5.12	1.19	1.85	1.42	1/2"	1.27	0.69	2.69	2.19	2AE-QK	
4U2AE-QK8-20 x		1-1/4	20	72	158.8	91.9	130.0	30.2	47.0	36.1		32.3	17.5	68.3	55.6		4U207-20 x
4U2AE-QK8-22 x		1-3/8	22														4U207-22 x
4U2AE-QK8-35M x	35M																4U207-35M x
4U2AE-QK8-23 x		1-7/16	23														4U207-23 x
				3.150	6.78	4	5.66	1.19	1.87	1.39	1/2"	1.37	0.75	2.76	2.37	2AF-QK	
4U2AF-QK8-24 x		1-1/2	24	80	172.2	101.6	143.8	30.2	47.5	35.3		34.8	19.1	70.1	60.2		4U208-24 x
4U2AF-QK8-40M x	40M																4U208-40M x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE



Polymer Housing

Eccentric lock stainless ball bearing Series "4U"
Standard two-bolt pattern Series "2"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.88	2.15	3	1.06	1.47	1.15	3/8"	0.91	0.39	2.06	1.13	2GA-QK	
4U2GA-QK8-08 x		1/2	8	40	98.6	54.6	76.2	26.9	37.3	29.2		23.1	9.9	52.3	28.7		4U203-08 x
4U2GA-QK8-10 x		5/8	10														4U203-10 x
				1.850	4.41	2.69	3.53	1.06	1.58	1.22	3/8"	1.05	0.5	2.27	1.31	2GB-QK	
4U2GB-QK8-08 x		1/2	8	47	112.0	68.3	89.7	26.9	40.1	31.0		26.7	12.7	57.7	33.3		4U204-08 x
4U2GB-QK8-10 x		5/8	10														4U204-10 x
4U2GB-QK8-12 x		3/4	12														4U204-12 x
4U2GB-QK8-20M x	20M																4U204-20M x
				2.047	4.89	2.93	3.89	1.13	1.62	1.26	7/16"	1.06	0.56	2.32	1.5	2GC-QK	
				52	124.2	74.4	98.8	28.6	41.0	32.0		26.9	14.2	58.9	38.1		
4U2GC-QK8-25M x	25M																4U205-25M x
4U2GC-QK8-16 x		1	16														4U205-16 x
				2.441	5.59	3.625	4.59	1.13	1.69	1.28	7/16"	1.19	0.63	2.47	1.75	2GD-QK	
				62	142.0	92.1	116.6	28.6	42.9	32.5		30.2	16.0	62.7	44.5		
4U2GD-QK8-30M x	30M																4U206-30M x
4U2GD-QK8-19 x		1-3/16	19														4U206-19 x
4U2GD-QK8-20 x		1-1/4	20														4U206-20 x
				2.835	6.25	4	5.12	1.19	1.85	1.42	1/2"	1.27	0.69	2.69	2.19	2GE-QK	
4U2GE-QK8-20 x		1-1/4	20	72	158.8	101.6	130.0	30.2	47.0	36.1		32.3	17.5	68.3	55.6		4U207-20 x
4U2GE-QK8-22 x		1-3/8	22														4U207-22 x
4U2GE-QK8-35M x	35M																4U207-35M x
4U2GE-QK8-23 x		1-7/16	23														4U207-23 x
				3.150	6.78	4.56	5.66	1.19	1.87	1.39	1/2"	1.37	0.75	2.76	2.37	2GF-QK	
4U2GF-QK8-24 x		1-1/2	24	80	172.2	115.8	143.8	30.2	47.5	35.3		34.8	19.1	70.1	60.2		4U208-24 x
4U2GF-QK8-40M x	40M																4U208-40M x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

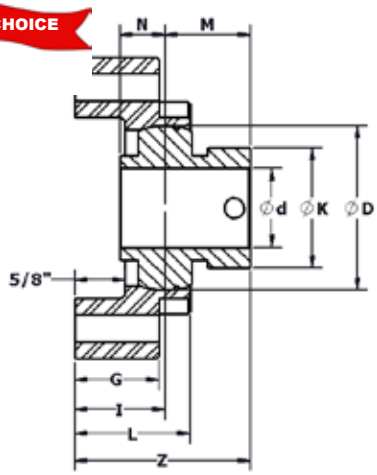
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution®
Small Two-Bolt Flange
(QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Small two-bolt pattern Series "6"
Stainless housing Series "A"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

CHOICE



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

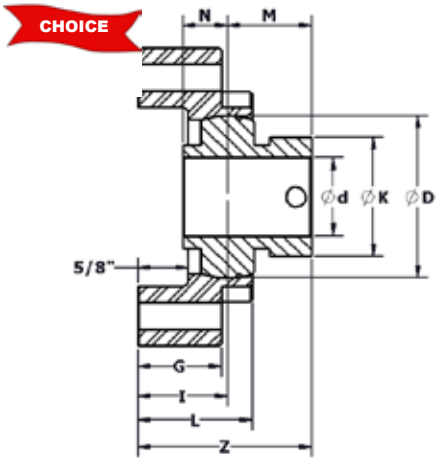
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		WIDE ECC
				2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1.27	0.69	2.46	2.19	6AE-QK	
4U6AE-QK8-20 x		1-1/4	20	72	125.5	88.9	100.1	28.7	40.1	30.2		32.3	17.5	62.5	55.6		4U207-20 x
4U6AE-QK8-22 x		1-3/8	22														4U207-22 x
4U6AE-QK8-35M x	35M																4U207-35M x
4U6AE-QK8-23 x		1-7/16	23														4U207-23 x

Stainless Ball Solution®
Small Two-Bolt Flange
(QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Small two-bolt pattern Series "6"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

CHOICE



Polymer Housing

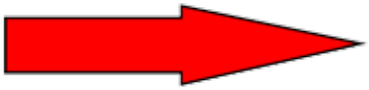
"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		WIDE ECC
				2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1.27	0.69	2.46	2.19	6GE-QK	
4U6GE-QK8-20 x		1-1/4	20	72	125.5	88.9	100.1	28.7	40.1	30.2		32.3	17.5	62.5	55.6		4U207-20 x
4U6GE-QK8-22 x		1-3/8	22														4U207-22 x
4U6GE-QK8-35M x	35M																4U207-35M x
4U6GE-QK8-23 x		1-7/16	23														4U207-23 x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

ECCENTRIC BALL BEARINGS CONTINUE ON PAGE 44

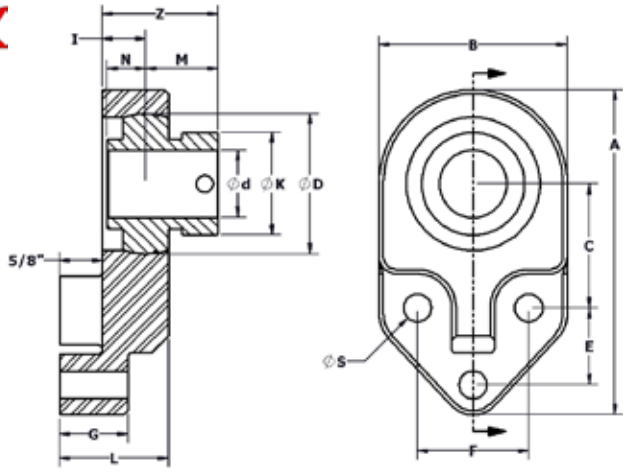


Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE

Eccentric lock stainless ball bearing Series "4U"
Standard three-bolt pattern Series "3"
Stainless housing Series "A"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85



Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

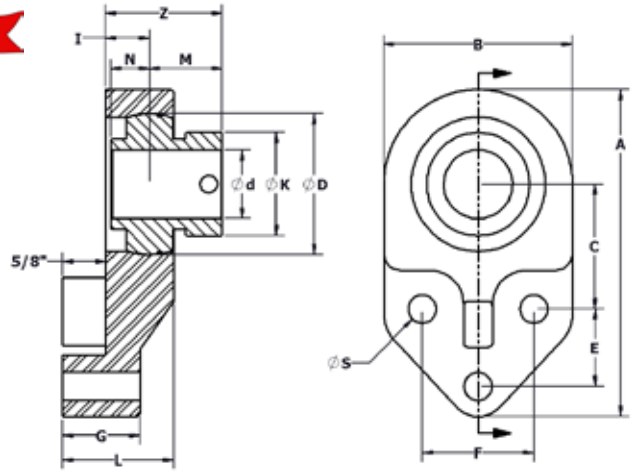
MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				2.835	6	3.63	2.38	1.25	2	1.125	1.85	0.79	1/2"	1.27	0.69	2.06	2.19	3AE-QK	
4U3AE-QK8-20 x		1-1/4	20	72	152.4	92.2	60.5	31.8	50.8	28.6	46.9	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U3AE-QK8-22 x		1-3/8	22																4U207-22 x
4U3AE-QK8-35M x	35M																		4U207-35M x
4U3AE-QK8-23 x		1-7/16	23																4U207-23 x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CHOICE



Eccentric lock stainless ball bearing Series "4U"
Standard three-bolt pattern Series "3"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3.66	2.19	1.38	0.81	1.25	1.06	1.47	0.53	5/16"	0.91	0.39	1.44	1.13	3GA-QK	
4U3GA-QK8-08 x		1/2	8	40	93.0	55.6	35.1	20.6	31.8	26.9	37.3	13.5		23.1	9.9	36.6	28.7		4U203-08 x
4U3GA-QK8-10 x		5/8	10																4U203-10 x
				1.850	4.34	2.56	1.69	0.88	1.5	1.06	1.58	0.59	3/8"	1.05	0.5	1.64	1.31	3GB-QK	
4U3GB-QK8-08 x		1/2	8	47	110.2	65.0	42.9	22.4	38.1	26.9	40.1	15.0		26.7	12.7	41.7	33.3		4U204-08 x
4U3GB-QK8-10 x		5/8	10																4U204-10 x
4U3GB-QK8-12 x		3/4	12																4U204-12 x
4U3GB-QK8-20M x	20M																		4U204-20M x
				2.047	4.75	2.75	1.81	1.13	1.63	1.13	1.615	0.64	3/8"	1.06	0.56	1.70	1.5	3GC-QK	
				52	120.7	69.9	46.0	28.6	41.4	28.6	41.0	16.1		26.9	14.2	43.1	38.1		
4U3GC-QK8-25M x	25M																		4U205-25M x
4U3GC-QK8-16 x		1	16																4U205-16 x
				2.441	5.44	3.25	2.06	1.25	1.88	1.125	1.69	0.66	3/8"	1.19	0.63	1.85	1.75	3GD-QK	
				62	138.2	82.6	52.3	31.8	47.8	28.6	42.9	16.8		30.2	16.0	47.0	44.5		
4U3GD-QK8-30M x	30M																		4U206-30M x
4U3GD-QK8-19 x		1-3/16	19																4U206-19 x
4U3GD-QK8-20 x		1-1/4	20																4U206-20 x
				2.835	6.19	3.81	2.38	1.25	2	1.19	1.85	0.79	1/2"	1.27	0.69	2.06	2.19	3GE-QK	
4U3GE-QK8-20 x		1-1/4	20	72	157.2	96.8	60.5	31.8	50.8	30.2	47.0	20.1		32.3	17.5	52.3	55.6		4U207-20 x
4U3GE-QK8-22 x		1-3/8	22																4U207-22 x
4U3GE-QK8-35M x	35M																		4U207-35M x
4U3GE-QK8-23 x		1-7/16	23																4U207-23 x
				3.150	6.72	4.25	2.56	1.38	2.25	1.19	1.86	0.77	1/2"	1.37	0.75	2.14	2.37	3GF-QK	
4U3GF-QK8-24 x		1-1/2	24	80	170.7	108.0	65.0	35.1	57.2	30.2	47.2	19.6		34.8	19.1	54.4	60.2		4U208-24 x
4U3GF-QK8-40M x	40M																		4U208-40Mx

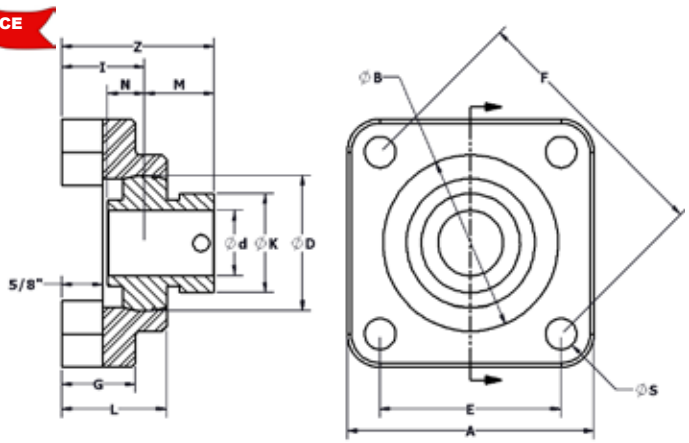
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

Eccentric lock stainless ball bearing Series "4U"
Standard four-bolt pattern Series "4"
Stainless housing Series "A"
5/8" stand-off above base "QK"

CHOICE



Stainless Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.850	3.37	2.42	2.5	3.54	1.06	1.58	1.22	3/8"	1.05	0.5	2.27	1.31	4AB-QK	
4U4AB-QK8-08 x		1/2	8	47	85.6	61.5	63.5	89.9	26.9	40.1	31.0		26.7	12.7	57.7	33.3		4U204-08 x
4U4AB-QK8-10 x		5/8	10															4U204-10 x
4U4AB-QK8-12 x		3/4	12															4U204-12 x
4U4AB-QK8-20M x	20M																	4U204-20M x
				2.047	3.75	2.66	2.75	3.89	1.13	1.6	1.26	7/16"	1.06	0.56	2.32	1.5	4AC-QK	
				52	95.3	67.6	69.9	98.8	28.7	40.6	32.0		26.9	14.2	58.9	38.1		
4U4AC-QK8-25M x	25M																	4U205-25M x
4U4AC-QK8-16 x		1	16															4U205-16 x
				2.441	4.25	3.12	3.25	4.59	1.13	1.69	1.28	7/16"	1.19	0.63	2.47	1.75	4AD-QK	
				62	108.0	79.2	82.6	116.6	28.7	42.9	32.5		30.2	16.0	62.7	44.5		
4U4AD-QK8-30M x	30M																	4U206-30M x
4U4AD-QK8-19 x		1-3/16	19															4U206-19 x
4U4AD-QK8-20 x		1-1/4	20															4U206-20 x
				2.835	4.75	3.62	3.62	5.13	1.19	1.85	1.42	1/2"	1.27	0.69	2.69	2.19	4AE-QK	
4U4AE-QK8-20 x		1-1/4	20	72	120.7	91.9	91.9	130.3	30.2	47.0	36.1		32.3	17.5	68.3	55.6		4U207-20 x
4U4AE-QK8-22 x		1-3/8	22															4U207-22 x
4U4AE-QK8-35M x	35M																	4U207-35M x
4U4AE-QK8-23 x		1-7/16	23															4U207-23 x
				3.150	5.12	4	4	5.66	1.19	1.87	1.39	1/2"	1.37	0.75	2.76	2.37	4AF-QK	
4U4AF-QK8-24 x		1-1/2	24	80	130.0	101.6	101.6	143.8	30.2	47.5	35.3		34.8	19.1	70.1	60.2		4U208-24 x
4U4AF-QK8-40M x	40M																	4U208-40M x

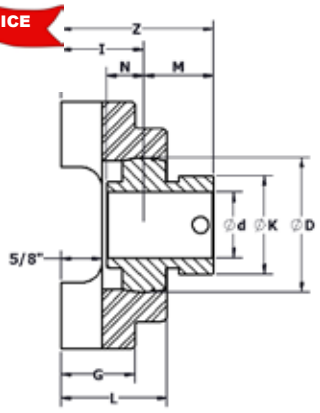
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

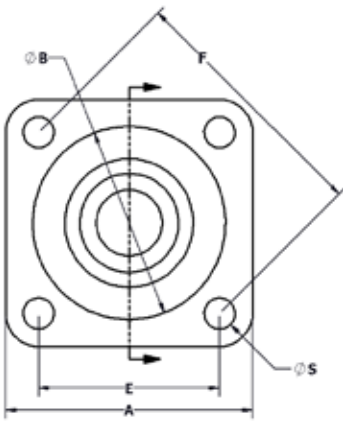
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution®
Four-Bolt Flange
(QuiKlean®) with 5/8” Stand-off

Eccentric lock stainless ball bearing Series “4U”
Standard four-bolt pattern Series “4”
Polymer housing Series “G”
5/8" stand-off above base “QK”

CHOICE





Polymer Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		WIDE ECC
				1.575	3	2.15	2.13	3.01	1.06	1.47	1.15	3/8"	0.91	0.39	2.06	1.13	4GA-QK	
4U4GA-QK8-08 x		1/2	8	40	76.2	54.6	54.1	76.5	26.9	37.3	29.2		23.1	9.9	52.3	28.7		4U203-08 x
4U4GA-QK8-10 x		5/8	10															4U203-10 x
				1.850	3.38	2.69	2.5	3.54	1.06	1.57	1.22	3/8"	1.05	0.5	2.27	1.31	4GB-QK	
4U4GB-QK8-08 x		1/2	8	47	85.9	68.3	63.5	89.9	26.9	39.9	31.0		26.7	12.7	57.7	33.3		4U204-08 x
4U4GB-QK8-10 x		5/8	10															4U204-10 x
4U4GB-QK8-12 x		3/4	12															4U204-12 x
4U4GB-QK8-20M x	20M																	4U204-20M x
				2.047	3.75	2.93	2.75	3.89	1.13	1.62	1.26	7/16"	1.06	0.56	2.32	1.5	4GC-QK	
				52	95.3	74.4	69.9	98.8	28.6	41.1	32.0		26.9	14.2	58.9	38.1		
4U4GC-QK8-25M x	25M																	4U205-25M x
4U4GC-QK8-16 x		1	16															4U205-16 x
				2.441	4.25	3.63	3.25	4.6	1.13	1.69	1.28	7/16"	1.19	0.63	2.47	1.75	4GD-QK	
				62	108.0	92.2	82.6	116.8	28.6	42.9	32.5		30.2	16.0	62.7	44.5		
4U4GD-QK8-30M x	30M																	4U206-30M x
4U4GD-QK8-19 x		1-3/16	19															4U206-19 x
4U4GD-QK8-20 x		1-1/4	20															4U206-20 x
				2.835	4.75	4	3.63	5.13	1.19	1.85	1.42	1/2"	1.27	0.69	2.69	2.19	4GE-QK	
4U4GE-QK8-20 x		1-1/4	20	72	120.7	101.6	92.2	130.3	30.2	47.0	36.1		32.3	17.5	68.3	55.6		4U207-20 x
4U4GE-QK8-22 x		1-3/8	22															4U207-22 x
4U4GE-QK8-35M x	35M																	4U207-35M x
4U4GE-QK8-23 x		1-7/16	23															4U207-23 x
				3.150	5.13	4.56	4	5.66	1.19	1.87	1.39	1/2"	1.37	0.75	2.76	2.37	4GF-QK	
4U4GF-QK8-24 x		1-1/2	24	80	130.3	115.8	101.6	143.8	30.2	47.5	35.3		34.8	19.1	70.1	60.2		4U208-24 x
4U4GF-QK8-40M x	40M																	4U208-40M x
		1-5/8	26															

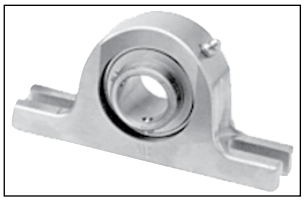
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

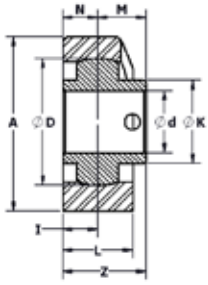
Stainless Ball Solution® Pillow Block

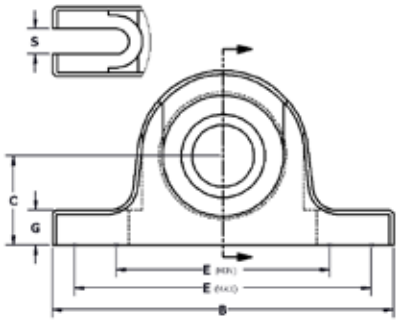
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard backing height Series "1"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K	PN	SETSCREW
4Y1AA8-12M x	12			1.575	2.13	5	1.06	2.94	4.06	0.44	1.13	0.56	3/8	0.61	0.41	1.17	0.97	1AA	4Y203-12M x
4Y1AA8-08 x		1/2	8	40	54.1	127.0	26.9	74.7	103.1	11.2	28.7	14.2		15.5	10.4	29.7	24.6		4Y203-08 x
4Y1AA8-09 x		9/16	9																4Y203-09 x
4Y1AA8-15M x	15																		4Y203-15M x
4Y1AA8-10 x		5/8	10																4Y203-10 x
4Y1AA8-17M x	17																		4Y203-17M x
4Y1AB8-12M x	12			1.850	2.56	5.25	1.31	3.25	4.38	0.5	1.13	0.56	3/8	0.72	0.5	1.28	1.14	1AB	4Y204-12M x
4Y1AB8-08 x		1/2	8	47	65.0	133.4	33.3	82.6	111.3	12.7	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y1AB8-15M x	15																		4Y204-15M x
4Y1AB8-10 x		5/8	10																4Y204-10 x
4Y1AB8-17M x	17																		4Y204-17M x
4Y1AB8-11 x		11/16	11																4Y204-11 x
4Y1AB8-12 x		3/4	12																4Y204-12 x
4Y1AB8-20M x	20																		4Y204-20M x
4Y1AC8-12 x		3/4	12	2.047	2.81	5.5	1.44	3.44	4.63	0.56	1.13	0.56	3/8	0.78	0.56	1.34	1.34	1AC	4Y205-12 x
4Y1AC8-14 x		7/8	14	52	71.4	139.7	36.6	87.4	117.6	14.2	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x
4Y1AC8-15 x		15/16	15																4Y205-15 x
4Y1AC8-25M x	25																		4Y205-25M x
4Y1AC8-16 x		1	16																4Y205-16 x
4Y1AD8-16 x		1	16	2.441	3.25	6.25	1.69	4.13	5.13	0.69	1.47	0.73	1/2	0.87	0.63	1.60	1.59	1AD	4Y206-16 x
4Y1AD8-17 x		1-1/16	17	62	82.6	158.8	42.9	104.9	130.3	17.5	37.3	18.5		22.1	16.0	40.6	40.4		4Y206-17 x
4Y1AD8-18 x		1-1/8	18																4Y206-18 x
4Y1AD8-30M x	30																		4Y206-30M x
4Y1AD8-19 x		1-3/16	19																4Y206-19 x
4Y1AD8-20 x		1-1/4	20																4Y206-20 x
4Y1AE8-19 x		1-3/16	19	2.835	3.75	6.56	1.88	4.69	5.44	0.69	1.47	0.73	1/2	1	0.69	1.73	1.84	1AE	4Y207-19 x
4Y1AE8-20 x		1-1/4	20	72	95.3	166.6	47.8	119.1	138.2	17.5	37.3	18.5		25.4	17.5	43.9	46.7		4Y207-20 x
4Y1AE8-21 x		1-5/16	21																4Y207-21 x
4Y1AE8-22 x		1-3/8	22																4Y207-22 x
4Y1AE8-35M x	35																		4Y207-35M x
4Y1AE8-23 x		1-7/16	23																4Y207-23 x
4Y1AF8-23 x		1-7/16	23	3.150	4.19	7.25	2.13	5	6.13	0.75	1.63	0.81	1/2	1.19	0.75	2.00	2.08	1AF	4Y208-23 x
4Y1AF8-24 x		1-1/2	24	80	106.4	184.2	54.1	127.0	155.7	19.1	41.4	20.6		30.2	19.1	50.8	52.8		4Y208-24 x
4Y1AF8-40M x	40																		4Y208-40M x
4Y1AG8-24 x		1-1/2	24	3.346	4.25	7.44	2.13	5.31	6.31	0.75	1.72	0.86	1/2	1.19	0.75	2.05	2.31	1AG	4Y209-24 x
4Y1AG8-26 x		1-5/8	26	85	108.0	189.0	54.1	134.9	160.3	19.1	43.7	21.8		30.2	19.1	52.1	58.7		4Y209-26 x
4Y1AG8-27 x		1-11/16	27																4Y209-27 x
4Y1AG8-28 x		1-3/4	28																4Y209-28 x
4Y1AG8-45M x	45																		4Y209-45M x
4Y1AH8-28 x		1-3/4	28	3.543	4.5	8.13	2.25	5.88	6.75	0.75	1.97	0.99	5/8	1.28	0.75	2.27	2.45	1AH	4Y210-28 x
4Y1AH8-30 x		1-7/8	30	90	114.3	206.5	57.2	149.4	171.5	19.1	50.0	25.1		32.5	19.1	57.7	62.2		4Y210-30 x
4Y1AH8-31 x		1-15/16	31																4Y210-31 x
4Y1AH8-50M x	50																		4Y210-50M x
4Y1AH8-32 x		2	32																4Y210-32 x
4Y1AI8-32 x		2	32	3.937	4.94	8.88	2.5	6.38	7.5	0.88	1.97	0.99	5/8	1.32	0.87	2.31	2.76	1AI	4Y211-32 x
4Y1AI8-55M x	55			100	125.5	225.6	63.5	162.1	190.5	22.4	50.0	25.1		33.5	22.1	58.7	70.1		4Y211-55M x
4Y1AI8-35 x		2-3/16	35																4Y211-35 x
4Y1AI8-36 x		2-1/4	36																4Y211-36 x
4Y1AJ8-36 x		2-1/4	36	4.331	5.38	9.5	2.75	6.44	8.13	0.88	1.97	0.99	5/8	1.56	1	2.55	3.03	1AJ	4Y212-36 x
4Y1AJ8-60M x	60			110	136.7	241.3	69.9	163.6	206.5	22.4	50.0	25.1		39.6	25.4	64.8	77.0		4Y212-60M x
4Y1AJ8-39 x		2-7/16	39																4Y212-39 x
4Y1AK8-39 x		2-7/16	39	4.921	6.06	10.75	3	7.44	9.13	0.94	1.97	0.99	3/4	1.75	1.19	2.74	3.43	1AK	4Y214-39 x
4Y1AK8-40 x		2-1/2	40	125	153.9	273.1	76.2	189.0	231.9	23.9	50.0	25.1		44.5	30.2	69.6	87.1		4Y214-40 x
4Y1AK8-70M x	70																		4Y214-70M x
4Y1AK8-44 x		2-3/4	44																4Y214-44 x
4Y1AL8-40 x				5.128	6.75	11.75	3.5	8.25	9.75	1	2.47	1.24	7/8	1.75	1.31	2.99	3.6	1AL	4Y215-40
4Y1AL8-43 x		2-11/16	43	130	171.5	298.5	88.9	209.6	247.7	25.4	62.7	31.5		44.5	33.3	75.9	91.4		4Y215-43 x
4Y1AL8-44 x		2-3/4	44																4Y215-44 x
4Y1AL8-45 x		2-13/16	45																4Y215-45 x
4Y1AL8-47 x		2-15/16	47																4Y215-47 x
4Y1AL8-75M x	75																		4Y215-75M x
4Y1AL8-48 x		3	48																4Y215-48 x

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X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

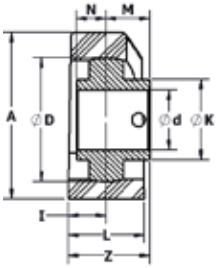
Example: GX = food grade grease with standard seals & flingers

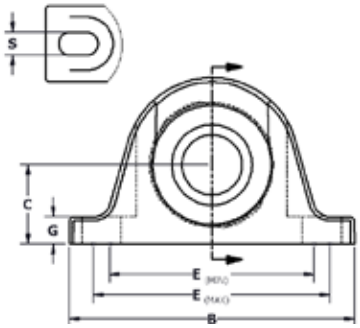
Stainless Ball Solution® Pillow Block

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard backing height Series "1"
Polymer housing Series "G"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back from brg	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K	PN	SETSCREW
4Y1GA8-12M x	12			1.575	2.25	5	1.06	2.94	4.06	0.44	1.25	0.63	3/8	0.61	0.41	1.24	0.97	1GA	4Y203-12M x
4Y1GA8-08 x		1/2	8	40	57.2	127.0	26.9	74.7	103.1	11.2	31.8	16.0		15.5	10.4	31.5	24.6		4Y203-08 x
4Y1GA8-09 x		9/16	9																4Y203-09 x
4Y1GA8-15M x	15																		4Y203-15M x
4Y1GA8-10 x		5/8	10																4Y203-10 x
4Y1GA8-17M x	17																		4Y203-17M x
4Y1GB8-12M x	12			1.850	2.69	5.25	1.31	3.25	4.38	0.5	1.38	0.69	3/8	0.72	0.5	1.41	1.14	1GB	4Y204-12M x
4Y1GB8-08 x		1/2	8	47	68.3	133.4	33.3	82.6	111.3	12.7	35.1	17.5		18.3	12.7	35.8	29.0		4Y204-08 x
4Y1GB8-15M x	15																		4Y204-15M x
4Y1GB8-10 x		5/8	10																4Y204-10 x
4Y1GB8-17M x	17																		4Y204-17M x
4Y1GB8-11 x		11/16	11																4Y204-11 x
4Y1GB8-12 x		3/4	12																4Y204-12 x
4Y1GB8-20M x	20																		4Y204-20M x
4Y1GC8-12 x		3/4	12	2.047	2.94	5.5	1.44	3.44	4.63	0.56	1.5	0.75	3/8	0.78	0.56	1.53	1.34	1GC	4Y205-12 x
4Y1GC8-14 x		7/8	14	52	74.7	139.7	36.6	87.4	117.6	14.2	38.1	19.1		19.8	14.2	38.9	34.0		4Y205-14 x
4Y1GC8-15 x		15/16	15																4Y205-15 x
4Y1GC8-25M x	25																		4Y205-25M x
4Y1GC8-16 x		1	16																4Y205-16 x
4Y1GD8-16 x		1	16	2.441	3.38	6.25	1.69	4.13	5.13	0.69	1.75	0.88	1/2	0.87	0.63	1.75	1.59	1GD	4Y206-16 x
4Y1GD8-17 x		1-1/16	17	62	85.9	158.8	42.9	104.9	130.3	17.5	44.5	22.4		22.1	16.0	44.5	40.4		4Y206-17 x
4Y1GD8-18 x		1-1/8	18																4Y206-18 x
4Y1GD8-30M x	30																		4Y206-30M x
4Y1GD8-19 x		1-3/16	19																4Y206-19 x
4Y1GD8-20 x		1-1/4	20																4Y206-20 x
4Y1GE8-19 x		1-3/16	19	2.835	3.88	6.56	1.88	4.69	5.44	0.69	1.75	0.88	1/2	1	0.69	1.88	1.84	1GE	4Y207-19 x
4Y1GE8-20 x		1-1/4	20	72	98.6	166.6	47.8	119.1	138.2	17.5	44.5	22.4		25.4	17.5	47.8	46.7		4Y207-20 x
4Y1GE8-21 x		1-5/16	21																4Y207-21 x
4Y1GE8-22 x		1-3/8	22																4Y207-22 x
4Y1GE8-35M x	35																		4Y207-35M x
4Y1GE8-23 x		1-7/16	23																4Y207-23 x
4Y1GF8-23 x		1-7/16	23	3.150	4.31	7.25	2.13	5	6.13	0.75	1.94	0.97	1/2	1.19	0.75	2.16	2.08	1GF	4Y208-23 x
4Y1GF8-24 x		1-1/2	24	80	109.5	184.2	54.1	127.0	155.7	19.1	49.3	24.6		30.2	19.1	54.9	52.8		4Y208-24 x
4Y1GF8-40M x	40																		4Y208-40M x
4Y1GG8-24 x		1-1/2	24	3.346	4.38	7.44	2.13	5.31	6.31	0.75	2	1	1/2	1.19	0.75	2.19	2.31	1GG	4Y209-24 x
4Y1GG8-26 x		1-5/8	26	85	111.3	189.0	54.1	134.9	160.3	19.1	50.8	25.4		30.2	19.1	55.6	58.7		4Y209-26 x
4Y1GG8-27 x		1-11/16	27																4Y209-27 x
4Y1GG8-28 x		1-3/4	28																4Y209-28 x
4Y1GG8-45M x	45																		4Y209-45M x
4Y1GH8-28 x		1-3/4	28	3.543	4.63	8.13	2.25	5.88	6.75	0.75	2.25	1.13	5/8	1.28	0.75	2.41	2.45	1GH	4Y210-28 x
4Y1GH8-30 x		1-7/8	30	90	117.6	206.5	57.2	149.4	171.5	19.1	57.2	28.7		32.5	19.1	61.2	62.2		4Y210-30 x
4Y1GH8-31 x		1-15/16	31																4Y210-31 x
4Y1GH8-50M x	50																		4Y210-50M x
4Y1GH8-32 x		2	32																4Y210-32 x
4Y1GI8-32 x		2	32	3.937	5.13	8.88	2.5	6.38	7.5	0.88	2.38	1.19	5/8	1.32	0.87	2.51	2.76	1GI	4Y211-32 x
4Y1GI8-55M x	55			100	130.3	225.6	63.5	162.1	190.5	22.4	60.5	30.2		33.5	22.1	63.8	70.1		4Y211-55M x
4Y1GI8-35 x		2-3/16	35																4Y211-35 x
4Y1GI8-36 x		2-1/4	36																4Y211-36 x
4Y1GJ8-36 x		2-1/4	36	4.331	5.5	9.5	2.75	6.44	8.13	0.88	2.5	1.25	5/8	1.56	1	2.81	3.03	1GJ	4Y212-36 x
4Y1GJ8-60M x	60			110	139.7	241.3	69.9	163.6	206.5	22.4	63.5	31.8		39.6	25.4	71.4	77.0		4Y212-60M x
4Y1GJ8-39 x		2-7/16	39																4Y212-39 x
4Y1GK8-39 x		2-7/16	39	4.921	6.25	10.75	3	7.44	9.13	0.94	2.75	1.38	3/4	1.75	1.19	3.13	3.43	1GK	4Y214-39 x
4Y1GK8-40 x		2-1/2	40	125	158.8	273.1	76.2	189.0	231.9	23.9	69.9	35.1		44.5	30.2	79.5	87.1		4Y214-40 x
4Y1GK8-70M x	70																		4Y214-70M x
4Y1GK8-44 x		2-3/4	44																4Y214-44 x
4Y1GL8-40 x				5.128	6.88	11.75	3.5	8.25	9.75	1	2.88	1.44	7/8	1.75	1.31	3.19	3.6	1GL	4Y215-40
4Y1GL8-43 x		2-11/16	43	130	174.8	298.5	88.9	209.6	247.7	25.4	73.2	36.6		44.5	33.3	81.0	91.4		4Y215-43 x
4Y1GL8-44 x		2-3/4	44																4Y215-44 x
4Y1GL8-45 x		2-13/16	45																4Y215-45 x
4Y1GL8-47 x		2-15/16	47																4Y215-47 x
4Y1GL8-75M x	75																		4Y215-75M x
4Y1GL8-48 x		3	48																4Y215-48 x

X indicates a 2-letter designation for lube & seals

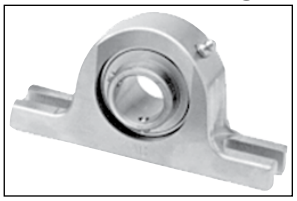
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

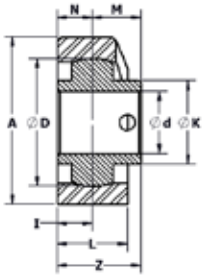
Stainless Ball Solution® Pillow Block

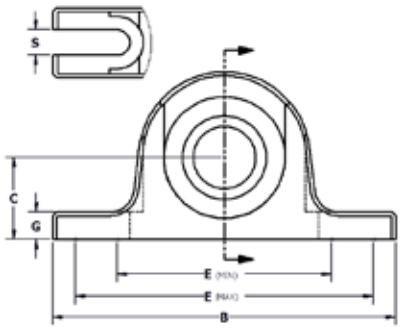
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Low backing height Series "10"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K		SETSCREW
4Y10AA8-12M x	12			1.575										0.61	0.41		0.97	10AA	4Y203-12M x
4Y10AA8-08 x		1/2	8	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.5	10.4	0.0	24.6		4Y203-08 x
4Y10AA8-09 x		9/16	9																4Y203-09 x
4Y10AA8-15M x	15																		4Y203-15M x
4Y10AA8-10 x		5/8	10																4Y203-10 x
4Y10AA8-17M x	17																		4Y203-17M x
4Y10AB8-12M x	12			1.850	2.5	5.25	1.25	3.25	4.38	0.44	1.13	0.56	3/8"	0.72	0.5	1.28	1.14	10AB	4Y204-12M x
4Y10AB8-08 x		1/2	8	47	63.5	133.4	31.8	82.6	111.3	11.2	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y10AB8-15M x	15																		4Y204-15M x
4Y10AB8-10 x		5/8	10																4Y204-10 x
4Y10AB8-17M x	17																		4Y204-17M x
4Y10AB8-11 x		11/16	11																4Y204-11 x
4Y10AB8-12 x		3/4	12																4Y204-12 x
4Y10AB8-20M x	20																		4Y204-20M x
4Y10AC8-12 x		3/4	12	2.047	2.69	5.5	1.31	3.44	4.63	0.44	1.13	0.56	3/8"	0.78	0.56	1.34	1.34	10AC	4Y205-12 x
4Y10AC8-14 x		7/8	14	52	68.3	139.7	33.3	87.4	117.6	11.2	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x
4Y10AC8-15 x		15/16	15																4Y205-15 x
4Y10AC8-25M x	25																		4Y205-25M x
4Y10AC8-16 x		1	16																4Y205-16 x
4Y10AD8-16 x		1	16	2.441	3.13	6.25	1.56	4.13	5.13	0.56	1.47	0.74	1/2"	0.87	0.63	1.61	1.59	10AD	4Y206-16 x
4Y10AD8-17 x		1-1/16	17	62	79.4	158.8	39.6	104.9	130.3	14.2	37.3	18.8		22.1	16.0	40.9	40.4		4Y206-17 x
4Y10AD8-18 x		1-1/8	18																4Y206-18 x
4Y10AD8-30M x	30																		4Y206-30M x
4Y10AD8-19 x		1-3/16	19																4Y206-19 x
4Y10AD8-20 x		1-1/4	20																4Y206-20 x
4Y10AE8-19 x		1-3/16	19	2.835	3.69	6.56	1.81	4.69	5.44	0.63	1.47	0.74	1/2"	1	0.69	1.74	1.84	10AE	4Y207-19 x
4Y10AE8-20 x		1-1/4	20	72	93.7	166.6	46.0	119.1	138.2	16.0	37.3	18.8		25.4	17.5	44.2	46.7		4Y207-20 x
4Y10AE8-21 x		1-5/16	21																4Y207-21 x
4Y10AE8-22 x		1-3/8	22																4Y207-22 x
4Y10AE8-35M x	35																		4Y207-35M x
4Y10AE8-23 x		1-7/16	23																4Y207-23 x
4Y10AF8-23 x		1-7/16	23	3.150	4	7.25	1.94	5	6.13	0.56	1.625	0.81	1/2"	1.19	0.75	2.00	2.08	10AF	4Y208-23 x
4Y10AF8-24 x		1-1/2	24	80	101.6	184.2	49.3	127.0	155.7	14.2	41.3	20.6		30.2	19.1	50.8	52.8		4Y208-24 x
4Y10AF8-40M x	40																		4Y208-40M x
4Y10AG8-24 x		1-1/2	24	3.346	4.19	7.44	2.06	5.31	6.31	0.69	1.72	0.86	1/2"	1.19	0.75	2.05	2.31	10AG	4Y209-24 x
4Y10AG8-26 x		1-5/8	26	85	106.4	189.0	52.3	134.9	160.3	17.5	43.7	21.8		30.2	19.1	52.1	58.7		4Y209-26 x
4Y10AG8-27 x		1-11/16	27																4Y209-27 x
4Y10AG8-28 x		1-3/4	28																4Y209-28 x
4Y10AG8-45M x	45																		4Y209-45M x
4Y10AH8-28 x		1-3/4	28	3.543	4.44	8.13	2.19	5.88	6.75	0.69	1.97	0.99	5/8"	1.28	0.75	2.27	2.45	10AH	4Y210-28 x
4Y10AH8-30 x		1-7/8	30	90	112.8	206.5	55.6	149.4	171.5	17.5	50.0	25.1		32.5	19.1	57.7	62.2		4Y210-30 x
4Y10AH8-31 x		1-15/16	31																4Y210-31 x
4Y10AH8-50M x	50																		4Y210-50M x
4Y10AH8-32 x		2	32																4Y210-32 x
4Y10AI8-32 x		2	32	3.937	4.88	8.88	2.44	6.38	7.5	0.81	1.97	0.99	5/8"	1.31	0.87	2.30	2.76	10AI	4Y211-32 x
4Y10AI8-55M x	55			100	124.0	225.6	62.0	162.1	190.5	20.6	50.0	25.1		33.3	22.1	58.4	70.1		4Y211-55M x
4Y10AI8-35 x		2-3/16	35																4Y211-35 x
4Y10AI8-36 x		2-1/4	36																4Y211-36 x
4Y10AJ8-36 x		2-1/4	36	4.331	5.31	9.5	2.69	6.44	8.13	0.81	1.97	0.99	5/8"	1.56	1	2.55	3.03	10AJ	4Y212-36 x
4Y10AJ8-60M x	60			110	134.9	241.3	68.3	163.6	206.5	20.6	50.0	25.1		39.6	25.4	64.8	77.0		4Y212-60M x
4Y10AJ8-39 x		2-7/16	39																4Y212-39 x
4Y10AK8-39 x		2-7/16	39	4.921	6.19	10.75	3.13	7.44	9.13	1.06	1.97	0.99	3/4"	1.75	1.19	2.74	3.43	10AK	4Y214-39 x
4Y10AK8-40 x		2-1/2	40	125	157.2	273.1	79.5	189.0	231.9	26.9	50.0	25.1		44.5	30.2	69.6	87.1		4Y214-40 x
4Y10AK8-70M x	70																		4Y214-70M x
4Y10AK8-44 x		2-3/4	44																4Y214-44 x
4Y10AL8-40 x				5.128	6.5	11.75	3.25	8.25	9.75	0.75	2.47	1.24	7/8"	1.75	1.31	2.99	3.6	10AL	4Y215-40
4Y10AL8-43 x		2-11/16	43	130	165.1	298.5	82.6	209.6	247.7	19.1	62.7	31.5		44.5	33.3	75.9	91.4		4Y215-43 x
4Y10AL8-44 x		2-3/4	44																4Y215-44 x
4Y10AL8-45 x		2-13/16	45																4Y215-45 x
4Y10AL8-47 x		2-15/16	47																4Y215-47 x
4Y10AL8-75M x	75																		4Y215-75M x
4Y10AL8-48 x		3	48																4Y215-48 x

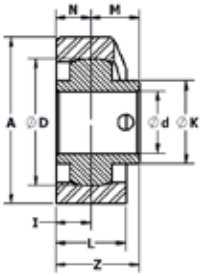
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

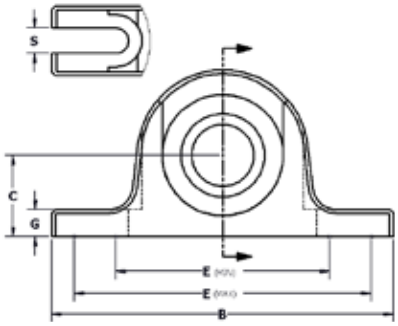
Stainless Ball Solution® Pillow Block

CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Low backing height Series “10”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K		SETSCREW
4Y10GA8-12M x	12			1.575										0.61	0.41		0.97	10GA	4Y203-12M x
4Y10GA8-08 x		1/2	8	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.5	10.4	0.0	24.6		4Y203-08 x
4Y10GA8-09 x		9/16	9																4Y203-09 x
4Y10GA8-15M x	15																		4Y203-15M x
4Y10GA8-10 x		5/8	10																4Y203-10 x
4Y10GA8-17M x	17																		4Y203-17M x
4Y10GB8-12M x	12			1.850	2.63	5.25	1.25	3.25	4.38	0.44	1.38	0.69	3/8"	0.72	0.5	1.41	1.14	10GB	4Y204-12M x
4Y10GB8-08 x		1/2	8	47	66.7	133.4	31.8	82.6	111.3	11.2	35.1	17.5		18.3	12.7	35.8	29.0		4Y204-08 x
4Y10GB8-15M x	15																		4Y204-15M x
4Y10GB8-10 x		5/8	10																4Y204-10 x
4Y10GB8-17M x	17																		4Y204-17M x
4Y10GB8-11 x		11/16	11																4Y204-11 x
4Y10GB8-12 x		3/4	12																4Y204-12 x
4Y10GB8-20M x	20																		4Y204-20M x
4Y10GC8-12 x		3/4	12	2.047	2.81	5.5	1.31	3.44	4.63	0.44	1.5	0.75	3/8"	0.78	0.56	1.53	1.34	10GC	4Y205-12 x
4Y10GC8-14 x		7/8	14	52	71.4	139.7	33.3	87.4	117.6	11.2	38.1	19.1		19.8	14.2	38.9	34.0		4Y205-14 x
4Y10GC8-15 x		15/16	15																4Y205-15 x
4Y10GC8-25M x	25																		4Y205-25M x
4Y10GC8-16 x		1	16																4Y205-16 x
4Y10GD8-16 x		1	16	2.441	3.25	6.25	1.56	4.13	5.13	0.56	1.75	0.88	1/2"	0.87	0.63	1.75	1.59	10GD	4Y206-16 x
4Y10GD8-17 x		1-1/16	17	62	82.6	158.8	39.6	104.9	130.3	14.2	44.5	22.4		22.1	16.0	44.5	40.4		4Y206-17 x
4Y10GD8-18 x		1-1/8	18																4Y206-18 x
4Y10GD8-30M x	30																		4Y206-30M x
4Y10GD8-19 x		1-3/16	19																4Y206-19 x
4Y10GD8-20 x		1-1/4	20																4Y206-20 x
4Y10GE8-19 x		1-3/16	19	2.835	3.81	6.56	1.81	4.69	5.44	0.63	1.75	0.88	1/2"	1	0.69	1.88	1.84	10GE	4Y207-19 x
4Y10GE8-20 x		1-1/4	20	72	96.8	166.6	46.0	119.1	138.2	16.0	44.5	22.4		25.4	17.5	47.8	46.7		4Y207-20 x
4Y10GE8-21 x		1-5/16	21																4Y207-21 x
4Y10GE8-22 x		1-3/8	22																4Y207-22 x
4Y10GE8-35M x	35																		4Y207-35M x
4Y10GE8-23 x		1-7/16	23																4Y207-23 x
4Y10GF8-23 x		1-7/16	23	3.150	4.13	7.25	1.94	5	6.13	0.56	1.94	0.97	1/2"	1.19	0.75	2.16	2.08	10GF	4Y208-23 x
4Y10GF8-24 x		1-1/2	24	80	104.8	184.2	49.3	127.0	155.7	14.2	49.3	24.6		30.2	19.1	54.9	52.8		4Y208-24 x
4Y10GF8-40M x	40																		4Y208-40M x
4Y10GG8-24 x		1-1/2	24	3.346	4.31	7.44	2.06	5.31	6.31	0.69	2	1	1/2"	1.19	0.75	2.19	2.31	10GG	4Y209-24 x
4Y10GG8-26 x		1-5/8	26	85	109.5	189.0	52.3	134.9	160.3	17.5	50.8	25.4		30.2	19.1	55.6	58.7		4Y209-26 x
4Y10GG8-27 x		1-11/16	27																4Y209-27 x
4Y10GG8-28 x		1-3/4	28																4Y209-28 x
4Y10GG8-45M x	45																		4Y209-45M x
4Y10GH8-28 x		1-3/4	28	3.543	4.56	8.13	2.19	5.88	6.75	0.69	2.25	1.13	5/8"	1.28	0.75	2.41	2.45	10GH	4Y210-28 x
4Y10GH8-30 x		1-7/8	30	90	115.8	206.5	55.6	149.4	171.5	17.5	57.2	28.6		32.5	19.1	61.1	62.2		4Y210-30 x
4Y10GH8-31 x		1-15/16	31																4Y210-31 x
4Y10GH8-50M x	50																		4Y210-50M x
4Y10GH8-32 x		2	32																4Y210-32 x
4Y10GI8-32 x		2	32	3.937	5.06	8.88	2.44	6.38	7.5	0.81	2.38	1.19	5/8"	1.31	0.87	2.50	2.76	10GI	4Y211-32 x
4Y10GI8-55M x	55			100	128.5	225.6	62.0	162.1	190.5	20.6	60.3	30.2		33.3	22.1	63.5	70.1		4Y211-55M x
4Y10GI8-35 x		2-3/16	35																4Y211-35 x
4Y10GI8-36 x		2-1/4	36																4Y211-36 x
4Y10GJ8-36 x		2-1/4	36	4.331	5.44	9.5	2.69	6.44	8.13	0.81	2.5	1.25	5/8"	1.56	1	2.81	3.03	10GJ	4Y212-36 x
4Y10GJ8-60M x	60			110	138.2	241.3	68.3	163.6	206.5	20.6	63.5	31.8		39.6	25.4	71.4	77.0		4Y212-60M x
4Y10GJ8-39 x		2-7/16	39																4Y212-39 x
4Y10GK8-39 x		2-7/16	39	4.921	6.38	10.75	3.13	7.44	9.13	1.06	2.75	1.38	3/4"	1.75	1.19	3.13	3.43	10GK	4Y214-39 x
4Y10GK8-40 x		2-1/2	40	125	161.9	273.1	79.5	189.0	231.9	26.9	69.9	34.9		44.5	30.2	79.4	87.1		4Y214-40 x
4Y10GK8-70M x	70																		4Y214-70M x
4Y10GK8-44 x		2-3/4	44																4Y214-44 x
4Y10GL8-40 x				5.128	6.63	11.75	3.25	8.25	9.75	0.75	2.87	1.44	7/8"	1.75	1.31	3.19	3.6	10GL	4Y215-40
4Y10GL8-43 x		2-11/16	43	130	168.3	298.5	82.6	209.6	247.7	19.1	72.9	36.6		44.5	33.3	81.0	91.4		4Y215-43 x
4Y10GL8-44 x		2-3/4	44																4Y215-44 x
4Y10GL8-45 x		2-13/16	45																4Y215-45 x
4Y10GL8-47 x		2-15/16	47																4Y215-47 x
4Y10GL8-75M x	75																		4Y215-75M x
4Y10GL8-48 x		3	48																4Y215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

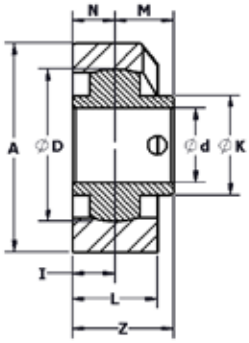
Example: GX = food grade grease with standard seals & flingers

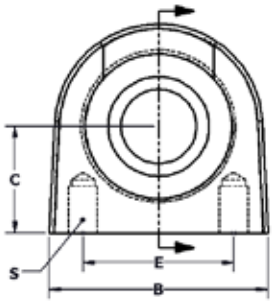
Stainless Ball Solution®
Tapped Base Pillow Block

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Tapped base housing Series "9"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		SETSCREW
4Y9AA8-12M x	12			1.575	2.41	2.88	1.31	2	1.13	0.56	3/8-16	0.61	0.41	1.17	0.97	9AA	4Y203-12M x
4Y9AA8-08 x		1/2	8	40	61.2	73.2	33.3	50.8	28.7	14.2		15.5	10.4	29.7	24.6		4Y203-08 x
4Y9AA8-09 x		9/16	9														4Y203-09 x
4Y9AA8-15M x	15																4Y203-15M x
4Y9AA8-10 x		5/8	10														4Y203-10 x
4Y9AA8-17M x	17																4Y203-17M x
4Y9AB8-12M x	12			1.850	2.53	2.88	1.31	2	1.13	0.56	3/8-16	0.72	0.5	1.28	1.14	9AB	4Y204-12M x
4Y9AB8-08 x		1/2	8	47	64.3	73.2	33.3	50.8	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y9AB8-15M x	15																4Y204-15M x
4Y9AB8-10 x		5/8	10														4Y204-10 x
4Y9AB8-17M x	17																4Y204-17M x
4Y9AB8-11 x		11/16	11														4Y204-11 x
4Y9AB8-12 x		3/4	12														4Y204-12 x
4Y9AB8-20M x	20																4Y204-20M x
4Y9AC8-12 x		3/4	12	2.047	2.81	3	1.44	2	1.13	0.56	3/8-16	0.78	0.56	1.34	1.34	9AC	4Y205-12 x
4Y9AC8-14 x		7/8	14	52	71.4	76.2	36.6	50.8	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x
4Y9AC8-15 x		15/16	15														4Y205-15 x
4Y9AC8-25M x	25																4Y205-25M x
4Y9AC8-16 x		1	16														4Y205-16 x
4Y9AD8-16 x		1	16	2.441	3.25	4	1.69	3	1.47	0.74	7/16-14	0.87	0.63	1.61	1.59	9AD	4Y206-16 x
4Y9AD8-17 x		1-1/16	17	62	82.6	101.6	42.9	76.2	37.3	18.8		22.1	16.0	40.9	40.4		4Y206-17 x
4Y9AD8-18 x		1-1/8	18														4Y206-18 x
4Y9AD8-30M x	30																4Y206-30M x
4Y9AD8-19 x		1-3/16	19														4Y206-19 x
4Y9AD8-20 x		1-1/4	20														4Y206-20 x
4Y9AE8-19 x		1-3/16	19	2.835	3.69	4.25	1.88	3.25	1.47	0.74	1/2-13	1	0.69	1.74	1.84	9AE	4Y207-19 x
4Y9AE8-20 x		1-1/4	20	72	93.7	108.0	47.8	82.6	37.3	18.8		25.4	17.5	44.2	46.7		4Y207-20 x
4Y9AE8-21 x		1-5/16	21														4Y207-21 x
4Y9AE8-22 x		1-3/8	22														4Y207-22 x
4Y9AE8-35M x	35																4Y207-35M x
4Y9AE8-23 x		1-7/16	23														4Y207-23 x
4Y9AF8-23 x		1-7/16	23	3.150	3.94	4.63	1.94	3.5	1.63	0.81	1/2-13	1.19	0.75	2.00	2.08	9AF	4Y208-23 x
4Y9AF8-24 x		1-1/2	24	80	100.1	117.6	49.3	88.9	41.4	20.6		30.2	19.1	50.8	52.8		4Y208-24 x
4Y9AF8-40M x	40																4Y208-40M x
4Y9AG8-24 x		1-1/2	24	3.346	4.25	5	2.125	3.75	1.72	0.86	1/2-13	1.19	0.75	2.05	2.31	9AG	4Y209-24 x
4Y9AG8-26 x		1-5/8	26	85	108.0	127.0	54.0	95.3	43.7	21.8		30.2	19.1	52.1	58.7		4Y209-26 x
4Y9AG8-27 x		1-11/16	27														4Y209-27 x
4Y9AG8-28 x		1-3/4	28														4Y209-28 x
4Y9AG8-45M x	45																4Y209-45M x
4Y9AH8-28 x		1-3/4	28	3.543	4.5	5.5	2.25	4	1.97	0.99	5/8-11	1.28	0.75	2.27	2.45	9AH	4Y210-28 x
4Y9AH8-30 x		1-7/8	30	90	114.3	139.7	57.2	101.6	50.0	25.1		32.5	19.1	57.7	62.2		4Y210-30 x
4Y9AH8-31 x		1-15/16	31														4Y210-31 x
4Y9AH8-50M x	50																4Y210-50M x
4Y9AH8-32 x		2	32														4Y210-32 x
4Y9AI8-32 x		2	32	3.937	4.72	5.5	2.25	4	1.97	0.99	5/8-11	1.31	0.87	2.30	2.76	9AI	4Y211-32 x
4Y9AI8-55M x	55			100	119.9	139.7	57.2	101.6	50.0	25.1		33.3	22.1	58.4	70.1		4Y211-55M x
4Y9AI8-35 x		2-3/16	35														4Y211-35 x
4Y9AI8-36 x		2-1/4	36														4Y211-36 x
4Y9AJ8-36 x		2-1/4	36	4.331	5.38	6	2.75	4.25	1.97	0.99	5/8-11	1.56	1	2.55	3.03	9AJ	4Y212-36 x
4Y9AJ8-60M x	60			110	136.5	152.4	69.9	108.0	50.0	25.1		39.6	25.4	64.8	77.0		4Y212-60M x
4Y9AJ8-39 x		2-7/16	39														4Y212-39 x
4Y9AK8-39 x		2-7/16	39	4.921	6.06	7	3	5	1.97	0.99	3/4-10	1.75	1.19	2.74	3.43	9AK	4Y214-39 x
4Y9AK8-40 x		2-1/2	40	125	154.0	177.8	76.2	127.0	50.0	25.1		44.5	30.2	69.6	87.1		4Y214-40 x
4Y9AK8-70M x	70																4Y214-70M x
4Y9AK8-44 x		2-3/4	44														4Y214-44 x
4Y9AL8-40 x				5.128	6.75	7.5	3.5	5.25	1.97	0.99	7/8-9	1.75	1.31	2.74	3.6	9AL	4Y215-40
4Y9AL8-43 x		2-11/16	43	130	171.5	190.5	88.9	133.4	50.0	25.1		44.5	33.3	69.6	91.4		4Y215-43 x
4Y9AL8-44 x		2-3/4	44														4Y215-44 x
4Y9AL8-45 x		2-13/16	45														4Y215-45 x
4Y9AL8-47 x		2-15/16	47														4Y215-47 x
4Y9AL8-75M x	75																4Y215-75M x
4Y9AL8-48 x		3	48														4Y215-48 x

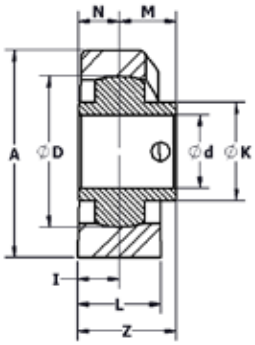
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

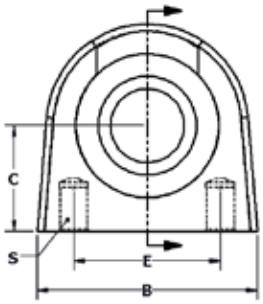
Stainless Ball Solution®
Tapped Base Pillow Block

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Tapped base housing Series "9"
Polymer housing Series "G"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

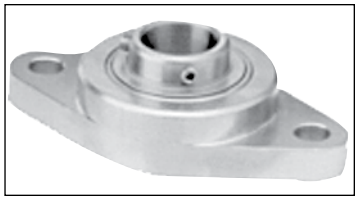
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		SETSCREW
4Y9GA8-12M x	12			1.575	2.46	2.94	1.31	2	1.12	0.56	3/8-16	0.61	0.41	1.17	0.97	9GA	4Y203-12M x
4Y9GA8-08 x		1/2	8	40	62.5	74.7	33.3	50.8	28.4	14.2		15.5	10.4	29.7	24.6		4Y203-08 x
4Y9GA8-09 x		9/16	9														4Y203-09 x
4Y9GA8-15M x	15																4Y203-15M x
4Y9GA8-10 x		5/8	10														4Y203-10 x
4Y9GA8-17M x	17																4Y203-17M x
4Y9GB8-12M x	12			1.850	2.58	2.96	1.31	2	1.13	0.56	3/8-16	0.72	0.5	1.28	1.14	9GB	4Y204-12M x
4Y9GB8-08 x		1/2	8	47	65.5	75.2	33.3	50.8	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y9GB8-15M x	15																4Y204-15M x
4Y9GB8-10 x		5/8	10														4Y204-10 x
4Y9GB8-17M x	17																4Y204-17M x
4Y9GB8-11 x		11/16	11														4Y204-11 x
4Y9GB8-12 x		3/4	12														4Y204-12 x
4Y9GB8-20M x	20																4Y204-20M x
4Y9GC8-12 x		3/4	12	2.047	2.81	3	1.44	2	1.14	0.57	3/8-16	0.78	0.56	1.35	1.34	9GC	4Y205-12 x
4Y9GC8-14 x		7/8	14	52	71.4	76.2	36.6	50.8	29.0	14.5		19.8	14.2	34.3	34.0		4Y205-14 x
4Y9GC8-15 x		15/16	15														4Y205-15 x
4Y9GC8-25M x	25																4Y205-25M x
4Y9GC8-16 x		1	16														4Y205-16 x
4Y9GD8-16 x		1	16	2.441	3.38	4.25	1.69	3	1.63	0.81	7/16-14	0.87	0.63	1.68	1.59	9GD	4Y206-16 x
4Y9GD8-17 x		1-1/16	17	62	85.9	108.0	42.9	76.2	41.4	20.6		22.1	16.0	42.7	40.4		4Y206-17 x
4Y9GD8-18 x		1-1/8	18														4Y206-18 x
4Y9GD8-30M x	30																4Y206-30M x
4Y9GD8-19 x		1-3/16	19														4Y206-19 x
4Y9GD8-20 x		1-1/4	20														4Y206-20 x
4Y9GE8-19 x		1-3/16	19	2.835	3.88	4.5	1.88	3.25	1.75	0.88	1/2-13	1	0.69	1.88	1.84	9GE	4Y207-19 x
4Y9GE8-20 x		1-1/4	20	72	98.6	114.3	47.8	82.6	44.5	22.4		25.4	17.5	47.8	46.7		4Y207-20 x
4Y9GE8-21 x		1-5/16	21														4Y207-21 x
4Y9GE8-22 x		1-3/8	22														4Y207-22 x
4Y9GE8-35M x	35																4Y207-35M x
4Y9GE8-23 x		1-7/16	23														4Y207-23 x
4Y9GF8-23 x		1-7/16	23	3.150	4.13	4.75	1.94	3.5	1.88	0.94	1/2-13	1.19	0.75	2.13	2.08	9GF	4Y208-23 x
4Y9GF8-24 x		1-1/2	24	80	104.8	120.7	49.3	88.9	47.8	23.9		30.2	19.1	54.1	52.8		4Y208-24 x
4Y9GF8-40M x	40																4Y208-40M x
4Y9GG8-24 x		1-1/2	24	3.346	4.38	5.25	2.125	3.75	1.97	0.98	1/2-13	1.19	0.75	2.17	2.31	9GG	4Y209-24 x
4Y9GG8-26 x		1-5/8	26	85	111.3	133.4	54.0	95.3	50.0	24.9		30.2	19.1	55.1	58.7		4Y209-26 x
4Y9GG8-27 x		1-11/16	27														4Y209-27 x
4Y9GG8-28 x		1-3/4	28														4Y209-28 x
4Y9GG8-45M x	45																4Y209-45M x
4Y9GH8-28 x		1-3/4	28	3.543	4.75	5.75	2.25	4	2.13	1.06	5/8-11	1.28	0.75	2.34	2.45	9GH	4Y210-28 x
4Y9GH8-30 x		1-7/8	30	90	120.7	146.1	57.2	101.6	54.1	26.9		32.5	19.1	59.4	62.2		4Y210-30 x
4Y9GH8-31 x		1-15/16	31														4Y210-31 x
4Y9GH8-50M x	50																4Y210-50M x
4Y9GH8-32 x		2	32														4Y210-32 x
4Y9GI8-32 x		2	32	3.937	4.88	5.75	2.25	4	2.31	1.16	5/8-11	1.31	0.87	2.47	2.76	9GI	4Y211-32 x
4Y9GI8-55M x	55			100	124.0	146.1	57.2	101.6	58.7	29.5		33.3	22.1	62.7	70.1		4Y211-55M x
4Y9GI8-35 x		2-3/16	35														4Y211-35 x
4Y9GI8-36 x		2-1/4	36														4Y211-36 x
4Y9GJ8-36 x		2-1/4	36	4.331	5.75	6.5	2.75	4.25	2.44	1.22	5/8-11	1.56	1	2.78	3.03	9GJ	4Y212-36 x
4Y9GJ8-60M x	60			110	146.1	165.1	69.9	108.0	62.0	31.0		39.6	25.4	70.6	77.0		4Y212-60M x
4Y9GJ8-39 x		2-7/16	39														4Y212-39 x
4Y9GK8-39 x		2-7/16	39	4.921	6.38	7.5	3	5	2.5	1.25	3/4-10	1.75	1.19	3.00	3.43	9GK	4Y214-39 x
4Y9GK8-40 x		2-1/2	40	125	162.1	190.5	76.2	127.0	63.5	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y9GK8-70M x	70																4Y214-70M x
4Y9GK8-44 x		2-3/4	44														4Y214-44 x
4Y9GL8-40 x				5.128	7	8	3.5	5.25	2.88	1.44	3/4-10	1.75	1.31	3.19	3.6	9GL	4Y215-40
4Y9GL8-43 x		2-11/16	43	130	177.8	203.2	88.9	133.4	73.2	36.6		44.5	33.3	81.0	91.4		4Y215-43 x
4Y9GL8-44 x		2-3/4	44														4Y215-44 x
4Y9GL8-45 x		2-13/16	45														4Y215-45 x
4Y9GL8-47 x		2-15/16	47														4Y215-47 x
4Y9GL8-75M x	75																4Y215-75M x
4Y9GL8-48 x		3	48														4Y215-48 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

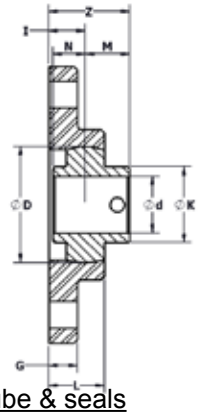
Stainless Ball Solution®
Two-Bolt Flange

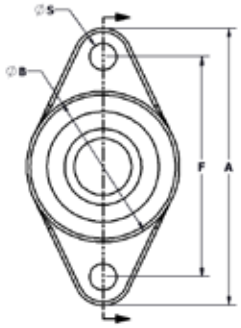
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "2"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y2AA8-12M x	12			1.575	3.88	2.15	3	0.44	0.85	0.53	3/8"	0.61	0.41	1.14	0.97	2AA	4Y203-12M x
4Y2AA8-08 x		1/2	8	40	98.6	54.6	76.2	11.2	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x
4Y2AA8-09 x		9/16	9														4Y203-09 x
4Y2AA8-15M x	15																4Y203-15M x
4Y2AA8-10 x		5/8	10														4Y203-10 x
4Y2AA8-17M x	17																4Y203-17M x
4Y2AB8-12M x	12			1.850	4.41	2.42	3.53	0.44	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	2AB	4Y204-12M x
4Y2AB8-08 x		1/2	8	47	112.0	61.5	89.7	11.2	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x
4Y2AB8-15M x	15																4Y204-15M x
4Y2AB8-10 x		5/8	10														4Y204-10 x
4Y2AB8-17M x	17																4Y204-17M x
4Y2AB8-11 x		11/16	11														4Y204-11 x
4Y2AB8-12 x		3/4	12														4Y204-12 x
4Y2AB8-20M x	20																4Y204-20M x
4Y2AC8-12 x		3/4	12	2.047	4.89	2.66	3.89	0.5	0.97	0.63	7/16"	0.78	0.56	1.41	1.34	2AC	4Y205-12 x
4Y2AC8-14 x		7/8	14	52	124.2	67.6	98.8	12.7	24.6	16.0		19.8	14.2	35.8	34.0		4Y205-14 x
4Y2AC8-15 x		15/16	15														4Y205-15 x
4Y2AC8-25M x	25																4Y205-25M x
4Y2AC8-16 x		1	16														4Y205-16 x
4Y2AD8-16 x		1	16	2.441	5.59	3.12	4.6	0.5	1.07	0.66	7/16"	0.87	0.63	1.53	1.59	2AD	4Y206-16 x
4Y2AD8-17 x		1-1/16	17	62	142.0	79.2	116.8	12.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x
4Y2AD8-18 x		1-1/8	18														4Y206-18 x
4Y2AD8-30M x	30																4Y206-30M x
4Y2AD8-19 x		1-3/16	19														4Y206-19 x
4Y2AD8-20 x		1-1/4	20														4Y206-20 x
4Y2AE8-19 x		1-3/16	19	2.835	6.25	3.62	5.12	0.56	1.22	0.79	1/2"	1	0.69	1.79	1.84	2AE	4Y207-19 x
4Y2AE8-20 x		1-1/4	20	72	158.8	91.9	130.0	14.2	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y2AE8-21 x		1-5/16	21														4Y207-21 x
4Y2AE8-22 x		1-3/8	22														4Y207-22 x
4Y2AE8-35M x	35																4Y207-35M x
4Y2AE8-23 x		1-7/16	23														4Y207-23 x
4Y2AF8-23 x		1-7/16	23	3.150	6.78	4	5.66	0.56	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	2AF	4Y208-23 x
4Y2AF8-24 x		1-1/2	24	80	172.2	101.6	143.8	14.2	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x
4Y2AF8-40M x	40																4Y208-40M x
4Y2AG8-24 x		1-1/2	24	3.346	6.97	4.25	5.84	0.63	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	2AG	4Y209-24 x
4Y2AG8-26 x		1-5/8	26	85	177.0	108.0	148.3	16.0	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x
4Y2AG8-27 x		1-11/16	27														4Y209-27 x
4Y2AG8-28 x		1-3/4	28														4Y209-28 x
4Y2AG8-45M x	45																4Y209-45M x
4Y2AH8-28 x		1-3/4	28	3.543	7.31	4.56	6.19	0.63	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	2AH	4Y210-28 x
4Y2AH8-30 x		1-7/8	30	90	185.7	115.8	157.2	16.0	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x
4Y2AH8-31 x		1-15/16	31														4Y210-31 x
4Y2AH8-50M x	50																4Y210-50M x
4Y2AH8-32 x		2	32														4Y210-32 x
4Y2AI8-32 x		2	32	3.937	8.63	5.06	7.25	0.69	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	2AI	4Y211-32 x
4Y2AI8-55M x	55			100	219.2	128.5	184.2	17.5	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x
4Y2AI8-35 x		2-3/16	35														4Y211-35 x
4Y2AI8-36 x		2-1/4	36														4Y211-36 x
4Y2AJ8-36 x		2-1/4	36	4.331	9.33	5.62	7.95	0.69	1.66	1.07	5/8"	1.56	1	2.63	3.03	2AJ	4Y212-36 x
4Y2AJ8-60M x	60			110	237.0	142.7	201.9	17.5	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x
4Y2AJ8-39 x		2-7/16	39														4Y212-39 x
4Y2AK8-39 x		2-7/16	39	4.921	9.69	6.44	8.31	0.75	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	2AK	4Y214-39 x
4Y2AK8-40 x		2-1/2	40	125	246.1	163.6	211.1	19.1	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y2AK8-70M x	70																4Y214-70M x
4Y2AK8-44 x		2-3/4	44														4Y214-44 x
4Y2AL8-40 x				5.128	10.13	6.5	8.5	1	1.98	1.39	3/4"	1.75	1.31	3.14	3.6	2AL	4Y215-40
4Y2AL8-43 x		2-11/16	43	130	257.3	165.1	215.9	25.4	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x
4Y2AL8-44 x		2-3/4	44														4Y215-44 x
4Y2AL8-45 x		2-13/16	45														4Y215-45 x
4Y2AL8-47 x		2-15/16	47														4Y215-47 x
4Y2AL8-75M x	75																4Y215-75M x
4Y2AL8-48 x		3	48														4Y215-48 x

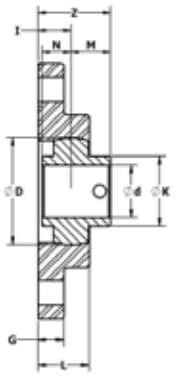
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

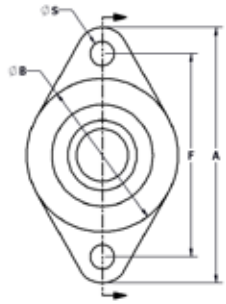
Stainless Ball Solution®
Two-Bolt Flange

CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Standard two-bolt pattern Series “2”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K	PN	SETSCREW
4Y2GA8-12M x	12			1.575	3.88	2.15	3	0.44	0.85	0.53	3/8"	0.61	0.41	1.14	0.97	2GA	4Y203-12M x
4Y2GA8-08 x		1/2	8	40	98.6	54.6	76.2	11.2	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x
4Y2GA8-09 x		9/16	9														4Y203-09 x
4Y2GA8-15M x	15																4Y203-15M x
4Y2GA8-10 x		5/8	10														4Y203-10 x
4Y2GA8-17M x	17																4Y203-17M x
4Y2GB8-12M x	12			1.850	4.41	2.69	3.53	0.44	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	2GB	4Y204-12M x
4Y2GB8-08 x		1/2	8	47	112.0	68.3	89.7	11.2	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x
4Y2GB8-15M x	15																4Y204-15M x
4Y2GB8-10 x		5/8	10														4Y204-10 x
4Y2GB8-17M x	17																4Y204-17M x
4Y2GB8-11 x		11/16	11														4Y204-11 x
4Y2GB8-12 x		3/4	12														4Y204-12 x
4Y2GB8-20M x	20																4Y204-20M x
4Y2GC8-12 x		3/4	12	2.047	4.77	2.93	3.89	0.5	0.99	0.63	7/16"	0.78	0.56	1.41	1.34	2GC	4Y205-12 x
4Y2GC8-14 x		7/8	14	52	121.2	74.4	98.8	12.7	25.1	16.0		19.8	14.2	35.8	34.0		4Y205-14 x
4Y2GC8-15 x		15/16	15														4Y205-15 x
4Y2GC8-25M x	25																4Y205-25M x
4Y2GC8-16 x		1	16														4Y205-16 x
4Y2GD8-16 x		1	16	2.441	5.72	3.625	4.59	0.5	1.07	0.66	7/16"	0.87	0.63	1.53	1.59	2GD	4Y206-16 x
4Y2GD8-17 x		1-1/16	17	62	145.3	92.1	116.6	12.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x
4Y2GD8-18 x		1-1/8	18														4Y206-18 x
4Y2GD8-30M x	30																4Y206-30M x
4Y2GD8-19 x		1-3/16	19														4Y206-19 x
4Y2GD8-20 x		1-1/4	20														4Y206-20 x
4Y2GE8-19 x		1-3/16	19	2.835	6.25	4	5.12	0.56	1.22	0.79	1/2"	1	0.69	1.79	1.84	2GE	4Y207-19 x
4Y2GE8-20 x		1-1/4	20	72	158.8	101.6	130.0	14.2	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y2GE8-21 x		1-5/16	21														4Y207-21 x
4Y2GE8-22 x		1-3/8	22														4Y207-22 x
4Y2GE8-35M x	35																4Y207-35M x
4Y2GE8-23 x		1-7/16	23														4Y207-23 x
4Y2GF8-23 x		1-7/16	23	3.150	6.78	4.56	5.66	0.56	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	2GF	4Y208-23 x
4Y2GF8-24 x		1-1/2	24	80	172.2	115.8	143.8	14.2	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x
4Y2GF8-40M x	40																4Y208-40M x
4Y2GG8-24 x		1-1/2	24	3.346	6.97	4.74	5.84	0.63	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	2GG	4Y209-24 x
4Y2GG8-26 x		1-5/8	26	85	177.0	120.4	148.3	16.0	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x
4Y2GG8-27 x		1-11/16	27														4Y209-27 x
4Y2GG8-28 x		1-3/4	28														4Y209-28 x
4Y2GG8-45M x	45																4Y209-45M x
4Y2GH8-28 x		1-3/4	28	3.543	7.31	5.06	6.19	0.63	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	2GH	4Y210-28 x
4Y2GH8-30 x		1-7/8	30	90	185.7	128.5	157.2	16.0	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x
4Y2GH8-31 x		1-15/16	31														4Y210-31 x
4Y2GH8-50M x	50																4Y210-50M x
4Y2GH8-32 x		2	32														4Y210-32 x
4Y2GI8-32 x		2	32	3.937	8.63	5.87	7.25	0.69	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	2GI	4Y211-32 x
4Y2GI8-55M x	55			100	219.2	149.1	184.2	17.5	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x
4Y2GI8-35 x		2-3/16	35														4Y211-35 x
4Y2GI8-36 x		2-1/4	36														4Y211-36 x
4Y2GJ8-36 x		2-1/4	36	4.331	9.33	6.56	7.95	0.69	1.66	1.07	5/8"	1.56	1	2.63	3.03	2GJ	4Y212-36 x
4Y2GJ8-60M x	60			110	237.0	166.6	201.9	17.5	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x
4Y2GJ8-39 x		2-7/16	39														4Y212-39 x
4Y2GK8-39 x		2-7/16	39	4.921	9.69	6.94	8.31	0.75	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	2GK	4Y214-39 x
4Y2GK8-40 x		2-1/2	40	125	246.1	176.3	211.1	19.1	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y2GK8-70M x	70																4Y214-70M x
4Y2GK8-44 x		2-3/4	44														4Y214-44 x
4Y2GL8-40 x				5.128	10.13	6.94	8.5	1	1.98	1.39	3/4"	1.75	1.31	3.14	3.6	2GL	4Y215-40
4Y2GL8-43 x		2-11/16	43	130	257.3	176.3	215.9	25.4	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x
4Y2GL8-44 x		2-3/4	44														4Y215-44 x
4Y2GL8-45 x		2-13/16	45														4Y215-45 x
4Y2GL8-47 x		2-15/16	47														4Y215-47 x
4Y2GL8-75M x	75																4Y215-75M x
4Y2GL8-48 x		3	48														4Y215-48 x

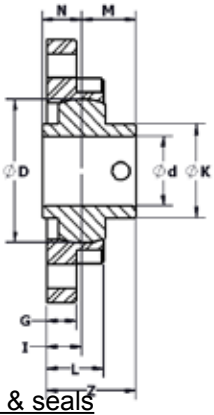
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

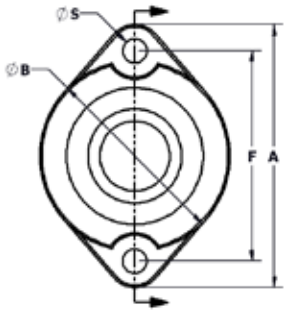
Stainless Ball Solution®
Small Two-Bolt Flange

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Small two-bolt pattern Series "6"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y6AA8-12M x	12			1.575	3.19	2.09	2.5	0.38	0.7	0.42	1/4	0.61	0.41	1.03	0.97	6AA	4Y203-12M x
4Y6AA8-08 x		1/2	8	40	81.0	53.1	63.5	9.7	17.8	10.7		15.5	10.4	26.2	24.6		4Y203-08 x
4Y6AA8-09 x		9/16	9														4Y203-09 x
4Y6AA8-15M x	15																4Y203-15M x
4Y6AA8-10 x		5/8	10														4Y203-10 x
4Y6AA8-17M x	17																4Y203-17M x
4Y6AB8-12M x	12			1.850	3.56	2.42	2.81	0.42	0.86	0.5	5/16	0.72	0.5	1.22	1.14	6AB	4Y204-12M x
4Y6AB8-08 x		1/2	8	47	90.4	61.5	71.4	10.7	21.8	12.7		18.3	12.7	31.0	29.0		4Y204-08 x
4Y6AB8-15M x	15																4Y204-15M x
4Y6AB8-10 x		5/8	10														4Y204-10 x
4Y6AB8-17M x	17																4Y204-17M x
4Y6AB8-11 x		11/16	11														4Y204-11 x
4Y6AB8-12 x		3/4	12														4Y204-12 x
4Y6AB8-20M x	20																4Y204-20M x
4Y6AC8-12 x		3/4	12	2.047	3.75	2.72	3	0.42	0.81	0.5	5/16	0.78	0.56	1.28	1.34	6AC	4Y205-12 x
4Y6AC8-14 x		7/8	14	52	95.3	69.1	76.2	10.7	20.6	12.7		19.8	14.2	32.5	34.0		4Y205-14 x
4Y6AC8-15 x		15/16	15														4Y205-15 x
4Y6AC8-25M x	25																4Y205-25M x
4Y6AC8-16 x		1	16														4Y205-16 x
4Y6AD8-16 x		1	16	2.441	4.44	3.09	3.56	0.47	0.96	0.56	3/8	0.87	0.63	1.43	1.59	6AD	4Y206-16 x
4Y6AD8-17 x		1-1/16	17	62	112.8	78.5	90.4	11.9	24.4	14.2		22.1	16.0	36.3	40.4		4Y206-17 x
4Y6AD8-18 x		1-1/8	18														4Y206-18 x
4Y6AD8-30M x	30																4Y206-30M x
4Y6AD8-19 x		1-3/16	19														4Y206-19 x
4Y6AD8-20 x		1-1/4	20														4Y206-20 x
4Y6AE8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	0.5	0.96	0.56	3/8	1	0.69	1.56	1.84	6AE	4Y207-19 x
4Y6AE8-20 x		1-1/4	20	72	125.5	88.9	100.1	12.7	24.4	14.2		25.4	17.5	39.6	46.7		4Y207-20 x
4Y6AE8-21 x		1-5/16	21														4Y207-21 x
4Y6AE8-22 x		1-3/8	22														4Y207-22 x
4Y6AE8-35M x	35																4Y207-35M x
4Y6AE8-23 x		1-7/16	23														4Y207-23 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
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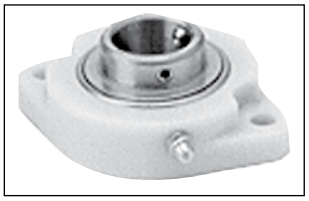
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

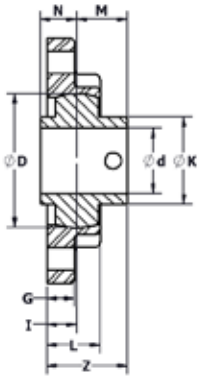
Stainless Ball Solution®
Small Two-Bolt Flange

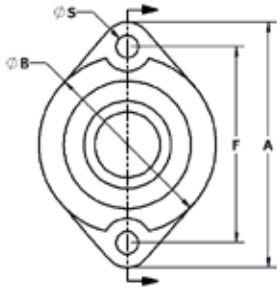
CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Small two-bolt pattern Series “6”
Polymer housing Series “G”



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y6GA8-12M x	12			1.575	3.19	2.09	2.5	0.38	0.7	0.42	1/4	0.61	0.41	1.03	0.97	6GA	4Y203-12M x
4Y6GA8-08 x		1/2	8	40	81.0	53.1	63.5	9.7	17.8	10.7		15.5	10.4	26.2	24.6		4Y203-08 x
4Y6GA8-09 x		9/16	9														4Y203-09 x
4Y6GA8-15M x	15																4Y203-15M x
4Y6GA8-10 x		5/8	10														4Y203-10 x
4Y6GA8-17M x	17																4Y203-17M x
4Y6GB8-12M x	12			1.850	3.56	2.42	2.81	0.42	0.86	0.5	5/16	0.72	0.5	1.22	1.14	6GB	4Y204-12M x
4Y6GB8-08 x		1/2	8	47	90.4	61.5	71.4	10.7	21.8	12.7		18.3	12.7	31.0	29.0		4Y204-08 x
4Y6GB8-15M x	15																4Y204-15M x
4Y6GB8-10 x		5/8	10														4Y204-10 x
4Y6GB8-17M x	17																4Y204-17M x
4Y6GB8-11 x		11/16	11														4Y204-11 x
4Y6GB8-12 x		3/4	12														4Y204-12 x
4Y6GB8-20M x	20																4Y204-20M x
4Y6GC8-12 x		3/4	12	2.047	3.75	2.72	3	0.42	0.81	0.46	5/16	0.78	0.56	1.24	1.34	6GC	4Y205-12 x
4Y6GC8-14 x		7/8	14	52	95.3	69.1	76.2	10.7	20.6	11.7		19.8	14.2	31.5	34.0		4Y205-14 x
4Y6GC8-15 x		15/16	15														4Y205-15 x
4Y6GC8-25M x	25																4Y205-25M x
4Y6GC8-16 x		1	16														4Y205-16 x
4Y6GD8-16 x		1	16	2.441	4.44	3.09	3.56	0.47	0.96	0.56	3/8	0.87	0.63	1.43	1.59	6GD	4Y206-16 x
4Y6GD8-17 x		1-1/16	17	62	112.8	78.5	90.4	11.9	24.4	14.2		22.1	16.0	36.3	40.4		4Y206-17 x
4Y6GD8-18 x		1-1/8	18														4Y206-18 x
4Y6GD8-30M x	30																4Y206-30M x
4Y6GD8-19 x		1-3/16	19														4Y206-19 x
4Y6GD8-20 x		1-1/4	20														4Y206-20 x
4Y6GE8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	0.5	0.96	0.56	3/8	1	0.69	1.56	1.84	6GE	4Y207-19 x
4Y6GE8-20 x		1-1/4	20	72	125.5	88.9	100.1	12.7	24.4	14.2		25.4	17.5	39.6	46.7		4Y207-20 x
4Y6GE8-21 x		1-5/16	21														4Y207-21 x
4Y6GE8-22 x		1-3/8	22														4Y207-22 x
4Y6GE8-35M x	35																4Y207-35M x
4Y6GE8-23 x		1-7/16	23														4Y207-23 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

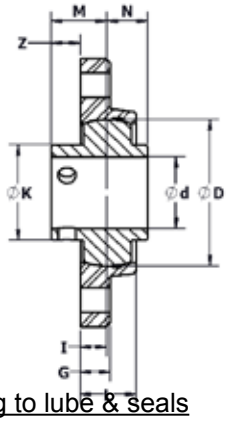
Example: GX = food grade grease with standard seals & flingers

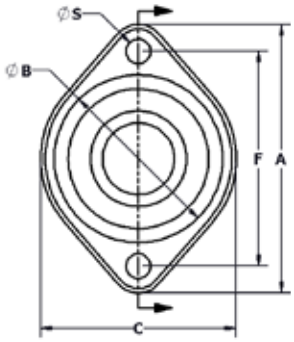
Stainless Ball Solution®
Piloted Two-Bolt Flange

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "6_-SP"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size		Boss dia					Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y6AB-SP8-12M x	12			1.850	3.56	2.12	2.5	2.81	0.35	0.73	0.35	5/16	0.72	0.5	1.07	1.14	6AB-SP	4Y204-12M x
4Y6AB-SP8-08 x		1/2	8	47	90.4	53.8	63.5	71.4	8.9	18.5	8.9		18.3	12.7	27.2	29.0		4Y204-08 x
4Y6AB-SP8-15M x	15																	4Y204-15M x
4Y6AB-SP8-10 x		5/8	10															4Y204-10 x
4Y6AB-SP8-17M x	17																	4Y204-17M x
4Y6AB-SP8-11 x		11/16	11															4Y204-11 x
4Y6AB-SP8-12 x		3/4	12															4Y204-12 x
4Y6AB-SP8-20M x	20																	4Y204-20M x
4Y6AC-SP8-12 x		3/4	12	2.047	3.75	2.34	2.72	3	0.42	0.78	0.38	5/16	0.78	0.56	1.16	1.34	6AC-SP	4Y205-12 x
4Y6AC-SP8-14 x		7/8	14	52	95.3	59.4	69.1	76.2	10.7	19.8	9.5		19.8	14.2	29.3	34.0		4Y205-14 x
4Y6AC-SP8-15 x		15/16	15															4Y205-15 x
4Y6AC-SP8-25M x	25																	4Y205-25M x
4Y6AC-SP8-16 x		1	16															4Y205-16 x

X indicates a 2-letter designation for lube & seals
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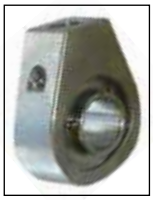
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

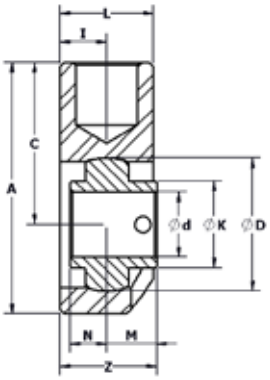
Stainless Ball Solution® Hanger Bearing

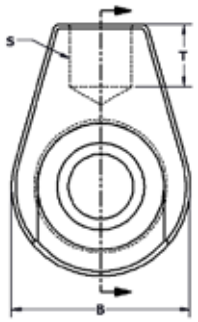
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Hanger pattern Series "8"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

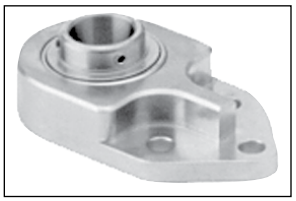
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Thread size		Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing	Ball bearing PN
	mm	in	16th	D	A	B	C	L	I	S	T	M	N	Z	K	PN	SETSCREW
4Y8AA8-12M x	12			1.575	2.94	2.13	1.88	1.19	0.59	1/2 - 14 NPSM	0.63	0.61	0.41	1.20	0.97	8AA	4Y203-12M x
4Y8AA8-08 x		1/2	8	40	74.7	54.1	47.8	30.2	15.0	5/8 - 11 UNC	16.0	15.5	10.4	30.5	24.6	8AA-01	4Y203-08 x
4Y8AA8-09 x		9/16	9							M12 - 1.75						8AA-03B	4Y203-09 x
4Y8AA8-15M x	15									5/8 - 18						8AA-01A	4Y203-15M x
4Y8AA8-10 x		5/8	10														4Y203-10 x
4Y8AA8-17M x	17																4Y203-17M x
4Y8AB8-12M x	12			1.850	3.75	2.5	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	0.72	0.5	1.44	1.14	8AB	4Y204-12M x
4Y8AB8-08 x		1/2	8	47	95.3	63.5	63.5	36.6	18.3	5/8 - 11 UNC	19.1	18.3	12.7	36.6	29.0	8AB-03	4Y204-08 x
4Y8AB8-15M x	15									M16 - 2						8AB-03B	4Y204-15M x
4Y8AB8-10 x		5/8	10														4Y204-10 x
4Y8AB8-17M x	17																4Y204-17M x
4Y8AB8-11 x		11/16	11														4Y204-11 x
4Y8AB8-12 x		3/4	12														4Y204-12 x
4Y8AB8-20M x	20																4Y204-20M x
4Y8AC8-12 x		3/4	12	2.047	3.88	2.75	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	0.78	0.56	1.50	1.34	8AC	4Y205-12 x
4Y8AC8-14 x		7/8	14	52	98.6	69.9	63.5	36.6	18.3		19.1	19.8	14.2	38.1	34.0		4Y205-14 x
4Y8AC8-15 x		15/16	15														4Y205-15 x
4Y8AC8-25M x	25																4Y205-25M x
4Y8AC8-16 x		1	16														4Y205-16 x
4Y8AD8-16 x		1	16	2.441	4.06	3.13	2.5	1.44	0.72	3/4 - 14 NPSM	0.75	0.87	0.63	1.59	1.59	8AD	4Y206-16 x
4Y8AD8-17 x		1-1/16	17	62	103.1	79.5	63.5	36.6	18.3	5/8 - 11 UNC	19.1	22.1	16.0	40.4	40.4	8AD-02	4Y206-17 x
4Y8AD8-18 x		1-1/8	18							M16 - 2						8AD-03	4Y206-18 x
4Y8AD8-30M x	30																4Y206-30M x
4Y8AD8-19 x		1-3/16	19														4Y206-19 x
4Y8AD8-20 x		1-1/4	20														4Y206-20 x
4Y8AE8-19 x		1-3/16	19	2.835	4.56	3.63	2.75	1.44	0.72	3/4 - 14 NPSM	0.75	1	0.69	1.72	1.84	8AE	4Y207-19 x
4Y8AE8-20 x		1-1/4	20	72	115.8	92.2	69.9	36.6	18.3	1 - 8 UNC	19.1	25.4	17.5	43.7	46.7	8AE-01	4Y207-20 x
4Y8AE8-21 x		1-5/16	21							5/8 - 11 NPSM						8AE-02	4Y207-21 x
4Y8AE8-22 x		1-3/8	22														4Y207-22 x
4Y8AE8-35M x	35																4Y207-35M x
4Y8AE8-23 x		1-7/16	23														4Y207-23 x
4Y8AF8-23 x		1-7/16	23	3.150	4.75	3.75	2.88	1.44	0.72	3/4 - 14 NPSM	0.75	1.19	0.75	1.91	2.08	8AF	4Y208-23 x
4Y8AF8-24 x		1-1/2	24	80	120.7	95.3	73.2	36.6	18.3	3/4 - 10 UNC	19.1	30.2	19.1	48.5	52.8	8AF-01	4Y208-24 x
4Y8AF8-40M x	40																4Y208-40M x
4Y8AG8-24 x		1-1/2	24	3.346	5.38	4.25	3.25	1.88	0.94	1 - 11 1/2 NPSM	0.81	1.19	0.75	2.13	2.31	8AG	4Y209-24 x
4Y8AG8-26 x		1-5/8	26	85	136.7	108.0	82.6	47.8	23.9		20.6	30.2	19	54.076	58.7		4Y209-26 x
4Y8AG8-27 x		1-11/16	27														4Y209-27 x
4Y8AG8-28 x		1-3/4	28														4Y209-28 x
4Y8AG8-45M x	45																4Y209-45M x
4Y8AH8-28 x		1-3/4	28	3.543	5.5	4.5	3.25	1.88	0.94	1 - 11 1/2 NPSM	0.81	1.28	0.75	2.22	2.45	8AH	4Y210-28 x
4Y8AH8-30 x		1-7/8	30	90	139.7	114.3	82.6	47.8	23.9	1 - 8 UNC	20.6	32.5	19.1	56.4	62.2	8AH-01	4Y210-30 x
4Y8AH8-31 x		1-15/16	31														4Y210-31 x
4Y8AH8-50M x	50																4Y210-50M x
4Y8AH8-32 x		2	32														4Y210-32 x
4Y8AI8-32 x		2	32	3.937	5.94	5	3.44	1.97	0.99	1 1/4 - 11 1/2 NPSM	1	1.32	0.87	2.31	2.76	8AI	4Y211-32 x
4Y8AI8-55M x	55			100	150.9	127.0	87.4	50.0	25.0	1 1/4 - 7 UNC	25.4	33.5	22.1	58.5	70.1	8AI-01	4Y211-55M x
4Y8AI8-35 x		2-3/16	35														4Y211-35 x
4Y8AI8-36 x		2-1/4	36														4Y211-36 x
4Y8AJ8-36 x		2-1/4	36	4.331	6.81	5.63	4	1.97	0.99	1 1/4 - 11 1/2 NPSM	1	1.56	1	2.55	3.03	8AJ	4Y212-36 x
4Y8AJ8-60M x	60			110	173.0	143.0	101.6	50.0	25.0	1 1/2 - 6 UNC	25.4	39.6	25.4	64.6	77.0	8AJ-01	4Y212-60M x
4Y8AJ8-39 x		2-7/16	39														4Y212-39 x
4Y8AK8-39 x		2-7/16	39	4.921	7.88	6.5	4.63	2.47	1.24	1 1/2 - 11 1/2 NPSM	1.25	1.75	1.19	2.99	3.43	8AK	4Y214-39 x
4Y8AK8-40 x		2-1/2	40	125	200.2	165.1	117.6	62.7	31.4		31.8	44.5	30.2	75.8	87.1		4Y214-40 x
4Y8AK8-70M x	70																4Y214-70M x
4Y8AK8-44 x		2-3/4	44														4Y214-44 x
4Y8AL8-40 x				5.128	7.88	6.5	4.63	2.47	1.24	1 1/2 - 11 1/2 NPSM	1.25	1.75	1.31	2.99	3.6	8AL	4Y215-40
4Y8AL8-43 x		2-11/16	43	130	200.2	165.1	117.6	62.7	31.4		31.8	44.5	33.3	75.8	91.4		4Y215-43 x
4Y8AL8-44 x		2-3/4	44														4Y215-44 x
4Y8AL8-45 x		2-13/16	45														4Y215-45 x
4Y8AL8-47 x		2-15/16	47														4Y215-47 x
4Y8AL8-75M x	75																4Y215-75M x
4Y8L8-48 x		3	48														4Y215-48 x

X indicates a 2-letter designation for lube & seals
G = food grade grease — **X** = standard configuration
F = food grade EPL — **O** = open (no seal or flinger)
Other alpha - refer to page 3 — **Others** - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Three-Bolt Flange

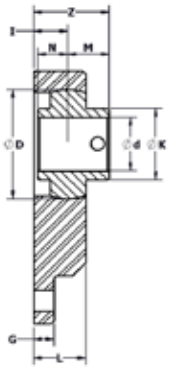
CLASSIC or VALUE

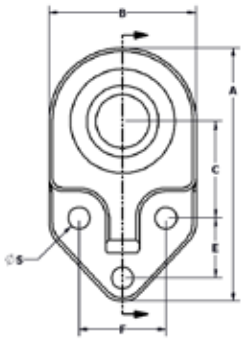
Set screw locking stainless ball bearing Series "4Y"
Standard three-bolt pattern Series "3"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals





Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y3AA8-12M x	12			1.575	3.5	2	1.38	0.81	1.25	0.25	0.85	0.53	5/16"	0.61	0.41	1.14	0.97	3AA	4Y203-12M x
4Y3AA8-08 x		1/2	8	40	88.9	50.8	35.1	20.6	31.8	6.4	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x
4Y3AA8-09 x		9/16	9																4Y203-09 x
4Y3AA8-15M x	15																		4Y203-15M x
4Y3AA8-10 x		5/8	10																4Y203-10 x
4Y3AA8-17M x	17																		4Y203-17M x
4Y3AB8-12M x	12			1.850	4.25	2.5	1.69	0.88	1.5	0.31	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	3AB	4Y204-12M x
4Y3AB8-08 x		1/2	8	47	108.0	63.5	42.9	22.4	38.1	7.9	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x
4Y3AB8-15M x	15																		4Y204-15M x
4Y3AB8-10 x		5/8	10																4Y204-10 x
4Y3AB8-17M x	17																		4Y204-17M x
4Y3AB8-11 x		11/16	11																4Y204-11 x
4Y3AB8-12 x		3/4	12																4Y204-12 x
4Y3AB8-20M x	20																		4Y204-20M x
4Y3AC8-12 x		3/4	12	2.047	4.75	2.75	1.81	1.13	1.63	0.38	0.97	0.64	3/8"	0.78	0.56	1.42	1.34	3AC	4Y205-12 x
4Y3AC8-14 x		7/8	14	52	120.7	69.9	46.0	28.7	41.4	9.7	24.6	16.3		19.8	14.2	36.1	34.0		4Y205-14 x
4Y3AC8-15 x		15/16	15																4Y205-15 x
4Y3AC8-25M x	25																		4Y205-25M x
4Y3AC8-16 x		1	16																4Y205-16 x
4Y3AD8-16 x		1	16	2.441	5.38	3.12	2.06	1.25	1.88	0.38	1.07	0.66	3/8"	0.87	0.63	1.53	1.59	3AD	4Y206-16 x
4Y3AD8-17 x		1-1/16	17	62	136.7	79.2	52.3	31.8	47.8	9.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x
4Y3AD8-18 x		1-1/8	18																4Y206-18 x
4Y3AD8-30M x	30																		4Y206-30M x
4Y3AD8-19 x		1-3/16	19																4Y206-19 x
4Y3AD8-20 x		1-1/4	20																4Y206-20 x
4Y3AE8-19 x		1-3/16	19	2.835	6	3.63	2.38	1.25	2	0.5	1.22	0.79	1/2"	1	0.69	1.79	1.84	3AE	4Y207-19 x
4Y3AE8-20 x		1-1/4	20	72	152.4	92.2	60.5	31.8	50.8	12.7	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y3AE8-21 x		1-5/16	21																4Y207-21 x
4Y3AE8-22 x		1-3/8	22																4Y207-22 x
4Y3AE8-35M x	35																		4Y207-35M x
4Y3AE8-23 x		1-7/16	23																4Y207-23 x
4Y3AF8-23 x		1-7/16	23	3.150	6.5	4	2.56	1.38	2.25	0.5	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	3AF	4Y208-23 x
4Y3AF8-24 x		1-1/2	24	80	165.1	101.6	65.0	35.1	57.2	12.7	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x
4Y3AF8-40M x	40																		4Y208-40M x
4Y3AG8-24 x		1-1/2	24	3.346	6.94	4.25	2.75	1.5	2.5	0.5	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	3AG	4Y209-24 x
4Y3AG8-26 x		1-5/8	26	85	176.3	108.0	69.9	38.1	63.5	12.7	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x
4Y3AG8-27 x		1-11/16	27																4Y209-27 x
4Y3AG8-28 x		1-3/4	28																4Y209-28 x
4Y3AG8-45M x	45																		4Y209-45M x
4Y3AH8-28 x		1-3/4	28	3.543	7.41	4.56	2.94	1.63	2.75	0.5	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	3AH	4Y210-28 x
4Y3AH8-30 x		1-7/8	30	90	188.2	115.8	74.7	41.4	69.9	12.7	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x
4Y3AH8-31 x		1-15/16	31																4Y210-31 x
4Y3AH8-50M x	50																		4Y210-50M x
4Y3AH8-32 x		2	32																4Y210-32 x
4Y3AI8-32 x		2	32	3.937	8.04	4.95	3.13	1.75	3	0.63	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	3AI	4Y211-32 x
4Y3AI8-55M x	55			100	204.2	125.7	79.5	44.5	76.2	16.0	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x
4Y3AI8-35 x		2-3/16	35																4Y211-35 x
4Y3AI8-36 x		2-1/4	36																4Y211-36 x
4Y3AJ8-36 x		2-1/4	36	4.331	8.88	5.63	3.38	2	3.5	0.63	1.66	1.07	5/8"	1.56	1	2.63	3.03	3AJ	4Y212-36 x
4Y3AJ8-60M x	60			110	225.6	143.0	85.9	50.8	88.9	16.0	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x
4Y3AJ8-39 x		2-7/16	39																4Y212-39 x
4Y3AK8-39 x		2-7/16	39	4.921	10.03	6.44	3.75	2.38	4.25	0.63	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	3AK	4Y214-39 x
4Y3AK8-40 x		2-1/2	40	125	254.8	163.6	95.3	60.5	108.0	16.0	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y3AK8-70M x	70																		4Y214-70M x
4Y3AK8-44 x		2-3/4	44																4Y214-44 x
4Y3AL8-40 x				5.128	10.69	6.5	4	2.63	4.25	0.75	1.98	1.39	3/4"	1.75	1.31	3.14	3.6	3AL	4Y215-40
4Y3AL8-43 x		2-11/16	43	130	271.5	165.1	101.6	66.8	108.0	19.1	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x
4Y3AL8-44 x		2-3/4	44																4Y215-44 x
4Y3AL8-45 x		2-13/16	45																4Y215-45 x
4Y3AL8-47 x		2-15/16	47																4Y215-47 x
4Y3AL8-75M x	75																		4Y215-75M x
4Y3AL8-48 x		3	48																4Y215-48 x

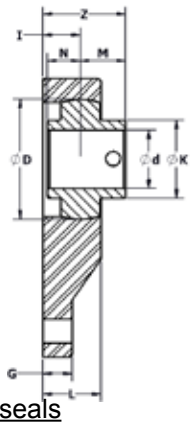
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

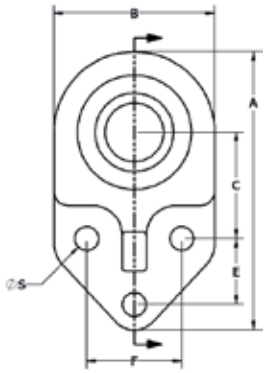
Stainless Ball Solution® Three-Bolt Flange

CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Standard three-bolt pattern Series “3”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





“x” indicates a 2-letter designation referring to lube & seals

Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball baring PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y3GA8-12M x	12			1.575	3.66	2.19	1.38	0.81	1.25	0.44	0.85	0.53	5/16"	0.61	0.41	1.14	0.97	3GA	4Y203-12M x
4Y3GA8-08 x		1/2	8	40	93.0	55.6	35.1	20.6	31.8	11.2	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x
4Y3GA8-09 x		9/16	9																4Y203-09 x
4Y3GA8-15M x	15																		4Y203-15M x
4Y3GA8-10 x		5/8	10																4Y203-10 x
4Y3GA8-17M x	17																		4Y203-17M x
4Y3GB8-12M x	12			1.850	4.34	2.56	1.68	0.88	1.5	0.44	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	3GB	4Y204-12M x
4Y3GB8-08 x		1/2	8	47	110.2	65.0	42.7	22.4	38.1	11.2	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x
4Y3GB8-15M x	15																		4Y204-15M x
4Y3GB8-10 x		5/8	10																4Y204-10 x
4Y3GB8-17M x	17																		4Y204-17M x
4Y3GB8-11 x		11/16	11																4Y204-11 x
4Y3GB8-12 x		3/4	12																4Y204-12 x
4Y3GB8-20M x	20																		4Y204-20M x
4Y3GC8-12 x		3/4	12	2.047	4.75	2.75	1.81	1.12	1.63	0.5	0.99	0.64	3/8"	0.78	0.56	1.42	1.34	3GC	4Y205-12 x
4Y3GC8-14 x		7/8	14	52	120.7	69.9	46.0	28.4	41.4	12.7	25.1	16.3		19.8	14.2	36.1	34.0		4Y205-14 x
4Y3GC8-15 x		15/16	15																4Y205-15 x
4Y3GC8-25M x	25																		4Y205-25M x
4Y3GC8-16 x		1	16																4Y205-16 x
4Y3GD8-16 x		1	16	2.441	5.44	3.25	2.06	1.25	1.88	0.5	1.07	0.66	3/8"	0.87	0.63	1.53	1.59	3GD	4Y206-16 x
4Y3GD8-17 x		1-1/16	17	62	138.2	82.6	52.3	31.8	47.8	12.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x
4Y3GD8-18 x		1-1/8	18																4Y206-18 x
4Y3GD8-30M x	30																		4Y206-30M x
4Y3GD8-19 x		1-3/16	19																4Y206-19 x
4Y3GD8-20 x		1-1/4	20																4Y206-20 x
4Y3GE8-19 x		1-3/16	19	2.835	6.19	3.81	2.38	1.25	2	0.56	1.22	0.79	1/2"	1	0.69	1.79	1.84	3GE	4Y207-19 x
4Y3GE8-20 x		1-1/4	20	72	157.2	96.8	60.5	31.8	50.8	14.2	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y3GE8-21 x		1-5/16	21																4Y207-21 x
4Y3GE8-22 x		1-3/8	22																4Y207-22 x
4Y3GE8-35M x	35																		4Y207-35M x
4Y3GE8-23 x		1-7/16	23																4Y207-23 x
4Y3GF8-23 x		1-7/16	23	3.150	6.72	4.25	2.56	1.38	2.25	0.56	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	3GF	4Y208-23 x
4Y3GF8-24 x		1-1/2	24	80	170.7	108.0	65.0	35.1	57.2	14.2	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x
4Y3GF8-40M x	40																		4Y208-40M x
4Y3GG8-24 x		1-1/2	24	3.346	7.19	4.56	2.75	1.5	2.5	0.63	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	3GG	4Y209-24 x
4Y3GG8-26 x		1-5/8	26	85	182.6	115.8	69.9	38.1	63.5	16.0	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x
4Y3GG8-27 x		1-11/16	27																4Y209-27 x
4Y3GG8-28 x		1-3/4	28																4Y209-28 x
4Y3GG8-45M x	45																		4Y209-45M x
4Y3GH8-28 x		1-3/4	28	3.543	7.63	4.88	2.94	1.63	2.75	0.63	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	3GH	4Y210-28 x
4Y3GH8-30 x		1-7/8	30	90	193.8	124.0	74.7	41.4	69.9	16.0	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x
4Y3GH8-31 x		1-15/16	31																4Y210-31 x
4Y3GH8-50M x	50																		4Y210-50M x
4Y3GH8-32 x		2	32																4Y210-32 x
4Y3GI8-32 x		2	32	3.937	8.38	5.38	3.12	1.75	3	0.69	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	3GI	4Y211-32 x
4Y3GI8-55M x	55			100	212.9	136.7	79.2	44.5	76.2	17.5	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x
4Y3GI8-35 x		2-3/16	35																4Y211-35 x
4Y3GI8-36 x		2-1/4	36																4Y211-36 x
4Y3GJ8-36 x		2-1/4	36	4.331	9.19	6	3.38	2	3.5	0.69	1.66	1.07	5/8"	1.56	1	2.63	3.03	3GJ	4Y212-36 x
4Y3GJ8-60M x	60			110	233.4	152.4	85.9	50.8	88.9	17.5	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x
4Y3GJ8-39 x		2-7/16	39																4Y212-39 x
4Y3GK8-39 x		2-7/16	39	4.921	10.38	6.88	3.75	2.38	4.25	0.75	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	3GK	4Y214-39 x
4Y3GK8-40 x		2-1/2	40	125	263.7	174.8	95.3	60.5	108.0	19.1	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y3GK8-70M x	70																		4Y214-70M x
4Y3GK8-44 x		2-3/4	44																4Y214-44 x
4Y3GL8-40 x				5.128	11.13	7.13	4	2.63	4.25	1	1.98	1.39	5/8	1.75	1.31	3.14	3.6	3GL	4Y215-40
4Y3GL8-43 x		2-11/16	43	130	282.7	181.1	101.6	66.8	108.0	25.4	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x
4Y3GL8-44 x		2-3/4	44																4Y215-44 x
4Y3GL8-45 x		2-13/16	45																4Y215-45 x
4Y3GL8-47 x		2-15/16	47																4Y215-47 x
4Y3GL8-75M x	75																		4Y215-75M x
4Y3GL8-48 x		3	48																4Y215-48 x

X indicates a 2-letter designation for lube & seals

G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

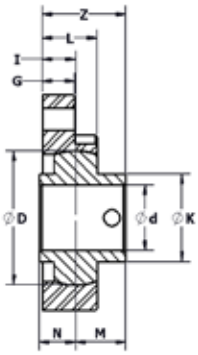
Example: GX = food grade grease with standard seals & flingers

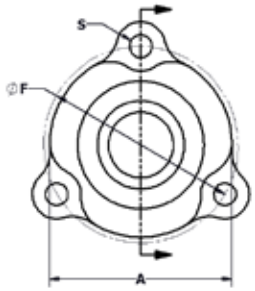
Stainless Ball Solution®
Round Three-Bolt Flange

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Round three-bolt pattern Series "22"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

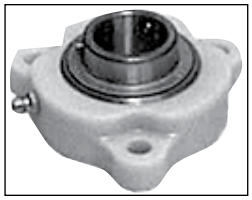
MOUNTED BEARING PART NUMBER	d			Sphere OD size					Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size		Ball bearing PN
	mm	in	16th	D	A	F	G	L	I	S	M	N	Z	K	Housing PN	SETSCREW
4Y22AA8-12M x	12			1.575	2.4	2.5	0.38	0.69	0.43	1/4	0.61	0.41	1.04	0.97	22AA	4Y203-12M x
4Y22AA8-08 x		1/2	8	40	61.0	63.5	9.5	17.5	10.9		15.5	10.4	26.4	24.6		4Y203-08 x
4Y22AA8-09 x		9/16	9													4Y203-09 x
4Y22AA8-15M x	15															4Y203-15M x
4Y22AA8-10 x		5/8	10													4Y203-10 x
4Y22AA8-17M x	17															4Y203-17M x
4Y22AA-018-12M x	12			1.575	2.4	2.39	0.38	0.69	0.43	1/4	0.61	0.41	1.04	0.97	22AA-01	4Y203-12M x
4Y22AA-018-08 x		1/2	8	40	61.0	60.7	9.5	17.5	10.9		15.5	10.4	26.4	24.6		4Y203-08 x
4Y22AA-018-09 x		9/16	9													4Y203-09 x
4Y22AA-018-15M x	15															4Y203-15M x
4Y22AA-018-10 x		5/8	10													4Y203-10 x
4Y22AA-018-17M x	17															4Y203-17M x
4Y22AB8-12M x	12			1.850	2.5	2.81	0.42	0.78	0.43	5/16	0.72	0.5	1.15	1.14	22AB	4Y204-12M x
4Y22AB8-08 x		1/2	8	47	63.5	71.4	10.7	19.8	10.9		18.3	12.7	29.2	29.0		4Y204-08 x
4Y22AB8-15M x	15															4Y204-15M x
4Y22AB8-10 x		5/8	10													4Y204-10 x
4Y22AB8-17M x	17															4Y204-17M x
4Y22AB8-11 x		11/16	11													4Y204-11 x
4Y22AB8-12 x		3/4	12													4Y204-12 x
4Y22AB8-20M x	20															4Y204-20M x
4Y22AC8-12 x		3/4	12	2.047	2.8	3	0.5	0.84	0.53	5/16	0.78	0.56	1.31	1.34	22AC	4Y205-12 x
4Y22AC8-14 x		7/8	14	52	71.1	76.2	12.7	21.3	13.5		19.8	14.2	33.3	34.0		4Y205-14 x
4Y22AC8-15 x		15/16	15													4Y205-15 x
4Y22AC8-25M x	25															4Y205-25M x
4Y22AC8-16 x		1	16													4Y205-16 x
4Y22AD8-16 x		1	16	2.441	3.31	3.56	0.58	0.98	0.6	3/8	0.87	0.63	1.47	1.59	22AD	4Y206-16 x
4Y22AD8-17 x		1-1/16	17	62	84.1	90.4	14.7	24.9	15.2		22.1	16.0	37.3	40.4		4Y206-17 x
4Y22AD8-18 x		1-1/8	18													4Y206-18 x
4Y22AD8-30M x	30															4Y206-30M x
4Y22AD8-19 x		1-3/16	19													4Y206-19 x
4Y22AD8-20 x		1-1/4	20													4Y206-20 x
4Y22AE8-19 x		1-3/16	19	2.835	3.69	3.94	0.66	1.12	0.7	3/8	1	0.69	1.70	1.84	22AE	4Y207-19 x
4Y22AE8-20 x		1-1/4	20	72	93.7	100.1	16.8	28.4	17.8		25.4	17.5	43.2	46.7		4Y207-20 x
4Y22AE8-21 x		1-5/16	21													4Y207-21 x
4Y22AE8-22 x		1-3/8	22													4Y207-22 x
4Y22AE8-35M x	35															4Y207-35M x
4Y22AE8-23 x		1-7/16	23													4Y207-23 x
4Y22AF8-23 x		1-7/16	23	3.150	3.69	3.94	0.66	1.12	0.7	3/8	1.19	0.75	1.89	2.08	22AF	4Y208-23 x
4Y22AF8-24 x		1-1/2	24	80	93.7	100.1	16.8	28.4	17.8		30.2	19.1	48.0	52.8		4Y208-24 x
4Y22AF8-40M x	40															4Y208-40M x
4Y22AG8-24 x		1-1/2	24	3.334	4.5	4.75	0.65	1.12	0.7	1/2	1.19	0.75	1.89	2.31	22AG	4Y209-24 x
4Y22AG8-26 x		1-5/8	26	85	114.3	120.7	16.5	28.4	17.8		30.2	19.1	48.0	58.7		4Y209-26 x
4Y22AG8-27 x		1-11/16	27													4Y209-27 x
4Y22AG8-28 x		1-3/4	28													4Y209-28 x
4Y22AG8-45M x	45															4Y209-45M x
4Y22AH8-28 x		1-3/4	28	3.543	4.5	5	0.63	1.13	0.72	1/2	1.28	0.75	2.00	2.45	22AH	4Y210-28 x
4Y22AH8-30 x		1-7/8	30	90	114.3	127.0	15.9	28.6	18.3		32.5	19.1	50.8	62.2		4Y210-30 x
4Y22AH8-31 x		1-15/16	31													4Y210-31 x
4Y22AH8-50M x	50															4Y210-50M x
4Y22AH8-32 x		2	32													4Y210-32 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution®
Round Three-Bolt Flange

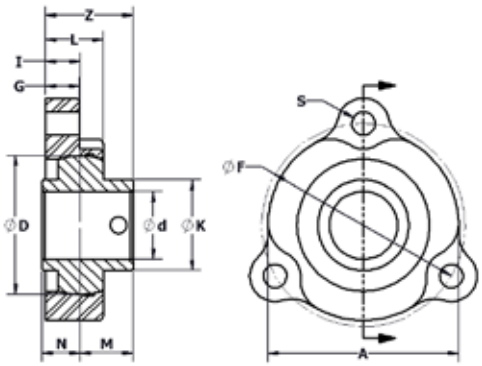
CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Round three-bolt pattern Series “22”
Polymer housing Series “G”



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals



Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size					Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y22GA8-12M x	12			1.575	2.38	2.5	0.38	0.69	0.41	1/4	0.61	0.41	1.02	0.97	22GA	4Y203-12M x
4Y22GA8-08 x		1/2	8	40	60.5	63.5	9.5	17.5	10.4		15.5	10.4	25.9	24.6		4Y203-08 x
4Y22GA8-09 x		9/16	9													4Y203-09 x
4Y22GA8-15M x	15															4Y203-15M x
4Y22GA8-10 x		5/8	10													4Y203-10 x
4Y22GA-018-17M x	17															4Y203-17M x
4Y22GA-018-12M x	12			1.575	2.38	2.39	0.38	0.69	0.41	1/4	0.61	0.41	1.02	0.97	22GA-01	4Y203-12M x
4Y22GA-018-08 x		1/2	8	40	60.5	60.7	9.5	17.5	10.4		15.5	10.4	25.9	24.6		4Y203-08 x
4Y22GA-018-09 x		9/16	9													4Y203-09 x
4Y22GA-018-15M x	15															4Y203-15M x
4Y22GA-018-10 x		5/8	10													4Y203-10 x
4Y22GA-018-17M x	17															4Y203-17M x
4Y22GB8-12M x	12			1.850	2.5	2.81	0.42	0.78	0.43	5/16	0.72	0.5	1.15	1.14	22GB	4Y204-12M x
4Y22GB8-08 x		1/2	8	47	63.5	71.4	10.7	19.8	10.9		18.3	12.7	29.2	29.0		4Y204-08 x
4Y22GB8-15M x	15															4Y204-15M x
4Y22GB8-10 x		5/8	10													4Y204-10 x
4Y22GB8-17M x	17															4Y204-17M x
4Y22GB8-11 x		11/16	11													4Y204-11 x
4Y22GB8-12 x		3/4	12													4Y204-12 x
4Y22GB8-20M x	20															4Y204-20M x
4Y22GC8-12 x		3/4	12	2.047	2.81	3	0.5	0.84	0.51	5/16	0.78	0.56	1.29	1.34	22GC	4Y205-12 x
4Y22GC8-14 x		7/8	14	52	71.4	76.2	12.7	21.3	13.0		19.8	14.2	32.8	34.0		4Y205-14 x
4Y22GC8-15 x		15/16	15													4Y205-15 x
4Y22GC8-25M x	25															4Y205-25M x
4Y22GC8-16 x		1	16													4Y205-16 x
4Y22GD8-16 x		1	16	2.441	3.31	3.56	0.58	0.98	0.58	3/8	0.87	0.63	1.45	1.59	22GD	4Y206-16 x
4Y22GD8-17 x		1-1/16	17	62	84.1	90.4	14.7	24.9	14.7		22.1	16.0	36.8	40.4		4Y206-17 x
4Y22GD8-18 x		1-1/8	18													4Y206-18 x
4Y22GD8-30M x	30															4Y206-30M x
4Y22GD8-19 x		1-3/16	19													4Y206-19 x
4Y22GD8-20 x		1-1/4	20													4Y206-20 x
4Y22GE8-19 x		1-3/16	19	2.835	3.69	3.94	0.66	1.08	0.68	3/8	1	0.69	1.68	1.84	22GE	4Y207-19 x
4Y22GE8-20 x		1-1/4	20	72	93.7	100.1	16.8	27.4	17.3		25.4	17.5	42.7	46.7		4Y207-20 x
4Y22GE8-21 x		1-5/16	21													4Y207-21 x
4Y22GE8-22 x		1-3/8	22													4Y207-22 x
4Y22GE8-35M x	35															4Y207-35M x
4Y22GE8-23 x		1-7/16	23													4Y207-23 x

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

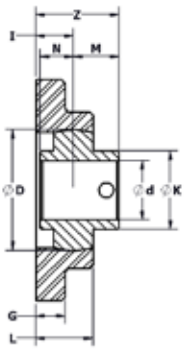
Stainless Ball Solution® Four-Bolt Flange

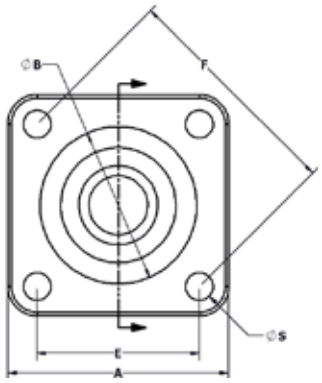
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals





Stainless Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y4AA8-12M x	12			1.575	3	2.15	2.13	3.01	0.44	0.85	0.53	3/8"	0.61	0.41	1.14	0.97	4AA	4Y203-12M x
4Y4AA8-08 x		1/2	8	40	76.2	54.6	54.1	76.5	11.2	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x
4Y4AA8-09 x		9/16	9															4Y203-09 x
4Y4AA8-15M x	15																	4Y203-15M x
4Y4AA8-10 x		5/8	10															4Y203-10 x
4Y4AA8-17M x	17																	4Y203-17M x
4Y4AB8-12M x	12			1.850	3.38	2.42	2.5	3.54	0.44	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	4AB	4Y204-12M x
4Y4AB8-08 x		1/2	8	47	85.9	61.5	63.5	89.9	11.2	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x
4Y4AB8-15M x	15																	4Y204-15M x
4Y4AB8-10 x		5/8	10															4Y204-10 x
4Y4AB8-17M x	17																	4Y204-17M x
4Y4AB8-11 x		11/16	11															4Y204-11 x
4Y4AB8-12 x		3/4	12															4Y204-12 x
4Y4AB8-20M x	20																	4Y204-20M x
4Y4AC8-12 x		3/4	12	2.047	3.75	2.66	2.75	3.89	0.5	0.97	0.64	7/16"	0.78	0.56	1.42	1.34	4AC	4Y205-12 x
4Y4AC8-14 x		7/8	14	52	95.3	67.6	69.9	98.8	12.7	24.6	16.3		19.8	14.2	36.1	34.0		4Y205-14 x
4Y4AC8-15 x		15/16	15															4Y205-15 x
4Y4AC8-25M x	25																	4Y205-25M x
4Y4AC8-16 x		1	16															4Y205-16 x
4Y4AD8-16 x		1	16	2.441	4.25	3.13	3.25	4.6	0.5	1.07	0.66	7/16"	0.87	0.63	1.53	1.59	4AD	4Y206-16 x
4Y4AD8-17 x		1-1/16	17	62	108.0	79.5	82.6	116.8	12.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x
4Y4AD8-18 x		1-1/8	18															4Y206-18 x
4Y4AD8-30M x	30																	4Y206-30M x
4Y4AD8-19 x		1-3/16	19															4Y206-19 x
4Y4AD8-20 x		1-1/4	20															4Y206-20 x
4Y4AE8-19 x		1-3/16	19	2.835	4.75	3.63	3.63	5.13	0.56	1.22	0.79	1/2"	1	0.69	1.79	1.84	4AE	4Y207-19 x
4Y4AE8-20 x		1-1/4	20	72	120.7	92.2	92.2	130.3	14.2	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y4AE8-21 x		1-5/16	21															4Y207-21 x
4Y4AE8-22 x		1-3/8	22															4Y207-22 x
4Y4AE8-35M x	35																	4Y207-35M x
4Y4AE8-23 x		1-7/16	23															4Y207-23 x
4Y4AF8-23 x		1-7/16	23	3.150	5.13	4	4	5.66	0.56	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	4AF	4Y208-23 x
4Y4AF8-24 x		1-1/2	24	80	130.3	101.6	101.6	143.8	14.2	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x
4Y4AF8-40M x	40																	4Y208-40M x
4Y4AG8-24 x		1-1/2	24	3.346	5.25	4.25	4.13	5.83	0.63	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	4AG	4Y209-24 x
4Y4AG8-26 x		1-5/8	26	85	133.4	108.0	104.9	148.1	16.0	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x
4Y4AG8-27 x		1-11/16	27															4Y209-27 x
4Y4AG8-28 x		1-3/4	28															4Y209-28 x
4Y4AG8-45M x	45																	4Y209-45M x
4Y4AH8-28 x		1-3/4	28	3.543	5.5	4.56	4.38	6.19	0.63	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	4AH	4Y210-28 x
4Y4AH8-30 x		1-7/8	30	90	139.7	115.8	111.3	157.2	16.0	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x
4Y4AH8-31 x		1-15/16	31															4Y210-31 x
4Y4AH8-50M x	50																	4Y210-50M x
4Y4AH8-32 x		2	32															4Y210-32 x
4Y4AI8-32 x		2	32	3.937	6.5	5.06	5.13	7.25	0.69	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	4AI	4Y211-32 x
4Y4AI8-55M x	55			100	165.1	128.5	130.3	184.2	17.5	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x
4Y4AI8-35 x		2-3/16	35															4Y211-35 x
4Y4AI8-36 x		2-1/4	36															4Y211-36 x
4Y4AJ8-36 x		2-1/4	36	4.331	7	5.63	5.63	7.96	0.69	1.66	1.07	5/8"	1.56	1	2.63	3.03	4AJ	4Y212-36 x
4Y4AJ8-60M x	60			110	177.8	143.0	143.0	202.2	17.5	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x
4Y4AJ8-39 x		2-7/16	39															4Y212-39 x
4Y4AK8-39 x		2-7/16	39	4.921	7.25	6.44	5.88	8.31	0.75	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	4AK	4Y214-39 x
4Y4AK8-40 x		2-1/2	40	125	184.2	163.6	149.4	211.1	19.1	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y4AK8-70M x	70																	4Y214-70M x
4Y4AK8-44 x		2-3/4	44															4Y214-44 x
4Y4AL8-40 x				5.128	7.62	6.5	6	8.49	1	1.98	1.39	3/4"	1.75	1.31	3.14	3.6	4AL	4Y215-40 x
4Y4AL8-43 x		2-11/16	43	130	193.5	165.1	152.4	215.6	25.4	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x
4Y4AL8-44 x		2-3/4	44															4Y215-44 x
4Y4AL8-45 x		2-13/16	45															4Y215-45 x
4Y4AL8-47 x		2-15/16	47															4Y215-47 x
4Y4AL8-75M x	75																	4Y215-75M x
4Y4AL8-48 x		3	48															4Y215-48 x

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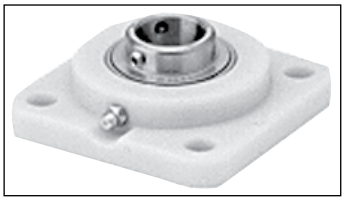
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

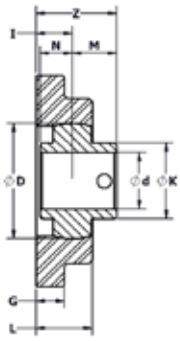
Stainless Ball Solution®
Four-Bolt Flange

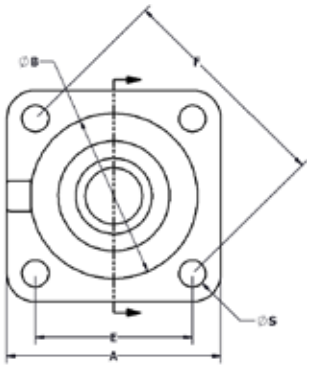
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4"
Polymer housing Series "G"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K	PN	SETSCREW
4Y4GA8-12M x	12			1.575	3	2.15	2.13	3.01	0.44	0.85	0.53	3/8"	0.61	0.41	1.14	0.97	4GA	4Y203-12M x
4Y4GA8-08 x		1/2	8	40	76.2	54.6	54.1	76.5	11.2	21.6	13.5		15.5	10.4	29.0	24.6		4Y203-08 x
4Y4GA8-09 x		9/16	9															4Y203-09 x
4Y4GA8-15M x	15																	4Y203-15M x
4Y4GA8-10 x		5/8	10															4Y203-10 x
4Y4GA8-17M x	17																	4Y203-17M x
4Y4GB8-12M x	12			1.850	3.38	2.69	2.5	3.54	0.44	0.95	0.59	3/8"	0.72	0.5	1.31	1.14	4GB	4Y204-12M x
4Y4GB8-08 x		1/2	8	47	85.9	68.3	63.5	89.9	11.2	24.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x
4Y4GB8-15M x	15																	4Y204-15M x
4Y4GB8-10 x		5/8	10															4Y204-10 x
4Y4GB8-17M x	17																	4Y204-17M x
4Y4GB8-11 x		11/16	11															4Y204-11 x
4Y4GB8-12 x		3/4	12															4Y204-12 x
4Y4GB8-20M x	20																	4Y204-20M x
4Y4GC8-12 x		3/4	12	2.047	3.75	2.93	2.75	3.89	0.5	0.99	0.64	7/16"	0.78	0.56	1.42	1.34	4GC	4Y205-12 x
4Y4GC8-14 x		7/8	14	52	95.3	74.4	69.9	98.8	12.7	25.1	16.3		19.8	14.2	36.1	34.0		4Y205-14 x
4Y4GC8-15 x		15/16	15															4Y205-15 x
4Y4GC8-25M x	25																	4Y205-25M x
4Y4GC8-16 x		1	16															4Y205-16 x
4Y4GD8-16 x		1	16	2.441	4.25	3.63	3.25	4.6	0.5	1.07	0.66	7/16"	0.87	0.63	1.53	1.59	4GD	4Y206-16 x
4Y4GD8-17 x		1-1/16	17	62	108.0	92.2	82.6	116.8	12.7	27.2	16.8		22.1	16.0	38.9	40.4		4Y206-17 x
4Y4GD8-18 x		1-1/8	18															4Y206-18 x
4Y4GD8-30M x	30																	4Y206-30M x
4Y4GD8-19 x		1-3/16	19															4Y206-19 x
4Y4GD8-20 x		1-1/4	20															4Y206-20 x
4Y4GE8-19 x		1-3/16	19	2.835	4.75	4	3.63	5.13	0.56	1.22	0.79	1/2"	1	0.69	1.79	1.84	4GE	4Y207-19 x
4Y4GE8-20 x		1-1/4	20	72	120.7	101.6	92.2	130.3	14.2	31.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y4GE8-21 x		1-5/16	21															4Y207-21 x
4Y4GE8-22 x		1-3/8	22															4Y207-22 x
4Y4GE8-35M x	35																	4Y207-35M x
4Y4GE8-23 x		1-7/16	23															4Y207-23 x
4Y4GF8-23 x		1-7/16	23	3.150	5.13	4.56	4	5.66	0.56	1.24	0.77	1/2"	1.19	0.75	1.96	2.08	4GF	4Y208-23 x
4Y4GF8-24 x		1-1/2	24	80	130.3	115.8	101.6	143.8	14.2	31.5	19.6		30.2	19.1	49.8	52.8		4Y208-24 x
4Y4GF8-40M x	40																	4Y208-40M x
4Y4GG8-24 x		1-1/2	24	3.346	5.25	4.74	4.13	5.83	0.63	1.24	0.76	1/2"	1.19	0.75	1.95	2.31	4GG	4Y209-24 x
4Y4GG8-26 x		1-5/8	26	85	133.4	120.4	104.9	148.1	16.0	31.5	19.3		30.2	19.1	49.5	58.7		4Y209-26 x
4Y4GG8-27 x		1-11/16	27															4Y209-27 x
4Y4GG8-28 x		1-3/4	28															4Y209-28 x
4Y4GG8-45M x	45																	4Y209-45M x
4Y4GH8-28 x		1-3/4	28	3.543	5.5	5.06	4.38	6.19	0.63	1.24	0.77	1/2"	1.28	0.75	2.05	2.45	4GH	4Y210-28 x
4Y4GH8-30 x		1-7/8	30	90	139.7	128.5	111.3	157.2	16.0	31.5	19.6		32.5	19.1	52.1	62.2		4Y210-30 x
4Y4GH8-31 x		1-15/16	31															4Y210-31 x
4Y4GH8-50M x	50																	4Y210-50M x
4Y4GH8-32 x		2	32															4Y210-32 x
4Y4GI8-32 x		2	32	3.937	6.5	5.88	5.13	7.25	0.69	1.47	0.92	5/8"	1.32	0.87	2.24	2.76	4GI	4Y211-32 x
4Y4GI8-55M x	55			100	165.1	149.4	130.3	184.2	17.5	37.3	23.4		33.5	22.1	56.9	70.1		4Y211-55M x
4Y4GI8-35 x		2-3/16	35															4Y211-35 x
4Y4GI8-36 x		2-1/4	36															4Y211-36 x
4Y4GJ8-36 x		2-1/4	36	4.331	7	6.56	5.62	7.96	0.69	1.66	1.07	5/8"	1.56	1	2.63	3.03	4GJ	4Y212-36 x
4Y4GJ8-60M x	60			110	177.8	166.6	142.7	202.2	17.5	42.2	27.2		39.6	25.4	66.8	77.0		4Y212-60M x
4Y4GJ8-39 x		2-7/16	39															4Y212-39 x
4Y4GK8-39 x		2-7/16	39	4.921	6.94	6.44	5.87	8.31	0.75	1.86	1.25	5/8"	1.75	1.19	3.00	3.43	4GK	4Y214-39 x
4Y4GK8-40 x		2-1/2	40	125	176.3	163.6	149.1	211.1	19.1	47.2	31.8		44.5	30.2	76.2	87.1		4Y214-40 x
4Y4GK8-70M x	70																	4Y214-70M x
4Y4GK8-44 x		2-3/4	44															4Y214-44 x
4Y4GL8-40 x				5.128	7.63	6.94	6	8.49	1	1.98	1.39	3/4"	1.75	1.31	3.14	3.6	4GL	4Y215-40
4Y4GL8-43 x		2-11/16	43	130	193.8	176.3	152.4	215.6	25.4	50.3	35.3		44.5	33.3	79.8	91.4		4Y215-43 x
4Y4GL8-44 x		2-3/4	44															4Y215-44 x
4Y4GL8-45 x		2-13/16	45															4Y215-45 x
4Y4GL8-47 x		2-15/16	47															4Y215-47 x
4Y4GL8-75M x	75																	4Y215-75M x
4Y4GL8-48 x		3	48															4Y215-48 x

X indicates a 2-letter designation for lube & seals

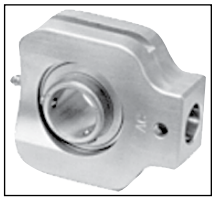
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

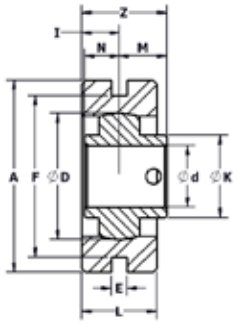
Stainless Ball Solution®
Take Up Bearing, Narrow

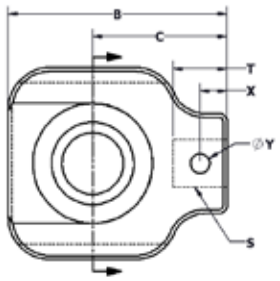
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Take up bearing pattern Series "5"
Stainless housing Series "A"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph. depth	Hole size				Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K		SETSCREW
4Y5AA8-12M x	12			1.575	2.5	2.69	1.69	0.26	2	0.88	0.44	17/32	0.63	0.31	0.25	0.61	0.41	1.05	0.97	5AA	4Y203-12M x
4Y5AA8-08 x		1/2	8	40	63.5	68.3	42.9		50.8	22.4	11.2		16.0	7.9		15.5	10.4	26.7	24.6		4Y203-08 x
4Y5AA8-09 x		9/16	9																		4Y203-09 x
4Y5AA8-15M x	15																				4Y203-15M x
4Y5AA8-10 x		5/8	10																		4Y203-10 x
4Y5AA8-17M x	17																				4Y203-17M x
4Y5AB8-12M x	12			1.850	3.13	3.44	2.19	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	0.72	0.5	1.33	1.14	5AB	4Y204-12M x
4Y5AB8-08 x		1/2	8	47	79.5	87.4	55.6		66.8	31.0	15.5		22.4	11.2		18.3	12.7	33.8	29.0		4Y204-08 x
4Y5AB8-15M x	15																				4Y204-15M x
4Y5AB8-10 x		5/8	10																		4Y204-10 x
4Y5AB8-17M x	17																				4Y204-17M x
4Y5AB8-11 x		11/16	11																		4Y204-11 x
4Y5AB8-12 x		3/4	12																		4Y204-12 x
4Y5AB8-20M x	20																				4Y204-20M x
4Y5AC8-12 x		3/4	12	2.047	3.13	3.56	2.19	0.26	2.63	1.22	0.61	25/32	0.88	0.44	0.31	0.78	0.56	1.39	1.34	5AC	4Y205-12 x
4Y5AC8-14 x		7/8	14	52	79.5	90.4	55.6		66.8	31.0	15.5		22.4	11.2		19.8	14.2	35.3	34.0		4Y205-14 x
4Y5AC8-15 x		15/16	15																		4Y205-15 x
4Y5AC8-25M x	25																				4Y205-25M x
4Y5AC8-16 x		1	16																		4Y205-16 x
4Y5AD8-16 x		1	16	2.441	4.13	4.31	2.69	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	0.87	0.63	1.48	1.59	5AD	4Y206-16 x
4Y5AD8-17 x		1-1/16	17	62	104.9	109.5	68.3		88.9	31.0	15.5		25.4	12.7		22.1	16.0	37.6	40.4		4Y206-17 x
4Y5AD8-18 x		1-1/8	18																		4Y206-18 x
4Y5AD8-30M x	30																				4Y206-30M x
4Y5AD8-19 x		1-3/16	19																		4Y206-19 x
4Y5AD8-20 x		1-1/4	20																		4Y206-20 x
4Y5AE8-19 x		1-3/16	19	2.835	4.13	4.5	2.69	0.26	3.5	1.22	0.61	25/32	1	0.5	0.31	1	0.69	1.61	1.84	5AE	4Y207-19 x
4Y5AE8-20 x		1-1/4	20	72	104.9	114.3	68.3		88.9	31.0	15.5		25.4	12.7		25.4	17.5	40.9	46.7		4Y207-20 x
4Y5AE8-21 x		1-5/16	21																		4Y207-21 x
4Y5AE8-22 x		1-3/8	22																		4Y207-22 x
4Y5AE8-35M x	35																				4Y207-35M x
4Y5AE8-23 x		1-7/16	23																		4Y207-23 x
4Y5AF8-23 x		1-7/16	23	3.150	4.75	5.38	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.19	0.75	1.93	2.08	5AF	4Y208-23 x
4Y5AF8-24 x		1-1/2	24	80	120.7	136.7	82.6		101.6	37.3	18.7		29.5	16.8		30.2	19.1	48.9	52.8		4Y208-24 x
4Y5AF8-40M x	40																				4Y208-40M x
4Y5AG8-24 x		1-1/2	24	3.346	4.75	5.44	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.19	0.75	1.93	2.31	5AG	4Y209-24 x
4Y5AG8-26 x		1-5/8	26	85	120.7	138.2	82.6		101.6	37.3	18.7		29.5	16.8		30.2	19.1	48.9	58.7		4Y209-26 x
4Y5AG8-27 x		1-11/16	27																		4Y209-27 x
4Y5AG8-28 x		1-3/4	28																		4Y209-28 x
4Y5AG8-45M x	45																				4Y209-45M x
4Y5AH8-28 x		1-3/4	28	3.543	4.75	5.5	3.25	0.32	4	1.47	0.74	29/32	1.16	0.66	0.38	1.28	0.75	2.02	2.45	5AH	4Y210-28 x
4Y5AH8-30 x		1-7/8	30	90	120.7	139.7	82.6		101.6	37.3	18.7		29.5	16.8		32.5	19.1	51.2	62.2		4Y210-30 x
4Y5AH8-31 x		1-15/16	31																		4Y210-31 x
4Y5AH8-50M x	50																				4Y210-50M x
4Y5AH8-32 x		2	32																		4Y210-32 x
4Y5AI8-32 x		2	32	3.937	5.38	6.13	3.63	0.32	4.44	1.72	0.86	1-1/32	1.28	0.69	0.44	1.32	0.87	2.18	2.76	5AI	4Y211-32 x
4Y5AI8-55M x	55			100	136.7	155.7	92.2		112.8	43.7	21.8		32.5	17.5		33.5	22.1	55.4	70.1		4Y211-55M x
4Y5AI8-35 x		2-3/16	35																		4Y211-35 x
4Y5AI8-36 x		2-1/4	36																		4Y211-36 x
4Y5AJ8-36 x		2-1/4	36	4.331	5.75	6.69	3.88	0.32	4.94	1.72	0.86	1-1/32	1.28	0.69	0.44	1.56	1	2.42	3.03	5AJ	4Y212-36 x
4Y5AJ8-60M x	60			110	146.1	169.9	98.6		125.5	43.7	21.8		32.5	17.5		39.6	25.4	61.5	77.0		4Y212-60M x
4Y5AJ8-39 x		2-7/16	39																		4Y212-39 x
4Y5AK8-39 x		2-7/16	39	4.921	6.38	7.38	4.31	0.38	5.5	1.88	0.94	1-9/32	1.5	0.75	0.5	1.75	1.19	2.69	3.43	5AK	4Y214-39 x
4Y5AK8-40 x		2-1/2	40	125	162.1	187.5	109.5		139.7	47.8	23.9		38.1	19.1		44.5	30.2	68.3	87.1		4Y214-40 x
4Y5AK8-70M x	70																				4Y214-70M x
4Y5AK8-44 x		2-3/4	44																		4Y214-44 x
4Y5AL8-40 x				5.128	6.75	7.69	4.44	0.38	5.88	1.88	0.94	1-9/32	1.5	0.75	0.5	1.75	1.31	2.69	3.6	5AL	4Y215-40
4Y5AL8-43 x		2-11/16	43	130	171.5	195.3	112.8		149.4	47.8	23.9		38.1	19.1		44.5	33.3	68.3	91.4		4Y215-43 x
4Y5AL8-44 x		2-3/4	44																		4Y215-44 x
4Y5AL8-45 x		2-13/16	45																		4Y215-45 x
4Y5AL8-47 x		2-15/16	47																		4Y215-47 x
4Y5AL8-75M x	75																				4Y215-75M x
4Y5L8-48 x		3	48																		4Y215-48 x

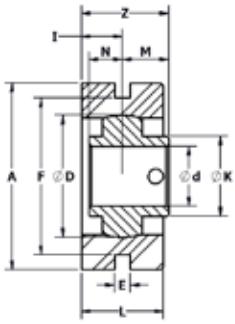
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

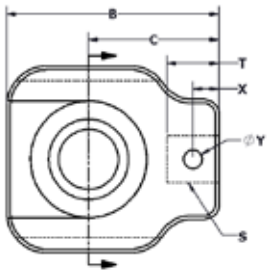
Stainless Ball Solution®
Take Up Bearing, Narrow

CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Take up bearing pattern Series “5”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph. depth	Hole size				Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K		SETSCREW
4Y5GA8-12M x	12			1.575	2.5	2.69	1.69	0.26	2	1	0.5	17/32	0.63	0.31	0.25	0.61	0.41	1.11	0.97	5GA	4Y203-12M x
4Y5GA8-08 x		1/2	8	40	63.5	68.3	42.9		50.8	25.4	12.7		16.0	7.9		15.5	10.4	28.2	24.6		4Y203-08 x
4Y5GA8-09 x		9/16	9																		4Y203-09 x
4Y5GA8-15M x	15																				4Y203-15M x
4Y5GA8-10 x		5/8	10																		4Y203-10 x
4Y5GA8-17M x	17																				4Y203-17M x
4Y5GB8-12M x	12			1.850	3.13	3.44	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	0.72	0.5	1.41	1.14	5GB	4Y204-12M x
4Y5GB8-08 x		1/2	8	47	79.5	87.4	55.6		66.8	34.9	17.5		22.4	11.2		18.3	12.7	35.8	29.0		4Y204-08 x
4Y5GB8-15M x	15																				4Y204-15M x
4Y5GB8-10 x		5/8	10																		4Y204-10 x
4Y5GB8-17M x	17																				4Y204-17M x
4Y5GB8-11 x		11/16	11																		4Y204-11 x
4Y5GB8-12 x		3/4	12																		4Y204-12 x
4Y5GB8-20M x	20																				4Y204-20M x
4Y5GC8-12 x		3/4	12	2.047	3.13	3.56	2.19	0.26	2.63	1.38	0.69	25/32	0.88	0.44	0.31	0.78	0.56	1.47	1.34	5GC	4Y205-12 x
4Y5GC8-14 x		7/8	14	52	79.5	90.4	55.6		66.8	34.9	17.5		22.4	11.2		19.8	14.2	37.3	34.0		4Y205-14 x
4Y5GC8-15 x		15/16	15																		4Y205-15 x
4Y5GC8-25M x	25																				4Y205-25M x
4Y5GC8-16 x		1	16																		4Y205-16 x
4Y5GD8-16 x		1	16	2.441	4.13	4.31	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	0.87	0.63	1.56	1.59	5GD	4Y206-16 x
4Y5GD8-17 x		1-1/16	17	62	104.9	109.5	68.3		88.9	34.9	17.5		25.4	12.7		22.1	16.0	39.6	40.4		4Y206-17 x
4Y5GD8-18 x		1-1/8	18																		4Y206-18 x
4Y5GD8-30M x	30																				4Y206-30M x
4Y5GD8-19 x		1-3/16	19																		4Y206-19 x
4Y5GD8-20 x		1-1/4	20																		4Y206-20 x
4Y5GE8-19 x		1-3/16	19	2.835	4.13	4.5	2.69	0.26	3.5	1.38	0.69	25/32	1	0.5	0.31	1	0.69	1.69	1.84	5GE	4Y207-19 x
4Y5GE8-20 x		1-1/4	20	72	104.9	114.3	68.3		88.9	34.9	17.5		25.4	12.7		25.4	17.5	42.9	46.7		4Y207-20 x
4Y5GE8-21 x		1-5/16	21																		4Y207-21 x
4Y5GE8-22 x		1-3/8	22																		4Y207-22 x
4Y5GE8-35M x	35																				4Y207-35M x
4Y5GE8-23 x		1-7/16	23																		4Y207-23 x
4Y5GF8-23 x		1-7/16	23	3.150	4.75	5.38	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.19	0.75	2.00	2.08	5GF	4Y208-23 x
4Y5GF8-24 x		1-1/2	24	80	120.7	136.7	82.6		101.6	41.3	20.6		29.5	16.8		30.2	19.1	50.9	52.8		4Y208-24 x
4Y5GF8-40M x	40																				4Y208-40M x
4Y5GG8-24 x		1-1/2	24	3.346	4.75	5.44	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.19	0.75	2.00	2.31	5GG	4Y209-24 x
4Y5GG8-26 x		1-5/8	26	85	120.7	138.2	82.6		101.6	41.3	20.6		29.5	16.8		30.2	19.1	50.9	58.7		4Y209-26 x
4Y5GG8-27 x		1-11/16	27																		4Y209-27 x
4Y5GG8-28 x		1-3/4	28																		4Y209-28 x
4Y5GG8-45M x	45																				4Y209-45M x
4Y5GH8-28 x		1-3/4	28	3.543	4.75	5.5	3.25	0.32	4	1.63	0.81	29/32	1.16	0.66	0.38	1.28	0.75	2.09	2.45	5GH	4Y210-28 x
4Y5GH8-30 x		1-7/8	30	90	120.7	139.7	82.6		101.6	41.3	20.6		29.5	16.8		32.5	19.1	53.1	62.2		4Y210-30 x
4Y5GH8-31 x		1-15/16	31																		4Y210-31 x
4Y5GH8-50M x	50																				4Y210-50M x
4Y5GH8-32 x		2	32																		4Y210-32 x
4Y5GI8-32 x		2	32	3.937	5.38	6.13	3.63	0.32	4.44	1.75	0.88	1-1/32	1.28	0.69	0.44	1.32	0.87	2.20	2.76	5GI	4Y211-32 x
4Y5GI8-55M x	55			100	136.7	155.7	92.2		112.8	44.5	22.2		32.5	17.5		33.5	22.1	55.8	70.1		4Y211-55M x
4Y5GI8-35 x		2-3/16	35																		4Y211-35 x
4Y5GI8-36 x		2-1/4	36																		4Y211-36 x
4Y5GJ8-36 x		2-1/4	36	4.331	5.75	6.69	3.88	0.32	4.94	1.75	0.88	1-1/32	1.28	0.69	0.44	1.56	1	2.44	3.03	5GJ	4Y212-36 x
4Y5GJ8-60M x	60			110	146.1	169.9	98.6		125.5	44.5	22.2		32.5	17.5		39.6	25.4	61.8	77.0		4Y212-60M x
4Y5GJ8-39 x		2-7/16	39																		4Y212-39 x
4Y5GK8-39 x		2-7/16	39	4.921	6.38	7.38	4.31	0.38	5.5	2	1.00	1-9/32	1.5	0.75	0.5	1.75	1.19	2.75	3.43	5GK	4Y214-39 x
4Y5GK8-40 x		2-1/2	40	125	162.1	187.5	109.5		139.7	50.8	25.4		38.1	19.1		44.5	30.2	69.9	87.1		4Y214-40 x
4Y5GK8-70M x	70																				4Y214-70M x
4Y5GK8-44 x		2-3/4	44																		4Y214-44 x
4Y5GL8-40 x				5.128	6.75	7.69	4.44	0.38	5.88	2	1.00	1-9/32	1.5	0.75	0.5	1.75	1.31	2.75	3.6	5GL	4Y215-40
4Y5GL8-43 x		2-11/16	43	130	171.5	195.3	112.8		149.4	50.8	25.4		38.1	19.1		44.5	33.3	69.9	91.4		4Y215-43 x
4Y5GL8-44 x		2-3/4	44																		4Y215-44 x
4Y5GL8-45 x		2-13/16	45																		4Y215-45 x
4Y5GL8-47 x		2-15/16	47																		4Y215-47 x
4Y5GL8-75M x	75																				4Y215-75M x
4Y5G8-48 x		3	48																		4Y215-48 x

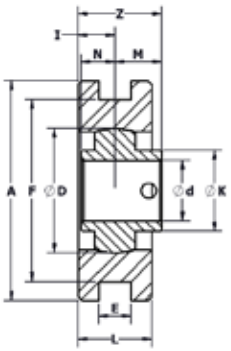
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

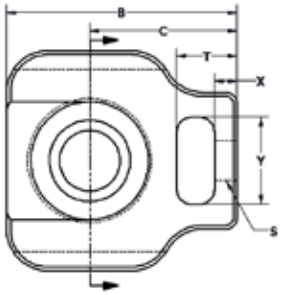
Stainless Ball Solution®
Take Up Bearing, Wide

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Take up bearing pattern Series "7"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Hole size				Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K		SETSCREW
4Y7AA8-12M x	12			1.575	3	3.13	2	0.42	2.5	0.97	0.49	17/32	0.81	0.31	1.25	0.61	0.41	1.10	0.97	7AA	4Y203-12M x
4Y7AA8-08 x		1/2	8	40	76.2	79.5	50.8	10.7	63.5	24.6	12.3		20.6	7.9	31.8	15.5	10.4	27.8	24.6		4Y203-08 x
4Y7AA8-09 x		9/16	9																		4Y203-09 x
4Y7AA8-15M x	15																				4Y203-15M x
4Y7AA8-10 x		5/8	10																		4Y203-10 x
4Y7AA8-17M x	17																				4Y203-17M x
4Y7AB8-12M x	12			1.850	3.63	3.69	2.38	0.54	3	1.22	0.61	21/32	1	0.38	1.44	0.72	0.5	1.33	1.14	7AB	4Y204-12M x
4Y7AB8-08 x		1/2	8	47	92.2	93.7	60.5	13.7	76.2	31.0	15.5		25.4	9.7	36.6	18.3	12.7	33.8	29.0		4Y204-08 x
4Y7AB8-15M x	15																				4Y204-15M x
4Y7AB8-10 x		5/8	10																		4Y204-10 x
4Y7AB8-17M x	17																				4Y204-17M x
4Y7AB8-11 x		11/16	11																		4Y204-11 x
4Y7AB8-12 x		3/4	12																		4Y204-12 x
4Y7AB8-20M x	20																				4Y204-20M x
4Y7AC8-12 x		3/4	12	2.047	3.63	3.81	2.44	0.54	3	1.22	0.61	21/32	1	0.38	1.44	0.78	0.56	1.39	1.34	7AC	4Y205-12 x
4Y7AC8-14 x		7/8	14	52	92.2	96.8	62.0	13.7	76.2	31.0	15.5		25.4	9.7	36.6	19.8	14.2	35.3	34.0		4Y205-14 x
4Y7AC8-15 x		15/16	15																		4Y205-15 x
4Y7AC8-25M x	25																				4Y205-25M x
4Y7AC8-16 x		1	16																		4Y205-16 x
4Y7AD8-16 x		1	16	2.441	4.13	4.38	2.75	0.54	3.5	1.47	0.74	25/32	1.16	0.38	1.63	0.87	0.63	1.61	1.59	7AD	4Y206-16 x
4Y7AD8-17 x		1-1/16	17	62	104.9	111.3	69.9	13.7	88.9	37.3	18.7		29.5	9.7	41.4	22.1	16.0	40.8	40.4		4Y206-17 x
4Y7AD8-18 x		1-1/8	18																		4Y206-18 x
4Y7AD8-30M x	30																				4Y206-30M x
4Y7AD8-19 x		1-3/16	19																		4Y206-19 x
4Y7AD8-20 x		1-1/4	20																		4Y206-20 x
4Y7AE8-19 x		1-3/16	19	2.835	4.13	4.81	3	0.54	3.5	1.47	0.74	25/32	1.16	0.38	1.63	1	0.69	1.74	1.84	7AE	4Y207-19 x
4Y7AE8-20 x		1-1/4	20	72	104.9	122.2	76.2	13.7	88.9	37.3	18.7		29.5	9.7	41.4	25.4	17.5	44.1	46.7		4Y207-20 x
4Y7AE8-21 x		1-5/16	21																		4Y207-21 x
4Y7AE8-22 x		1-3/8	22																		4Y207-22 x
4Y7AE8-35M x	35																				4Y207-35M x
4Y7AE8-23 x		1-7/16	23																		4Y207-23 x
4Y7AF8-23 x		1-7/16	23	3.150	4.5	5.5	3.44	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.08	7AF	4Y208-23 x
4Y7AF8-24 x		1-1/2	24	80	114.3	139.7	87.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	52.8		4Y208-24 x
4Y7AF8-40M x	40																				4Y208-40M x
4Y7AG8-24 x		1-1/2	24	3.346	4.63	5.69	3.5	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.31	7AG	4Y209-24 x
4Y7AG8-26 x		1-5/8	26	85	117.6	144.5	88.9	17.8	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	58.7		4Y209-26 x
4Y7AG8-27 x		1-11/16	27																		4Y209-27 x
4Y7AG8-28 x		1-3/4	28																		4Y209-28 x
4Y7AG8-45M x	45																				4Y209-45M x
4Y7AH8-28 x		1-3/4	28	3.543	4.75	5.81	3.56	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.28	0.75	2.22	2.45	7AH	4Y210-28 x
4Y7AH8-30 x		1-7/8	30	90	120.7	147.6	90.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	32.5	19.1	56.4	62.2		4Y210-30 x
4Y7AH8-31 x		1-15/16	31																		4Y210-31 x
4Y7AH8-50M x	50																				4Y210-50M x
4Y7AH8-32 x		2	32																		4Y210-32 x
4Y7AI8-32 x		2	32	3.937	5.88	7	4.5	1.07	5.13	1.97	0.99	1-5/16	1.97	0.72	2.5	1.32	0.87	2.31	2.76	7AI	4Y211-32 x
4Y7AI8-55M x	55			100	149.4	177.8	114.3	27.2	130.3	50.0	25.0		50.0	18.3	63.5	33.5	22.1	58.5	70.1		4Y211-55M x
4Y7AI8-35 x		2-3/16	35																		4Y211-35 x
4Y7AI8-36 x		2-1/4	36																		4Y211-36 x
4Y7AJ8-36 x		2-1/4	36	4.331	5.88	7.5	4.69	1.07	5.13	1.97	0.99	1-5/16	1.97	0.72	2.5	1.56	1	2.55	3.03	7AJ	4Y212-36 x
4Y7AJ8-60M x	60			110	149.4	190.5	119.1	27.2	130.3	50.0	25.0		50.0	18.3	63.5	39.6	25.4	64.6	77.0		4Y212-60M x
4Y7AJ8-39 x		2-7/16	39																		4Y212-39 x
4Y7AK8-39 x		2-7/16	39	4.921	6.69	8.88	5.38	1.07	5.94	1.97	0.99	1-9/16	2.31	0.81	2.88	1.75	1.19	2.74	3.43	7AK	4Y214-39 x
4Y7AK8-40 x		2-1/2	40	125	169.9	225.6	136.7	27.2	150.9	50.0	25.0		58.7	20.6	73.2	44.5	30.2	69.5	87.1		4Y214-40 x
4Y7AK8-70M x	70																				4Y214-70M x
4Y7AK8-44 x		2-3/4	44																		4Y214-44 x
4Y7AL8-40 x				5.128	6.69	9.13	5.5	1.07	5.94	1.97	0.99	1-9/16	2.31	0.81	2.88	1.75	1.31	2.74	3.6	7AL	4Y215-40
4Y7AL8-43 x		2-11/16	43	130	169.9	231.9	139.7	27.2	150.9	50.0	25.0		58.7	20.6	73.2	44.5	33.3	69.5	91.4		4Y215-43 x
4Y7AL8-44 x		2-3/4	44																		4Y215-44 x
4Y7AL8-45 x		2-13/16	45																		4Y215-45 x
4Y7AL8-47 x		2-15/16	47																		4Y215-47 x
4Y7AL8-75M x	75																				4Y215-75M x
4Y7AL8-48 x		3	48																		4Y215-48 x

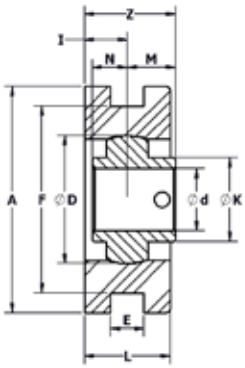
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

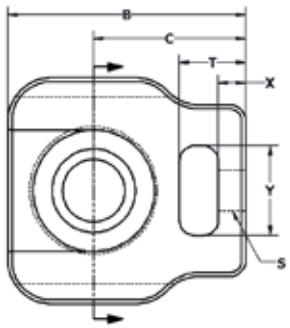
Stainless Ball Solution®
Take Up Bearing, Wide

CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Take up bearing pattern Series “7”
Polymer housing Series “G”

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

“x” indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Hole size				Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	L	I	S	T	X	Y	M	N	Z	K		SETSCREW
4Y7GA8-12M x	12			1.58	3	3.13	2	0.42	2.5	1.13	0.56	17/32	0.88	0.38	1.25	0.61	0.41	1.17	0.97	7GA	4Y203-12M x
4Y7GA8-08 x		1/2	8	40.1	76.2	79.5	50.8	10.7	63.5	28.6	14.3		22.4	9.7	31.8	15.5	10.4	29.8	24.6		4Y203-08 x
4Y7GA8-09 x		9/16	9																		4Y203-09 x
4Y7GA8-15M x	15																				4Y203-15M x
4Y7GA8-10 x		5/8	10																		4Y203-10 x
4Y7GA8-17M x	17																				4Y203-17M x
4Y7GB8-12M x	12			1.84	3.63	3.69	2.38	0.54	3	1.38	0.69	21/32	1.06	0.44	1.44	0.72	0.5	1.41	1.14	7GB	4Y204-12M x
4Y7GB8-08 x		1/2	8	46.7	92.2	93.7	60.5	13.7	76.2	35.1	17.5		26.9	11.2	36.6	18.3	12.7	35.8	29.0		4Y204-08 x
4Y7GB8-15M x	15																				4Y204-15M x
4Y7GB8-10 x		5/8	10																		4Y204-10 x
4Y7GB8-17M x	17																				4Y204-17M x
4Y7GB8-11 x		11/16	11																		4Y204-11 x
4Y7GB8-12 x		3/4	12																		4Y204-12 x
4Y7GB8-20M x	20																				4Y204-20M x
4Y7GC8-12 x		3/4	12	2.05	3.63	3.81	2.44	0.54	3	1.38	0.69	21/32	1.06	0.44	1.44	0.78	0.56	1.47	1.34	7GC	4Y205-12 x
4Y7GC8-14 x		7/8	14	52.1	92.2	96.8	62.0	13.7	76.2	35.1	17.5		26.9	11.2	36.6	19.8	14.2	37.3	34.0		4Y205-14 x
4Y7GC8-15 x		15/16	15																		4Y205-15 x
4Y7GC8-25M x	25																				4Y205-25M x
4Y7GC8-16 x		1	16																		4Y205-16 x
4Y7GD8-16 x		1	16	2.44	4.13	4.38	2.75	0.54	3.5	1.63	0.81	25/32	1.22	0.44	1.63	0.87	0.63	1.68	1.59	7GD	4Y206-16 x
4Y7GD8-17 x		1-1/16	17	62.0	104.9	111.3	69.9	13.7	88.9	41.3	20.6		31.0	11.2	41.4	22.1	16.0	42.7	40.4		4Y206-17 x
4Y7GD8-18 x		1-1/8	18																		4Y206-18 x
4Y7GD8-30M x	30																				4Y206-30M x
4Y7GD8-19 x		1-3/16	19																		4Y206-19 x
4Y7GD8-20 x		1-1/4	20																		4Y206-20 x
4Y7GE8-19 x		1-3/16	19	2.83	4.13	4.81	3	0.54	3.5	1.63	0.81	25/32	1.22	0.44	1.63	1	0.69	1.81	1.84	7GE	4Y207-19 x
4Y7GE8-20 x		1-1/4	20	71.9	104.9	122.2	76.2	13.7	88.9	41.3	20.6		31.0	11.2	41.4	25.4	17.5	46.0	46.7		4Y207-20 x
4Y7GE8-21 x		1-5/16	21																		4Y207-21 x
4Y7GE8-22 x		1-3/8	22																		4Y207-22 x
4Y7GE8-35M x	35																				4Y207-35M x
4Y7GE8-23 x		1-7/16	23																		4Y207-23 x
4Y7GF8-23 x		1-7/16	23	3.16	4.5	5.5	3.44	0.69	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.08	7GF	4Y208-23 x
4Y7GF8-24 x		1-1/2	24	80.3	114.3	139.7	87.4	17.5	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	52.8		4Y208-24 x
4Y7GF8-40M x	40																				4Y208-40M x
4Y7GG8-24 x		1-1/2	24	3.34	4.63	5.69	3.5	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.19	0.75	2.13	2.31	7GG	4Y209-24 x
4Y7GG8-26 x		1-5/8	26	84.8	117.6	144.5	88.9	17.8	101.6	47.8	23.9		38.1	14.2	49.3	30.2	19.1	54.1	58.7		4Y209-26 x
4Y7GG8-27 x		1-11/16	27																		4Y209-27 x
4Y7GG8-28 x		1-3/4	28																		4Y209-28 x
4Y7GG8-45M x	45																				4Y209-45M x
4Y7GH8-28 x		1-3/4	28	3.55	4.75	5.81	3.56	0.7	4	1.88	0.94	1-1/16	1.5	0.56	1.94	1.28	0.75	2.22	2.45	7GH	4Y210-28 x
4Y7GH8-30 x		1-7/8	30	90.2	120.7	147.6	90.4	17.8	101.6	47.8	23.9		38.1	14.2	49.3	32.5	19.1	56.4	62.2		4Y210-30 x
4Y7GH8-31 x		1-15/16	31																		4Y210-31 x
4Y7GH8-50M x	50																				4Y210-50M x
4Y7GH8-32 x		2	32																		4Y210-32 x
4Y7GI8-32 x		2	32	3.94	5.88	7.5	4.69	1.07	5.13	2.5	1.25	1-5/16	1.97	0.72	2.5	1.32	0.87	2.57	2.76	7GI	4Y211-32 x
4Y7GI8-55M x	55			100.1	149.4	190.5	119.1	27.2	130.3	63.5	31.8		50.0	18.3	63.5	33.5	22.1	65.3	70.1		4Y211-55M x
4Y7GI8-35 x		2-3/16	35																		4Y211-35 x
4Y7GI8-36 x		2-1/4	36																		4Y211-36 x
4Y7GJ8-36 x		2-1/4	36	4.33	5.88	7.5	4.69	1.07	5.13	2.5	1.25	1-5/16	1.97	0.72	2.5	1.56	1	2.81	3.03	7GJ	4Y212-36 x
4Y7GJ8-60M x	60			110.0	149.4	190.5	119.1	27.2	130.3	63.5	31.8		50.0	18.3	63.5	39.6	25.4	71.4	77.0		4Y212-60M x
4Y7GJ8-39 x		2-7/16	39																		4Y212-39 x
4Y7GK8-39 x		2-7/16	39	4.92	6.69	8.88	5.38	1.07	5.94	2.75	1.38	1-9/16	2.31	0.81	2.88	1.75	1.19	3.13	3.43	7GK	4Y214-39 x
4Y7GK8-40 x		2-1/2	40	125.0	169.9	225.6	136.7	27.2	150.9	69.9	34.9		58.7	20.6	73.2	44.5	30.2	79.4	87.1		4Y214-40 x
4Y7GK8-70M x	70																				4Y214-70M x
4Y7GK8-44 x		2-3/4	44																		4Y214-44 x
4Y7GL8-40 x				5.11	6.69	9.13	5.5	1.07	5.94	2.75	1.38	1-9/16	2.31	0.81	2.88	1.75	1.31	3.13	3.6	7GL	4Y215-40
4Y7GL8-43 x		2-11/16	43	129.8	169.9	231.9	139.7	27.2	150.9	69.9	34.9		58.7	20.6	73.2	44.5	33.3	79.4	91.4		4Y215-43 x
4Y7GL8-44 x		2-3/4	44																		4Y215-44 x
4Y7GL8-45 x		2-13/16	45																		4Y215-45 x
4Y7GL8-47 x		2-15/16	47																		4Y215-47 x
4Y7GL8-75M x	75																				4Y215-75M x
4Y7GL8-48 x		3	48																		4Y215-48 x

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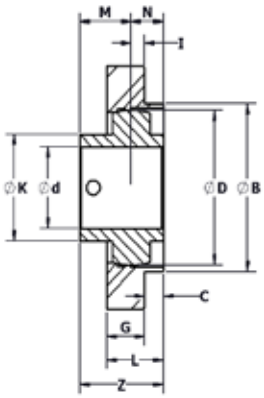
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

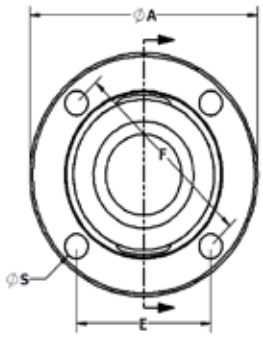
Stainless Ball Solution® Piloted Flange Bearing

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Piloted flange pattern Series "24"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y24AC8-12 x		3/4	12	2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	0.78	0.56	1.50	1.34	24AC	4Y205-12 x
4Y24AC8-14 x		7/8	14	52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7		19.8	14.2	38.0	34.0		4Y205-14 x
4Y24AC8-15 x		15/16	15																4Y205-15 x
4Y24AC8-25M x	25																		4Y205-25M x
4Y24AC8-16 x		1	16																4Y205-16 x
4Y24AD8-16 x		1	16	2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	0.87	0.63	1.59	1.59	24AD	4Y206-16 x
4Y24AD8-17 x		1-1/16	17	62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7		22.1	16.0	40.5	40.4		4Y206-17 x
4Y24AD8-18 x		1-1/8	18																4Y206-18 x
4Y24AD8-30M x	30																		4Y206-30M x
4Y24AD8-19 x		1-3/16	19																4Y206-19 x
4Y24AD8-20 x		1-1/4	20																4Y206-20 x
4Y24AE8-19 x		1-3/16	19	2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1	0.69	1.71	1.84	24AE	4Y207-19 x
4Y24AE8-20 x		1-1/4	20	72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4		25.4	17.5	43.3	46.7		4Y207-20 x
4Y24AE8-21 x		1-5/16	21																4Y207-21 x
4Y24AE8-22 x		1-3/8	22																4Y207-22 x
4Y24AE8-35M x	35																		4Y207-35M x
4Y24AE8-23 x		1-7/16	23																4Y207-23 x
4Y24AF8-23 x		1-7/16	23	3.150	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	7/16	1.19	0.75	1.94	2.08	24AF	4Y208-23 x
4Y24AF8-24 x		1-1/2	24	80	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		30.2	19.1	49.3	52.8		4Y208-24 x
4Y24AF8-40M x	40																		4Y208-40M x
4Y24AG8-24 x		1-1/2	24	3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.19	0.75	1.94	2.31	24AG	4Y209-24 x
4Y24AG8-26 x		1-5/8	26	85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24AG8-27 x		1-11/16	27																4Y209-27 x
4Y24AG8-28 x		1-3/4	28																4Y209-28 x
4Y24AG8-45M x	45																		4Y209-45M x
4Y24AG-DSC8-24 x		1-1/2	24	3.346	5.75	4.00	0.44	3.36	4.75	1.00	1.44	0.34	1/2	1.19	0.75	1.94	2.31	24AG-DSC	4Y209-24 x
4Y24AG-DSC8-26 x		1-5/8	26	85	146.1	101.6	11.1	85.3	120.7	25.4	36.5	8.7		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24AG-DSC8-27 x		1-11/16	27																4Y209-27 x
4Y24AG-DSC8-28 x		1-3/4	28																4Y209-28 x
4Y24AG-DSC8-45M x	45																		4Y209-45M x
4Y24AH8-28 x		1-3/4	28	3.543	6.00	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.28	0.75	2.14	2.45	24AH	4Y210-28 x
4Y24AH8-30 x		1-7/8	30	90	152.4	108.0	15.9	92.0	130.2	22.2	38.1	6.0		32.5	19.1	54.5	62.2		4Y210-30 x
4Y24AH8-31 x		1-15/16	31																4Y210-31 x
4Y24AH8-50M x	50																		4Y210-50M x
4Y24AH8-32 x		2	32																4Y210-32 x
4Y24AI8-32 x		2	32	3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.31	0.87	2.13	2.76	24AI	4Y211-32 x
4Y24AI8-55M x	55			100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8		33.3	22.1	54.1	70.1		4Y211-55M x
4Y24AI8-35 x		2-3/16	35																4Y211-35 x
4Y24AI8-36 x		2-1/4	36																4Y211-36 x
4Y24AJ8-36 x		2-1/4	36	4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.56	1	2.63	3.03	24AJ	4Y212-36 x
4Y24AJ8-60M x	60			110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7		39.6	25.4	66.7	77.0		4Y212-60M x
4Y24AJ8-39 x		2-7/16	39																4Y212-39 x
4Y24AK8-39 x		2-7/16	39	4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.75	1.19	2.86	3.43	24AK	4Y214-39 x
4Y24AK8-40 x		2-1/2	40	125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7		44.5	30.2	72.5	87.1		4Y214-40 x
4Y24AK8-70M x	70																		4Y214-70M x
4Y24AK8-44 x		2-3/4	44																4Y214-44 x
4Y24AL8-40 x				5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	1.75	1.31	3.00	3.6	24AL	4Y215-40
4Y24AL8-43 x		2-11/16	43	130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1		44.5	33.3	76.2	91.4		4Y215-43 x
4Y24AL8-44 x		2-3/4	44																4Y215-44 x
4Y24AL8-45 x		2-13/16	45																4Y215-45 x
4Y24AL8-47 x		2-15/16	47																4Y215-47 x
4Y24AL8-75M x	75																		4Y215-75M x
4Y24AL8-48 x		3	48																4Y215-48 x

X indicates a 2-letter designation for lube & seals

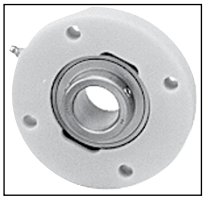
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution®
Piloted Flange Bearing

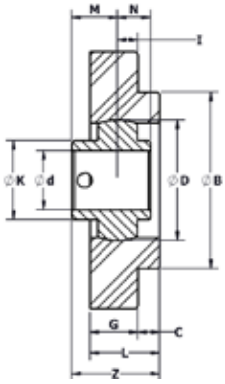
CLASSIC or VALUE

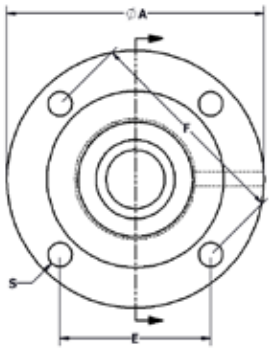
Set screw locking stainless ball bearing Series “4Y”
Piloted flange pattern Series “24”
Polymer housing Series “G”



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals





Polymer Housing

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y24GC8-12 x		3/4	12	2.047	4.38	3	0.38	2.56	3.63	0.81	1.19	0.34	3/8	0.78	0.56	1.50	1.34	24GC	4Y205-12 x
4Y24GC8-14 x		7/8	14	52	111.1	76.2	9.5	65.1	92.1	20.6	30.2	8.7		19.8	14.2	38.0	34.0		4Y205-14 x
4Y24GC8-15 x		15/16	15																4Y205-15 x
4Y24GC8-25M x	25																		4Y205-25M x
4Y24GC8-16 x		1	16																4Y205-16 x
4Y24GD8-16 x		1	16	2.441	4.38	3	0.38	2.56	3.63	0.88	1.25	0.34	3/8	0.87	0.63	1.59	1.59	24GD	4Y206-16 x
4Y24GD8-17 x		1-1/16	17	62	111.1	76.2	9.5	65.1	92.1	22.2	31.8	8.7		22.1	16.0	40.5	40.4		4Y206-17 x
4Y24GD8-18 x		1-1/8	18																4Y206-18 x
4Y24GD8-30M x	30																		4Y206-30M x
4Y24GD8-19 x		1-3/16	19																4Y206-19 x
4Y24GD8-20 x		1-1/4	20																4Y206-20 x
4Y24GE8-19 x		1-3/16	19	2.835	5	3.38	0.38	2.92	4.13	0.88	1.25	0.33	7/16	1	0.69	1.71	1.84	24GE	4Y207-19 x
4Y24GE8-20 x		1-1/4	20	72	127.0	85.7	9.5	74.1	104.8	22.2	31.8	8.4		25.4	17.5	43.3	46.7		4Y207-20 x
4Y24GE8-21 x		1-5/16	21																4Y207-21 x
4Y24GE8-22 x		1-3/8	22																4Y207-22 x
4Y24GE8-35M x	35																		4Y207-35M x
4Y24GE8-23 x		1-7/16	23																4Y207-23 x
4Y24GF8-23 x		1-7/16	23	3.150	5.25	3.63	0.44	3.09	4.37	0.88	1.31	0.31	7/16	1.19	0.75	1.94	2.08	24GF	4Y208-23 x
4Y24GF8-24 x		1-1/2	24	80	133.4	92.1	11.1	78.6	111.0	22.2	33.4	7.9		30.2	19.1	49.3	52.8		4Y208-24 x
4Y24GF8-40M x	40																		4Y208-40M x
4Y24GG8-24 x		1-1/2	24	3.346	5.25	3.63	0.44	3.09	4.38	0.88	1.31	0.31	1/2	1.19	0.75	1.94	2.31	24GG	4Y209-24 x
4Y24GG8-26 x		1-5/8	26	85	133.4	92.1	11.1	78.6	111.1	22.2	33.4	7.9		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24GG8-27 x		1-11/16	27																4Y209-27 x
4Y24GG8-28 x		1-3/4	28																4Y209-28 x
4Y24GG8-45M x	45																		4Y209-45M x
4Y24GG-DSC8-24 x		1-1/2	24	3.346	5.75	4.00	0.44	3.36	4.75	0.88	1.31	0.31	1/2	1.19	0.75	1.94	2.31	24GG-DSC	4Y209-24 x
4Y24GG-DSC8-26 x		1-5/8	26	85	146.1	101.6	11.1	85.3	120.7	22.2	33.4	7.9		30.2	19.1	49.3	58.7		4Y209-26 x
4Y24GG-DSC8-27 x		1-11/16	27																4Y209-27 x
4Y24GG-DSC8-28 x		1-3/4	28																4Y209-28 x
4Y24GG-DSC8-45M x	45																		4Y209-45M x
4Y24GH8-28 x		1-3/4	28	3.543	6.06	4.25	0.63	3.62	5.13	0.88	1.5	0.24	1/2	1.28	0.75	2.14	2.45	24GH	4Y210-28 x
4Y24GH8-30 x		1-7/8	30	90	153.9	108.0	15.9	92.0	130.2	22.2	38.1	6.0		32.5	19.1	54.5	62.2		4Y210-30 x
4Y24GH8-31 x		1-15/16	31																4Y210-31 x
4Y24GH8-50M x	50																		4Y210-50M x
4Y24GH8-32 x		2	32																4Y210-32 x
4Y24GI8-32 x		2	32	3.937	6.38	4.5	0.63	3.80	5.38	0.88	1.5	0.19	1/2	1.31	0.87	2.13	2.76	24GI	4Y211-32 x
4Y24GI8-55M x	55			100	161.9	114.3	15.9	96.5	136.5	22.2	38.1	4.8		33.3	22.1	54.1	70.1		4Y211-55M x
4Y24GI8-35 x		2-3/16	35																4Y211-35 x
4Y24GI8-36 x		2-1/4	36																4Y211-36 x
4Y24GJ8-36 x		2-1/4	36	4.331	7.13	5	0.88	4.24	6	1.00	1.88	0.19	9/16	1.56	1	2.63	3.03	24GJ	4Y212-36 x
4Y24GJ8-60M x	60			110	181.0	127.0	22.2	107.8	152.4	25.4	47.6	4.7		39.6	25.4	66.7	77.0		4Y212-60M x
4Y24GJ8-39 x		2-7/16	39																4Y212-39 x
4Y24GK8-39 x		2-7/16	39	4.921	7.63	5.5	1.00	4.60	6.5	1.00	2	0.11	9/16	1.75	1.19	2.86	3.43	24GK	4Y214-39 x
4Y24GK8-40 x		2-1/2	40	125	193.7	139.7	25.4	116.7	165.1	25.4	50.8	2.7		44.5	30.2	72.5	87.1		4Y214-40 x
4Y24GK8-70M x	70																		4Y214-70M x
4Y24GK8-44 x		2-3/4	44																4Y214-44 x
4Y24GL8-40 x				5.128	8.75	6.38	1.13	5.30	7.5	1.00	2.13	0.12	11/16	1.75	1.31	3.00	3.6	24GL	4Y215-40
4Y24GL8-43 x		2-11/16	43	130	222.3	161.9	28.6	134.7	190.5	25.4	54.0	3.1		44.5	33.3	76.2	91.4		4Y215-43 x
4Y24GL8-44 x		2-3/4	44																4Y215-44 x
4Y24GL8-45 x		2-13/16	45																4Y215-45 x
4Y24GL8-47 x		2-15/16	47																4Y215-47 x
4Y24GL8-75M x	75																		4Y215-75M x
4Y24GL8-48 x		3	48																4Y215-48 x

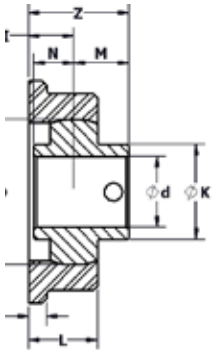
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

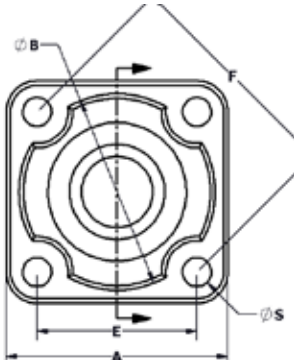
Stainless Ball Solution® Four-Bolt Flange

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

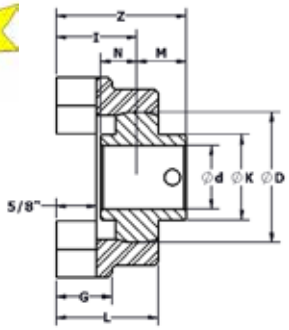
MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y4AC-018-12 x		3/4	12	2.047	3.13	2.76	2.25	3.18	0.25	0.97	0.64	3/8"	0.78	0.56	1.42	1.34	4AC-01	4Y205-12 x
4Y4AC-018-14 x		7/8	14	52	79.5	70.1	57.2	80.8	6.4	24.6	16.3		19.8	14.2	36.1	34.0		4Y205-14 x
4Y4AC-018-15 x		15/16	15															4Y205-15 x
4Y4AC-018-25M x	25																	4Y205-25M x
4Y4AC-018-16 x		1	16															4Y205-16 x

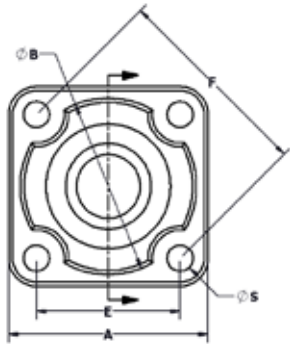
Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4_-01"
Stainless housing Series "A"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size							Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y4AC-01-QK8-12 x		3/4	12	2.047	3.13	2.76	2.25	3.18	0.88	1.60	1.27	3/8"	0.78	0.56	2.05	1.34	4AC-01-QK	4Y205-12 x
4Y4AC-01-QK8-14 x		7/8	14	52	79.5	70.1	57.2	80.8	22.2	40.5	32.1		19.8	14.2	51.9	34.0		4Y205-14 x
4Y4AC-01-QK8-15 x		15/16	15															4Y205-15 x
4Y4AC-01-QK8-25M x	25																	4Y205-25M x
4Y4AC-01-QK8-16 x		1	16															4Y205-16 x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

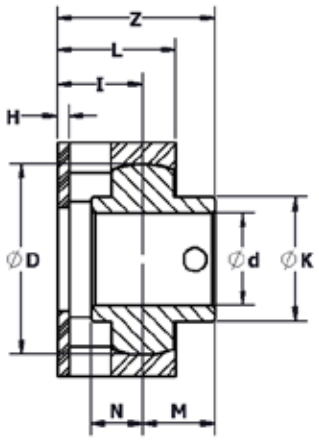
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

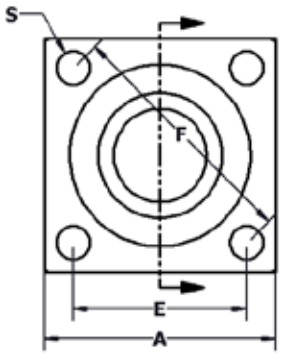
Stainless Ball Solution® Breader Bearing

CLASSIC

Stainless QuiKlean® housing
Assembly includes PA backing plate and stainless ball bearing, either:
- **Food grade solid lubricant (prefix ZJ)**
- **Food grade grease (prefix ZY)**
- **H1 graphite lubricant (prefix ZW)**

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

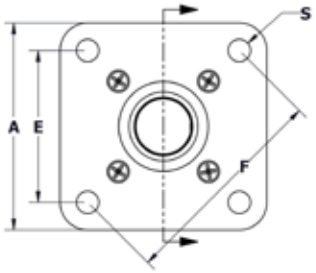
"x" indicates a 2-letter designation referring to lube & seals

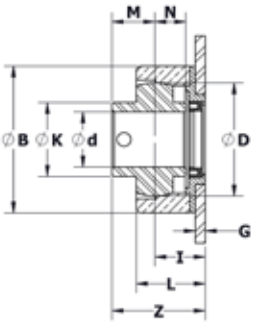
MOUNTED BEARING PART NUMBER	d		Sphere OD size							Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Standoff	Housing PN	Ball bearing PN
	in	16th	D	A	E	F	H	L	I	S	M	N	Z	K			SETSCREW
ZJZA100-QK8-3/4	3/4	12	2.047	2.5	1.875	2.65	0.13	1.28	0.93	5/16	0.78	0.56	1.71	1.34	0.50 / 12.7	ZA100-QK	4Y205-12FX
ZJZA100-QK8-1	1	16	52	63.5	47.6	67.3	3.2	32.5	23.6		19.8	14.2	43.4	34.0			4Y205-16FX
ZWZA100-QK8-1	1	16															4Y205-16WX
ZYZA100-QK8-1	1	16															4Y205-16GX

Stainless Ball Solution® Breader Auger

CLASSIC

For vertical shaft on JBT Breader
Stainless four bolt flange with exclusionary seal and solid lubricant, stainless ball bearing





Stainless Housing

MOUNTED BEARING PART NUMBER	d		Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Seal	Housing PN	Ball bearing PN
	in	16th	D	A	B	E	F	G	I	L	S	M	N	Z	K			SETSCREW
ZJZA400-ON8-1	1	16	2.047 52	3.75 95.3	2.66 67.6	2.75 69.9	3.89 98.8	0.18 4.6	0.91 23.12	1.25 31.8	3/8	0.78 19.8	0.56 14.2	1.69 42.3	1.34 34.0	EDT-Glove® C	ZA100-QK	4Y205-16FX

X indicates a 2-letter designation for lube & seals

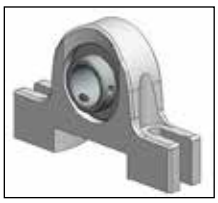
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3

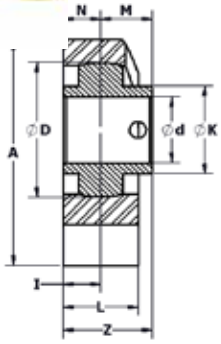
Example: GX = food grade grease with standard seals & flingers

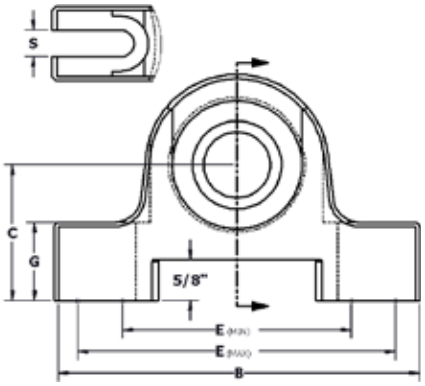
Stainless Ball Solution® Pillow Block (QuiKlean®) with 5/8” Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series “4Y”
Standard backing height Series “1”
Stainless housing Series “A”
5/8" stand-off above base “QK”







Stainless Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

“x” indicates a 2-letter designation referring to lube & seals

QK only available on standard height

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L		I	S	M	N	Z	K		SETSCREW
4Y1AC-QK8-12 x		3/4	12	2.047	3.438	5.5	2.063	3.44	4.63	1.188	1.13		0.56	3/8	0.78	0.56	1.34	1.34	1AC-QK	4Y205-12 x
4Y1AC-QK8-14 x		7/8	14	52	87.3	139.7	52.4	87.4	117.6	30.2	28.7		14.2		19.8	14.2	34.0	34.0		4Y205-14 x
4Y1AC-QK8-15 x		15/16	15																	4Y205-15 x
4Y1AC-QK8-25M x	25																			4Y205-25M x
4Y1AC-QK8-16 x		1	16																	4Y205-16 x

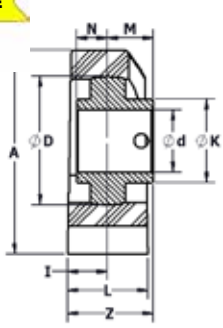
QuiKlean® housing with integral standoff is 5/8” above the base of standard units

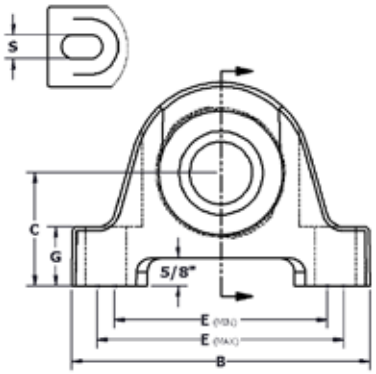
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Pillow Block (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard backing height Series "1"
Polymer housing Series "G"
5/8" stand-off above base "QK"





Polymer Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

QK only available on standard height

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Sph. depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E min	E max	G	L	I	S	M	N	Z	K		SETSCREW
4Y1GA-QK8-12M x	12			1.575	2.88	5	1.69	2.94	4.06	1.06	1.25	0.63	3/8	0.61	0.41	1.24	0.97	1AA-QK	4Y203-12M x
4Y1GA-QK8-08 x		1/2	8	40	73.2	127.0	42.9	74.7	103.1	26.9	31.8	15.9		15.5	10.4	31.4	24.6		4Y203-08 x
4Y1GA-QK8-09 x		9/16	9																4Y203-09 x
4Y1GA-QK8-15M x	15																		4Y203-15M x
4Y1GA-QK8-10 x		5/8	10																4Y203-10 x
4Y1GA-QK8-17M x	17																		4Y203-17M x
4Y1GB-QK8-12M x	12			1.850	3.31	5.27	1.94	3.25	4.38	1.13	1.4	0.69	3/8	0.72	0.5	1.41	1.14	1AB-QK	4Y204-12M x
4Y1GB-QK8-08 x		1/2	8	47	84.1	133.9	49.3	82.6	111.3	28.6	35.6	17.5		18.3	12.7	35.8	29.0		4Y204-08 x
4Y1GB-QK8-15M x	15																		4Y204-15M x
4Y1GB-QK8-10 x		5/8	10																4Y204-10 x
4Y1GB-QK8-17M x	17																		4Y204-17M x
4Y1GB-QK8-11 x		11/16	11																4Y204-11 x
4Y1GB-QK8-12 x		3/4	12																4Y204-12 x
4Y1GB-QK8-20M x	20																		4Y204-20M x
4Y1GC-QK8-12 x		3/4	12	2.047	3.56	5.5	2.06	3.44	4.63	1.19	1.52	0.75	3/8	0.78	0.56	1.53	1.34	1AC-QK	4Y205-12 x
4Y1GC-QK8-14 x		7/8	14	52	90.4	139.7	52.3	87.4	117.6	30.2	38.6	19.1		19.8	14.2	38.9	34.0		4Y205-14 x
4Y1GC-QK8-15 x		15/16	15																4Y205-15 x
4Y1GC-QK8-25M x	25																		4Y205-25M x
4Y1GC-QK8-16 x		1	16																4Y205-16 x
4Y1GD-QK8-16 x		1	16	2.441	4	6.25	2.31	4.13	5.13	1.31	1.75	0.88	1/2	0.87	0.63	1.75	1.59	1AD-QK	4Y206-16 x
4Y1GD-QK8-17 x		1-1/16	17	62	101.6	158.8	58.7	104.9	130.3	33.3	44.5	22.2		22.1	16.0	44.3	40.4		4Y206-17 x
4Y1GD-QK8-18 x		1-1/8	18																4Y206-18 x
4Y1GD-QK8-30M x	30																		4Y206-30M x
4Y1GD-QK8-19 x		1-3/16	19																4Y206-19 x
4Y1GD-QK8-20 x		1-1/4	20																4Y206-20 x
4Y1GE-QK8-19 x		1-3/16	19	2.835	4.5	6.56	2.5	4.69	5.44	1.31	1.75	0.88	1/2	1	0.69	1.88	1.84	1AE-QK	4Y207-19 x
4Y1GE-QK8-20 x		1-1/4	20	72	114.3	166.6	63.5	119.1	138.2	33.3	44.5	22.2		25.4	17.5	47.6	46.7		4Y207-20 x
4Y1GE-QK8-21 x		1-5/16	21																4Y207-21 x
4Y1GE-QK8-22 x		1-3/8	22																4Y207-22 x
4Y1GE-QK8-35M x	35																		4Y207-35M x
4Y1GE-QK8-23 x		1-7/16	23																4Y207-23 x
4Y1GF-QK8-23 x		1-7/16	23	3.150	4.94	7.25	2.75	5	6.13	1.38	1.94	0.97	1/2	1.19	0.75	2.16	2.08	1AF-QK	4Y208-23 x
4Y1GF-QK8-24 x		1-1/2	24	80	125.5	184.2	69.9	127.0	155.7	34.9	49.3	24.6		30.2	19.1	54.9	52.8		4Y208-24 x
4Y1GF-QK8-40M x	40																		4Y208-40M x

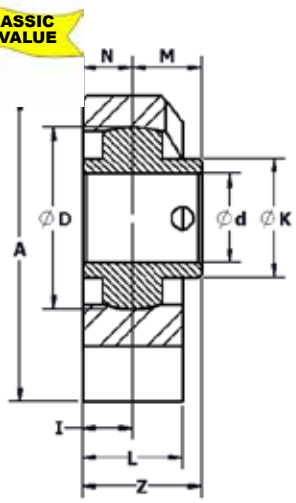
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

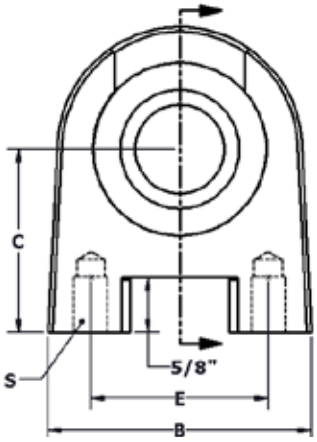
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Tapped base housing Series "9"
Stainless housing Series "A"
5/8" stand-off above base "QK"





Stainless Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		SETSCREW
4Y9AA-QK8-12M x	12			1.575	3.03	2.88	1.94	2	1.13	0.56	3/8-16	0.61	0.41	1.17	0.97	9AA-QK	4Y203-12M x
4Y9AA-QK8-08 x		1/2	8	40	77.0	73.2	49.3	50.8	28.7	14.2		15.5	10.4	29.7	24.6		4Y203-08 x
4Y9AA-QK8-09 x		9/16	9														4Y203-09 x
4Y9AA-QK8-15M x	15																4Y203-15M x
4Y9AA-QK8-10 x		5/8	10														4Y203-10 x
4Y9AA-QK8-17M x	17																4Y203-17M x
4Y9AB-QK8-12M x	12			1.850	3.16	2.88	1.94	2	1.13	0.56	3/8-16	0.72	0.5	1.28	1.14	9AB-QK	4Y204-12M x
4Y9AB-QK8-08 x		1/2	8	47	80.3	73.2	49.3	50.8	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y9AB-QK8-15M x	15																4Y204-15M x
4Y9AB-QK8-10 x		5/8	10														4Y204-10 x
4Y9AB-QK8-17M x	17																4Y204-17M x
4Y9AB-QK8-11 x		11/16	11														4Y204-11 x
4Y9AB-QK8-12 x		3/4	12														4Y204-12 x
4Y9AB-QK8-20M x	20																4Y204-20M x
4Y9AC-QK8-12 x		3/4	12	2.047	3.44	3	2.06	2	1.13	0.56	3/8-16	0.78	0.56	1.34	1.34	9AC-QK	4Y205-12 x
4Y9AC-QK8-14 x		7/8	14	52	87.4	76.2	52.3	50.8	28.7	14.2		19.8	14.2	34.0	34.0		4Y205-14 x
4Y9AC-QK8-15 x		15/16	15														4Y205-15 x
4Y9AC-QK8-25M x	25																4Y205-25M x
4Y9AC-QK8-16 x		1	16														4Y205-16 x
4Y9AD-QK8-16 x		1	16	2.441	3.88	4	2.31	3	1.47	0.74	7/16-14	0.87	0.63	1.61	1.59	9AD-QK	4Y206-16 x
4Y9AD-QK8-17 x		1-1/16	17	62	98.6	101.6	58.7	76.2	37.3	18.8		22.1	16.0	40.9	40.4		4Y206-17 x
4Y9AD-QK8-18 x		1-1/8	18														4Y206-18 x
4Y9AD-QK8-30M x	30																4Y206-30M x
4Y9AD-QK8-19 x		1-3/16	19														4Y206-19 x
4Y9AD-QK8-20 x		1-1/4	20														4Y206-20 x
4Y9AE-QK8-19 x		1-3/16	19	2.835	4.31	4.25	2.5	3.25	1.47	0.74	1/2-13	1	0.69	1.74	1.84	9AE-QK	4Y207-19 x
4Y9AE-QK8-20 x		1-1/4	20	72	109.5	108.0	63.5	82.6	37.3	18.8		25.4	17.5	44.2	46.7		4Y207-20 x
4Y9AE-QK8-21 x		1-5/16	21														4Y207-21 x
4Y9AE-QK8-22 x		1-3/8	22														4Y207-22 x
4Y9AE-QK8-35M x	35																4Y207-35M x
4Y9AE-QK8-23 x		1-7/16	23														4Y207-23 x
4Y9AF-QK8-23 x		1-7/16	23	3.150	4.56	4.63	2.56	3.5	1.63	0.81	1/2-13	1.19	0.75	2.00	2.08	9AF-QK	4Y208-23 x
4Y9AF-QK8-24 x		1-1/2	24	80	115.8	117.6	65.0	88.9	41.4	20.6		30.2	19.1	50.8	52.8		4Y208-24 x
4Y9AF-QK8-40M x	40																4Y208-40M x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

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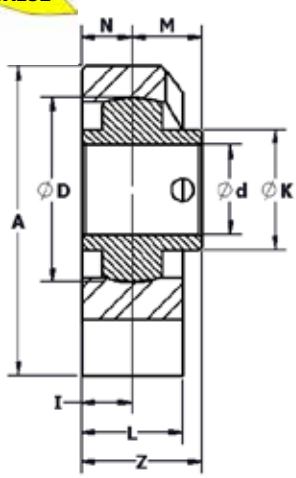
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

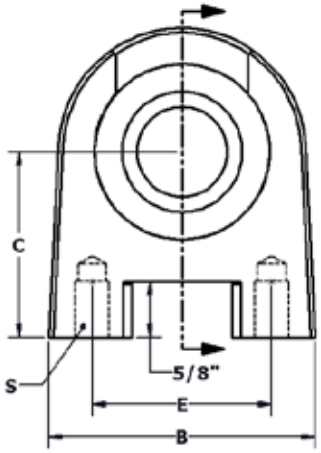
Stainless Ball Solution® Tapped Base Pillow Block (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Tapped base housing Series "9"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	L	I	S	M	N	Z	K		SETSCREW
4Y9GA-QK8-12M x	12			1.575	3.08	2.94	1.94	2	1.12	0.56	3/8-16	0.61	0.41	1.17	0.97	9GA-QK	4Y203-12M x
4Y9GA-QK8-08 x		1/2	8	40	78.2	74.7	49.3	50.8	28.4	14.2		15.5	10.4	29.7	24.6		4Y203-08 x
4Y9GA-QK8-09 x		9/16	9														4Y203-09 x
4Y9GA-QK8-15M x	15																4Y203-15M x
4Y9GA-QK8-10 x		5/8	10														4Y203-10 x
4Y9GA-QK8-17M x	17																4Y203-17M x
4Y9GB-QK8-12M x	12			1.850	3.2	3.07	1.94	2	1.13	0.56	3/8-16	0.72	0.5	1.28	1.14	9GB-QK	4Y204-12M x
4Y9GB-QK8-08 x		1/2	8	47	81.3	78.0	49.3	50.8	28.7	14.2		18.3	12.7	32.5	29.0		4Y204-08 x
4Y9GB-QK8-15M x	15																4Y204-15M x
4Y9GB-QK8-10 x		5/8	10														4Y204-10 x
4Y9GB-QK8-17M x	17																4Y204-17M x
4Y9GB-QK8-11 x		11/16	11														4Y204-11 x
4Y9GB-QK8-12 x		3/4	12														4Y204-12 x
4Y9GB-QK8-20M x	20																4Y204-20M x
4Y9GC-QK8-12 x		3/4	12	2.047	3.44	3.11	2.06	2	1.16	0.57	3/8-16	0.78	0.56	1.35	1.34	9GC-QK	4Y205-12 x
4Y9GC-QK8-14 x		7/8	14	52	87.4	79.0	52.3	50.8	29.5	14.5		19.8	14.2	34.3	34.0		4Y205-14 x
4Y9GC-QK8-15 x		15/16	15														4Y205-15 x
4Y9GC-QK8-25M x	25																4Y205-25M x
4Y9GC-QK8-16 x		1	16														4Y205-16 x
4Y9GD-QK8-16 x		1	16	2.441	4	4.25	2.31	3	1.63	0.81	7/16-14	0.87	0.63	1.68	1.59	9GD-QK	4Y206-16 x
4Y9GD-QK8-17 x		1-1/16	17	62	101.6	108.0	58.7	76.2	41.4	20.6		22.1	16.0	42.7	40.4		4Y206-17 x
4Y9GD-QK8-18 x		1-1/8	18														4Y206-18 x
4Y9GD-QK8-30M x	30																4Y206-30M x
4Y9GD-QK8-19 x		1-3/16	19														4Y206-19 x
4Y9GD-QK8-20 x		1-1/4	20														4Y206-20 x
4Y9GE-QK8-19 x		1-3/16	19	2.835	4.5	4.66	2.5	3.25	1.75	0.88	1/2-13	1	0.69	1.88	1.84	9GE-QK	4Y207-19 x
4Y9GE-QK8-20 x		1-1/4	20	72	114.3	118.4	63.5	82.6	44.5	22.4		25.4	17.5	47.8	46.7		4Y207-20 x
4Y9GE-QK8-21 x		1-5/16	21														4Y207-21 x
4Y9GE-QK8-22 x		1-3/8	22														4Y207-22 x
4Y9GE-QK8-35M x	35																4Y207-35M x
4Y9GE-QK8-23 x		1-7/16	23														4Y207-23 x
4Y9GF-QK8-23 x		1-7/16	23	3.150	4.75	4.75	2.56	3.5	1.88	0.94	1/2-13	1.19	0.75	2.13	2.08	9GF-QK	4Y208-23 x
4Y9GF-QK8-24 x		1-1/2	24	80	120.7	120.7	65.0	88.9	47.8	23.9		30.2	19.1	54.1	52.8		4Y208-24 x
4Y9GF-QK8-40M x	40																4Y208-40M x

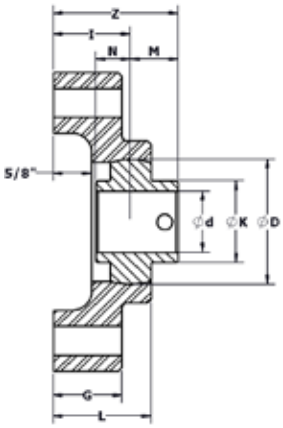
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

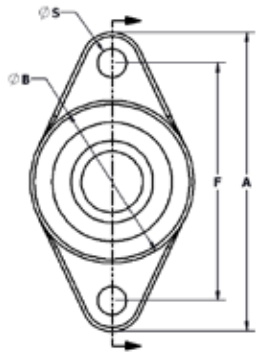
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "2"
Stainless housing Series "A"
5/8" stand-off above base "QK"





Stainless Housing

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

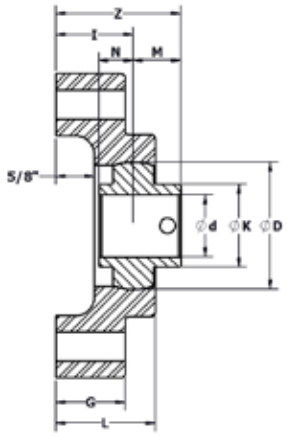
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hs (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	G	L	I	S	M	N	Z	K		SETSCREW
4Y2AA-QK8-12M x	12			1.575	3.88	2.15	3	1.06	1.47	1.15	3/8"	0.61	0.41	1.76	0.97	2AA-QK	4Y203-12M x
4Y2AA-QK8-12M x		1/2	8	40	98.6	54.6	76.2	27.0	37.3	29.2		15.5	10.4	44.7	24.6		4Y203-08 x
4Y2AA-QK8-12M x		9/16	9														4Y203-09 x
4Y2AA-QK8-12M x	15																4Y203-15M x
4Y2AA-QK8-12M x		5/8	10														4Y203-10 x
4Y2AA-QK8-12M x	17																4Y203-17M x
4Y2AA-QK8-12M x	12			1.850	4.41	2.42	3.53	1.06	1.58	1.22	3/8"	0.72	0.5	1.94	1.14	2AB-QK	4Y204-12M x
4Y2AA-QK8-12M x		1/2	8	47	112.0	61.5	89.7	27.0	40.1	31.0		18.3	12.7	49.3	29.0		4Y204-08 x
4Y2AA-QK8-12M x	15																4Y204-15M x
4Y2AA-QK8-12M x		5/8	10														4Y204-10 x
4Y2AA-QK8-12M x	17																4Y204-17M x
4Y2AA-QK8-12M x		11/16	11														4Y204-11 x
4Y2AA-QK8-12M x		3/4	12														4Y204-12 x
4Y2AA-QK8-12M x	20																4Y204-20M x
4Y2AA-QK8-12M x		3/4	12	2.047	4.89	2.66	3.89	1.13	1.6	1.16	7/16"	0.78	0.56	1.94	1.34	2AC-QK	4Y205-12 x
4Y2AA-QK8-12M x		7/8	14	52	124.2	67.6	98.8	28.6	40.6	29.5		19.8	14.2	49.3	34.0		4Y205-14 x
4Y2AA-QK8-12M x		15/16	15														4Y205-15 x
4Y2AA-QK8-12M x	25																4Y205-25M x
4Y2AA-QK8-12M x		1	16														4Y205-16 x
4Y2AA-QK8-12M x		1	16	2.441	5.69	3.12	4.6	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59	2AD-QK	4Y206-16 x
4Y2AA-QK8-12M x		1-1/16	17	62	144.5	79.2	116.8	28.6	42.9	32.5		22.1	16.0	54.6	40.4		4Y206-17 x
4Y2AA-QK8-12M x		1-1/8	18														4Y206-18 x
4Y2AA-QK8-12M x	30																4Y206-30M x
4Y2AA-QK8-12M x		1-3/16	19														4Y206-19 x
4Y2AA-QK8-12M x		1-1/4	20														4Y206-20 x
4Y2AA-QK8-12M x		1-3/16	19	2.835	6.25	3.62	5.12	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84	2AE-QK	4Y207-19 x
4Y2AA-QK8-12M x		1-1/4	20	72	158.8	91.9	130.0	30.2	47.0	36.1		25.4	17.5	61.5	46.7		4Y207-20 x
4Y2AA-QK8-12M x		1-5/16	21														4Y207-21 x
4Y2AA-QK8-12M x		1-3/8	22														4Y207-22 x
4Y2AA-QK8-12M x	35																4Y207-35M x
4Y2AA-QK8-12M x		1-7/16	23														4Y207-23 x
4Y2AA-QK8-12M x		1-7/16	23	3.150	6.78	4	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08	2AF-QK	4Y208-23 x
4Y2AA-QK8-12M x		1-1/2	24	80	172.2	101.6	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8		4Y208-24 x
4Y2AA-QK8-12M x	40																4Y208-40M x

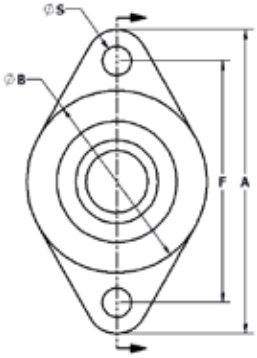
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Two-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE





Polymer Housing

Set screw locking stainless ball bearing Series "4Y"
Standard two-bolt pattern Series "2"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y2GA-QK8-12M x	12			1.575	3.88	2.15	3	1.06	1.47	1.15	3/8"	0.61	0.41	1.76	0.97	2GA-QK	4Y203-12M x
4Y2GA-QK8-08 x		1/2	8	40	98.6	54.6	76.2	26.9	37.3	29.2		15.5	10.4	44.7	24.6		4Y203-08 x
4Y2GA-QK8-09 x		9/16	9														4Y203-09 x
4Y2GA-QK8-15M x	15																4Y203-15M x
4Y2GA-QK8-10 x		5/8	10														4Y203-10 x
4Y2GA-QK8-17M x	17																4Y203-17M x
4Y2GB-QK8-12M x	12			1.850	4.41	2.69	3.53	1.06	1.58	1.22	3/8"	0.72	0.5	1.94	1.14	2GB-QK	4Y204-12M x
4Y2GB-QK8-08 x		1/2	8	47	112.0	68.3	89.7	26.9	40.1	31.0		18.3	12.7	49.3	29.0		4Y204-08 x
4Y2GB-QK8-15M x	15																4Y204-15M x
4Y2GB-QK8-10 x		5/8	10														4Y204-10 x
4Y2GB-QK8-17M x	17																4Y204-17M x
4Y2GB-QK8-11 x		11/16	11														4Y204-11 x
4Y2GB-QK8-12 x		3/4	12														4Y204-12 x
4Y2GB-QK8-20M x	20																4Y204-20M x
4Y2GC-QK8-12 x		3/4	12	2.047	4.89	2.93	3.89	1.13	1.62	1.26	7/16"	0.78	0.56	2.04	1.34	2GC-QK	4Y205-12 x
4Y2GC-QK8-14 x		7/8	14	52	124.2	74.4	98.8	28.6	41.0	32.0		19.8	14.2	51.8	34.0		4Y205-14 x
4Y2GC-QK8-15 x		15/16	15														4Y205-15 x
4Y2GC-QK8-25M x	25																4Y205-25M x
4Y2GC-QK8-16 x		1	16														4Y205-16 x
4Y2GD-QK8-16 x		1	16	2.441	5.59	3.625	4.59	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59	2GD-QK	4Y206-16 x
4Y2GD-QK8-17 x		1-1/16	17	62	142.0	92.1	116.6	28.6	42.9	32.5		22.1	16.0	54.6	40.4		4Y206-17 x
4Y2GD-QK8-18 x		1-1/8	18														4Y206-18 x
4Y2GD-QK8-30M x	30																4Y206-30M x
4Y2GD-QK8-19 x		1-3/16	19														4Y206-19 x
4Y2GD-QK8-20 x		1-1/4	20														4Y206-20 x
4Y2GE-QK8-19 x		1-3/16	19	2.835	6.25	4	5.12	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84	2GE-QK	4Y207-19 x
4Y2GE-QK8-20 x		1-1/4	20	72	158.8	101.6	130.0	30.2	47.0	36.1		25.4	17.5	61.5	46.7		4Y207-20 x
4Y2GE-QK8-21 x		1-5/16	21														4Y207-21 x
4Y2GE-QK8-22 x		1-3/8	22														4Y207-22 x
4Y2GE-QK8-35M x	35																4Y207-35M x
4Y2GE-QK8-23 x		1-7/16	23														4Y207-23 x
4Y2GF-QK8-23 x		1-7/16	23	3.150	6.78	4.56	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08	2GF-QK	4Y208-23 x
4Y2GF-QK8-24 x		1-1/2	24	80	172.2	115.8	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8		4Y208-24 x
4Y2GF-QK8-40M x	40																4Y208-40M x

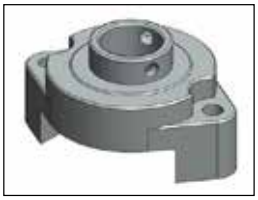
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

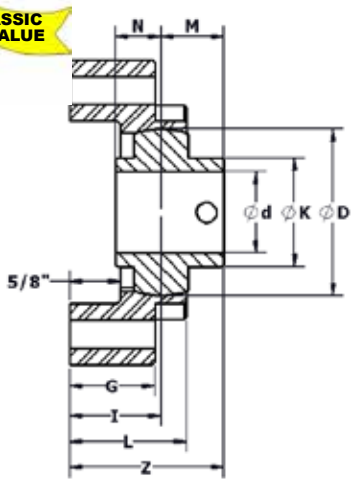
Stainless Ball Solution®
Small Two-Bolt Flange
(QuiKlean®) with 5/8" Stand-off

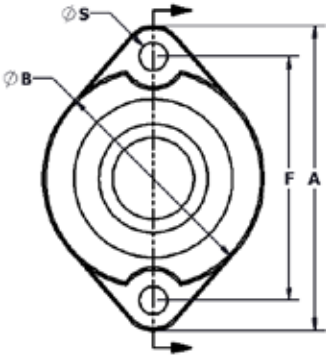
CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Small two-bolt pattern Series "6"
Stainless housing Series "A"
5/8" stand-off above base "QK"



More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

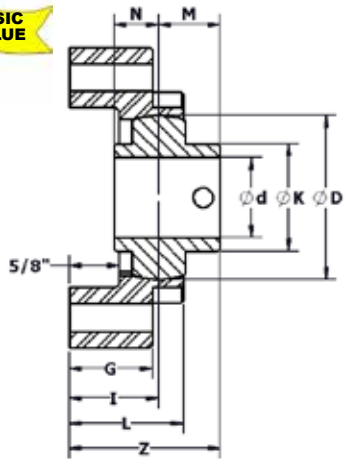
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y6AE-QK8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1	0.69	2.19	1.84	6AE-QK	4Y207-19 x
4Y6AE-QK8-20 x		1-1/4	20	72	125.5	88.9	100.1	28.7	40.1	30.2		25.4	17.5	55.6	46.7		4Y207-20 x
4Y6AE-QK8-21 x		1-5/16	21														4Y207-21 x
4Y6AE-QK8-22 x		1-3/8	22														4Y207-22 x
4Y6AE-QK8-35M x	35																4Y207-35M x
4Y6AE-QK8-23 x		1-7/16	23														4Y207-23 x

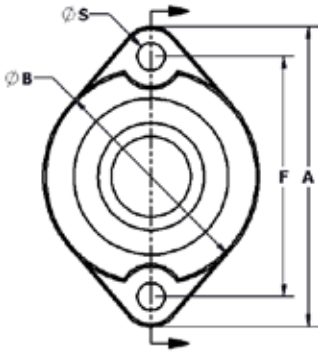
Stainless Ball Solution®
Small Two-Bolt Flange
(QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Small two-bolt pattern Series "6"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Polymer Housing

"x" indicates a 2-letter designation referring to lube & seals

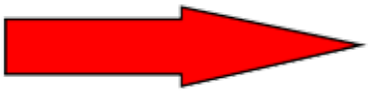
MOUNTED BEARING PART NUMBER	d			Sphere OD size						Sph depth	Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg + hsg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y6GE-QK8-19 x		1-3/16	19	2.835	4.94	3.5	3.94	1.13	1.58	1.19	3/8	1	0.69	2.19	1.84	6GE-QK	4Y207-19 x
4Y6GE-QK8-20 x		1-1/4	20	72	125.5	88.9	100.1	28.7	40.1	30.2		25.4	17.5	55.6	46.7		4Y207-20 x
4Y6GE-QK8-21 x		1-5/16	21														4Y207-21 x
4Y6GE-QK8-22 x		1-3/8	22														4Y207-22 x
4Y6GE-QK8-35M x	35																4Y207-35M x
4Y6GE-QK8-23 x		1-7/16	23														4Y207-23 x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

SET SCREW BALL BEARINGS

CONTINUE ON PAGE 82

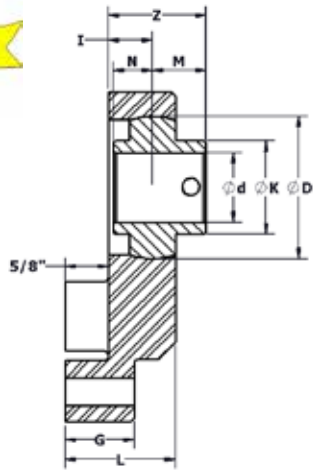


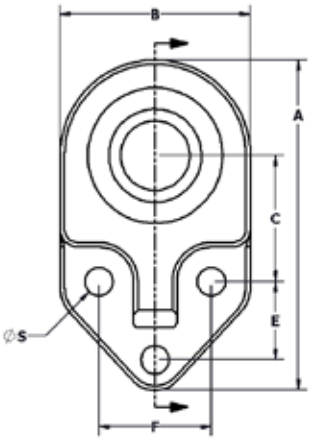
Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard three-bolt pattern Series "3"
Stainless housing Series "A"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





Stainless Housing

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y3AE-QK8-19 x		1-3/16	19	2.835	6	3.63	2.38	1.25	2	1.125	1.85	0.79	1/2"	1	0.69	1.79	1.84	3AE-QK	4Y207-19 x
4Y3AE-QK8-20 x		1-1/4	20	72	152.4	92.2	60.5	31.8	50.8	28.6	46.9	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y3AE-QK8-21 x		1-5/16	21																4Y207-21 x
4Y3AE-QK8-22 x		1-3/8	22																4Y207-22 x
4Y3AE-QK8-35M x	35																		4Y207-35M x
4Y3AE-QK8-23 x		1-7/16	23																4Y207-23 x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

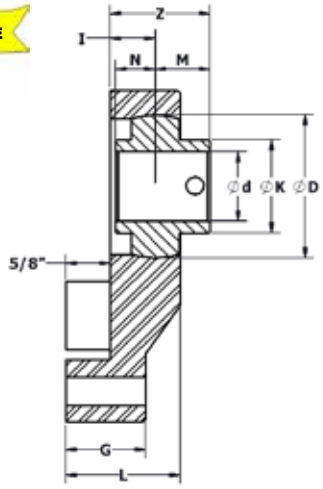
X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

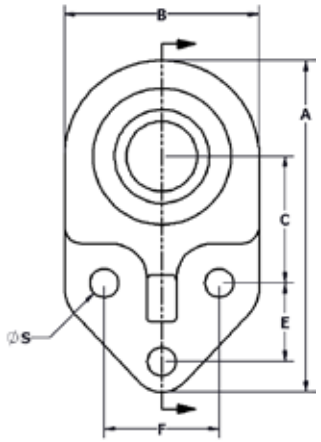
Stainless Ball Solution® Three-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE

Set screw locking stainless ball bearing Series "4Y"
Standard three-bolt pattern Series "3"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85





"x" indicates a 2-letter designation referring to lube & seals

Polymer Housing

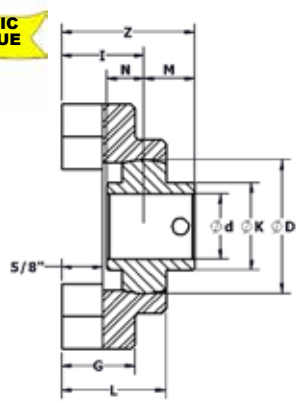
MOUNTED BEARING PART NUMBER	d			Sphere OD size									Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	C	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y3GA-QK8-12M x	12			1.575	3.66	2.19	1.38	0.81	1.25	1.06	1.47	0.53	5/16"	0.61	0.41	1.14	0.97	3GA-QK	4Y203-12M x
4Y3GA-QK8-08 x		1/2	8	40	93.0	55.6	35.1	20.6	31.8	26.9	37.3	13.5		15.5	10.4	29.0	24.6		4Y203-08 x
4Y3GA-QK8-09 x		9/16	9																4Y203-09 x
4Y3GA-QK8-15M x	15																		4Y203-15M x
4Y3GA-QK8-10 x		5/8	10																4Y203-10 x
4Y3GA-QK8-17M x	17																		4Y203-17M x
4Y3GB-QK8-12M x	12			1.850	4.34	2.56	1.69	0.88	1.5	1.06	1.58	0.59	3/8"	0.72	0.5	1.31	1.14	3GB-QK	4Y204-12M x
4Y3GB-QK8-08 x		1/2	8	47	110.2	65.0	42.9	22.4	38.1	26.9	40.1	15.0		18.3	12.7	33.3	29.0		4Y204-08 x
4Y3GB-QK8-15M x	15																		4Y204-15M x
4Y3GB-QK8-10 x		5/8	10																4Y204-10 x
4Y3GB-QK8-17M x	17																		4Y204-17M x
4Y3GB-QK8-11 x		11/16	11																4Y204-11 x
4Y3GB-QK8-12 x		3/4	12																4Y204-12 x
4Y3GB-QK8-20M x	20																		4Y204-20M x
4Y3GC-QK8-12 x		3/4	12	2.047	4.75	2.75	1.81	1.13	1.63	1.13	1.615	0.64	3/8"	0.78	0.56	1.42	1.34	3GC-QK	4Y205-12 x
4Y3GC-QK8-14 x		7/8	14	52	120.7	69.9	46.0	28.6	41.4	28.6	41.0	16.1		19.8	14.2	35.9	34.0		4Y205-14 x
4Y3GC-QK8-15 x		15/16	15																4Y205-15 x
4Y3GC-QK8-25M x	25																		4Y205-25M x
4Y3GC-QK8-16 x		1	16																4Y205-16 x
4Y3GD-QK8-16 x		1	16	2.441	5.44	3.25	2.06	1.25	1.88	1.125	1.69	0.66	3/8"	0.87	0.63	1.53	1.59	3GD-QK	4Y206-16 x
4Y3GD-QK8-17 x		1-1/16	17	62	138.2	82.6	52.3	31.8	47.8	28.6	42.9	16.8		22.1	16.0	38.9	40.4		4Y206-17 x
4Y3GD-QK8-18 x		1-1/8	18																4Y206-18 x
4Y3GD-QK8-30M x	30																		4Y206-30M x
4Y3GD-QK8-19 x		1-3/16	19																4Y206-19 x
4Y3GD-QK8-20 x		1-1/4	20																4Y206-20 x
4Y3GE-QK8-19 x		1-3/16	19	2.835	6.19	3.81	2.38	1.25	2	1.19	1.85	0.79	1/2"	1	0.69	1.79	1.84	3GE-QK	4Y207-19 x
4Y3GE-QK8-20 x		1-1/4	20	72	157.2	96.8	60.5	31.8	50.8	30.2	47.0	20.1		25.4	17.5	45.5	46.7		4Y207-20 x
4Y3GE-QK8-21 x		1-5/16	21																4Y207-21 x
4Y3GE-QK8-22 x		1-3/8	22																4Y207-22 x
4Y3GE-QK8-35M x	35																		4Y207-35M x
4Y3GE-QK8-23 x		1-7/16	23																4Y207-23 x
4Y3GF-QK8-23 x		1-7/16	23	3.150	6.72	4.25	2.56	1.38	2.25	1.19	1.86	0.77	1/2"	1.19	0.75	1.96	2.08	3GF-QK	4Y208-23 x
4Y3GF-QK8-24 x		1-1/2	24	80	170.7	108.0	65.0	35.1	57.2	30.2	47.2	19.6		30.2	19.1	49.8	52.8		4Y208-24 x
4Y3GF-QK8-40M x	40																		4Y208-40M x

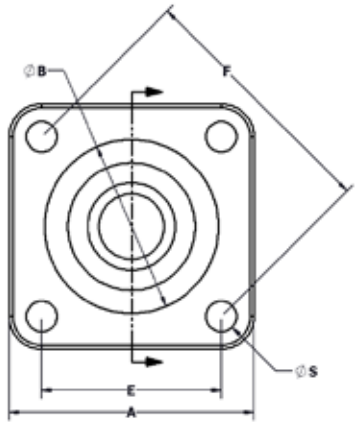
QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE





Stainless Housing

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4"
Stainless housing Series "A"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

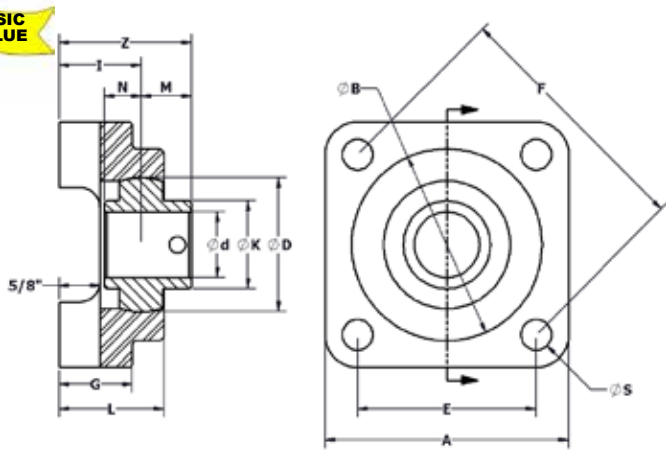
MOUNTED BEARING PART NUMBER	d			Sphere OD size									Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y4AB-QK8-12M x	12			1.850	3.37	2.42	2.5	3.54	1.06	1.58	1.22	3/8"	0.72	0.5	1.94	1.14	4AB-QK	4Y204-12M x
4Y4AB-QK8-08 x		1/2	8	47	85.6	61.5	63.5	89.9	26.9	40.1	31.0		18.3	12.7	49.3	29.0		4Y204-08 x
4Y4AB-QK8-15M x	15																	4Y204-15M x
4Y4AB-QK8-10 x		5/8	10															4Y204-10 x
4Y4AB-QK8-17M x	17																	4Y204-17M x
4Y4AB-QK8-11 x		11/16	11															4Y204-11 x
4Y4AB-QK8-12 x		3/4	12															4Y204-12 x
4Y4AB-QK8-20M x	20																	4Y204-20M x
4Y4AC-QK8-12 x		3/4	12	2.047	3.75	2.66	2.75	3.89	1.13	1.6	1.26	7/16"	0.78	0.56	2.04	1.34	4AC-QK	4Y205-12 x
4Y4AC-QK8-14 x		7/8	14	52	95.3	67.6	69.9	98.8	28.7	40.6	32.0		19.8	14.2	51.8	34.0		4Y205-14 x
4Y4AC-QK8-15 x		15/16	15															4Y205-15 x
4Y4AC-QK8-25M x	25																	4Y205-25M x
4Y4AC-QK8-16 x		1	16															4Y205-16 x
4Y4AD-QK8-16 x		1	16	2.441	4.25	3.12	3.25	4.59	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59	4AD-QK	4Y206-16 x
4Y4AD-QK8-17 x		1-1/16	17	62	108.0	79.2	82.6	116.6	28.7	42.9	32.5		22.1	16.0	54.6	40.4		4Y206-17 x
4Y4AD-QK8-18 x		1-1/8	18															4Y206-18 x
4Y4AD-QK8-30M x	30																	4Y206-30M x
4Y4AD-QK8-19 x		1-3/16	19															4Y206-19 x
4Y4AD-QK8-20 x		1-1/4	20															4Y206-20 x
4Y4AE-QK8-19 x		1-3/16	19	2.835	4.75	3.62	3.62	5.13	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84	4AE-QK	4Y207-19 x
4Y4AE-QK8-20 x		1-1/4	20	72	120.7	91.9	91.9	130.3	30.2	47.0	36.1		25.4	17.5	61.5	46.7		4Y207-20 x
4Y4AE-QK8-21 x		1-5/16	21															4Y207-21 x
4Y4AE-QK8-22 x		1-3/8	22															4Y207-22 x
4Y4AE-QK8-35M x	35																	4Y207-35M x
4Y4AE-QK8-23 x		1-7/16	23															4Y207-23 x
4Y4AF-QK8-23 x		1-7/16	23	3.150	5.12	4	4	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08	4AF-QK	4Y208-23 x
4Y4AF-QK8-24 x		1-1/2	24	80	130.0	101.6	101.6	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8		4Y208-24 x
4Y4AF-QK8-40M x	40																	4Y208-40M x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

X indicates a 2-letter designation for lube & seals
G = food grade grease
F = food grade EPL
Other alpha - refer to page 3
X = standard configuration
O = open (no seal or flinger)
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

Stainless Ball Solution® Four-Bolt Flange (QuiKlean®) with 5/8" Stand-off

CLASSIC or VALUE



Polymer Housing

Set screw locking stainless ball bearing Series "4Y"
Standard four-bolt pattern Series "4"
Polymer housing Series "G"
5/8" stand-off above base "QK"

More Sizes / Styles
Inserts pgs F-5 to F-9
Eccentric inserts in SS or KG: pgs F-10 to F-34
QuiKlean® eccentric: pgs F-34 to F-47
Set screw inserts in SS or KG: pgs F-48 to F-72
QuiKlean® set screw: pgs F-72 to F-85

"x" indicates a 2-letter designation referring to lube & seals

MOUNTED BEARING PART NUMBER	d			Sphere OD size								Bolt size	Brg c/l to front	Brg c/l to back	Overall LTB of brg (I+M)	Brg collar size	Housing PN	Ball bearing PN
	mm	in	16th	D	A	B	E	F	G	L	I	S	M	N	Z	K		SETSCREW
4Y4GA-QK8-12M x	12			1.575	3	2.15	2.13	3.01	1.06	1.47	1.15	3/8"	0.61	0.41	1.76	0.97	4GA-QK	4Y203-12M x
4Y4GA-QK8-08 x		1/2	8	40	76.2	54.6	54.1	76.5	26.9	37.3	29.2		15.5	10.4	44.7	24.6		4Y203-08 x
4Y4GA-QK8-09 x		9/16	9															4Y203-09 x
4Y4GA-QK8-15M x	15																	4Y203-15M x
4Y4GA-QK8-10 x		5/8	10															4Y203-10 x
4Y4GA-QK8-17M x	17																	4Y203-17M x
4Y4GB-QK8-12M x	12			1.850	3.38	2.69	2.5	3.54	1.06	1.57	1.22	3/8"	0.72	0.5	1.94	1.14	4GB-QK	4Y204-12M x
4Y4GB-QK8-08 x		1/2	8	47	85.9	68.3	63.5	89.9	26.9	39.9	31.0		18.3	12.7	49.3	29.0		4Y204-08 x
4Y4GB-QK8-15M x	15																	4Y204-15M x
4Y4GB-QK8-10 x		5/8	10															4Y204-10 x
4Y4GB-QK8-17M x	17																	4Y204-17M x
4Y4GB-QK8-11 x		11/16	11															4Y204-11 x
4Y4GB-QK8-12 x		3/4	12															4Y204-12 x
4Y4GB-QK8-20M x	20																	4Y204-20M x
4Y4GC-QK8-12 x		3/4	12	2.047	3.75	2.93	2.75	3.89	1.13	1.62	1.26	7/16"	0.78	0.56	2.04	1.34	4GC-QK	4Y205-12 x
4Y4GC-QK8-14 x		7/8	14	52	95.3	74.4	69.9	98.8	28.6	41.1	32.0		19.8	14.2	51.8	34.0		4Y205-14 x
4Y4GC-QK8-15 x		15/16	15															4Y205-15 x
4Y4GC-QK8-25M x	25																	4Y205-25M x
4Y4GC-QK8-16 x		1	16															4Y205-16 x
4Y4GD-QK8-16 x		1	16	2.441	4.25	3.63	3.25	4.6	1.13	1.69	1.28	7/16"	0.87	0.63	2.15	1.59	4GD-QK	4Y206-16 x
4Y4GD-QK8-17 x		1-1/16	17	62	108.0	92.2	82.6	116.8	28.6	42.9	32.5		22.1	16.0	54.6	40.4		4Y206-17 x
4Y4GD-QK8-18 x		1-1/8	18															4Y206-18 x
4Y4GD-QK8-30M x	30																	4Y206-30M x
4Y4GD-QK8-19 x		1-3/16	19															4Y206-19 x
4Y4GD-QK8-20 x		1-1/4	20															4Y206-20 x
4Y4GE-QK8-19 x		1-3/16	19	2.835	4.75	4	3.63	5.13	1.19	1.85	1.42	1/2"	1	0.69	2.42	1.84	4GE-QK	4Y207-19 x
4Y4GE-QK8-20 x		1-1/4	20	72	120.7	101.6	92.2	130.3	30.2	47.0	36.1		25.4	17.5	61.5	46.7		4Y207-20 x
4Y4GE-QK8-21 x		1-5/16	21															4Y207-21 x
4Y4GE-QK8-22 x		1-3/8	22															4Y207-22 x
4Y4GE-QK8-35M x	35																	4Y207-35M x
4Y4GE-QK8-23 x		1-7/16	23															4Y207-23 x
4Y4GF-QK8-23 x		1-7/16	23	3.150	5.13	4.56	4	5.66	1.19	1.87	1.39	1/2"	1.19	0.75	2.58	2.08	4GF-QK	4Y208-23 x
4Y4GF-QK8-24 x		1-1/2	24	80	130.3	115.8	101.6	143.8	30.2	47.5	35.3		30.2	19.1	65.5	52.8		4Y208-24 x
4Y4GF-QK8-40M x	40																	4Y208-40M x

QuiKlean® housing with integral standoff is 5/8" above the base of standard units

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G = food grade grease
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X = standard configuration
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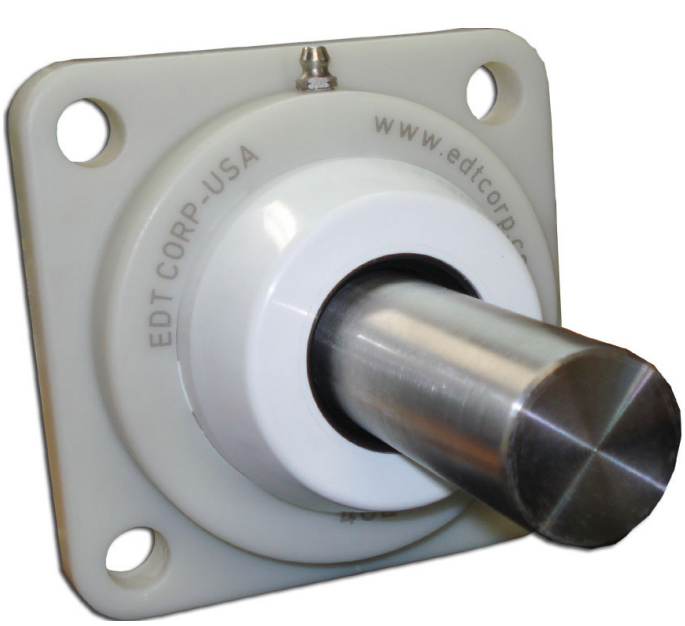
Others - refer to page 3
Example: GX = food grade grease with standard seals & flingers

ENGINEERING NOTES

SOLUTION® HOUSINGS WITH SAFETY CAPS

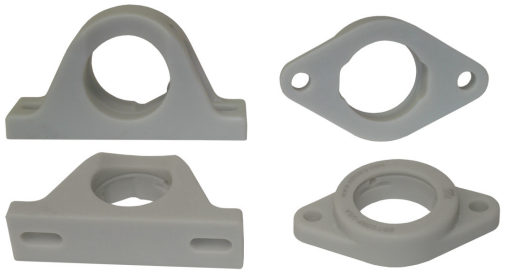


Cast polymer bearing housings with blind- or thru-bore safety caps

- Smooth lines minimize places that are difficult to clean
- No additional hardware necessay
- Available in all bearing styles
- Available for insert sizes 47mm (204 ring) to 90 mm (210 ring) sizes
- Housings accept EDT and other industry-standard bearing inserts

EDT SOLUTION® POLYMER HOUSINGS & CAPS

FEATURES AND BENEFITS:



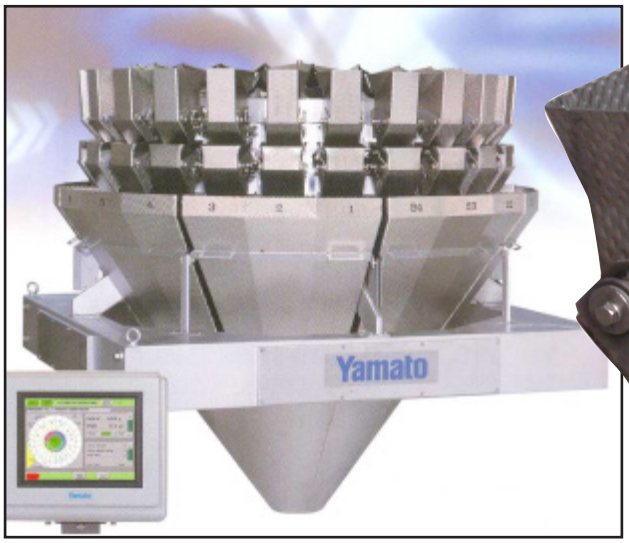
- Housings are sanitary, easy to clean, won't chip or peel.
- Housing mounting surfaces smooth and flat.
- Gray color complements stainless equipment.
- Housing available in all styles and sizes; blind caps and thru caps available for most popular sizes.
- Housing can be reusable many times. New caps can be purchased separately.
- Cap fits over most kinds of insert bearings, including:

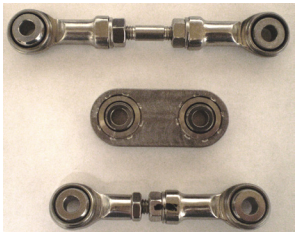
Ball Bearing	**3-Piece ALL-ROUND® Bearing**	**Poly-Round® Bearing**
		
EDT stainless, or any brand; regreaseable or solid lubricated	No grease in EDT plane bearings results in cleanest bearing operation over time.	

PART NUMBERING OF EDT SOLUTION® HOUSING INCLUDING A SAFETY CAP						
Bearing Identifier	Housing Shape	Housing Style (material)	EDT Group size correlates to insert OD	Shape modifier & cap identifier	Assembly modifier	– Shaft size
ZY NA QB QF ZJ ZW etc...	1 or 10 = PB 2 = 2-Bolt 3 = 3-Bolt flange 4 = 4-Bolt flange 6 = Small 2-bolt 8 = Hangar 9 = Tapped base	G = Polymer	B = 204 ring/47 mm C = 205 ring/52 mm D = 206 ring/62 mm E = 207 ring/72 mm F = 208 ring/80 mm H = 210 ring/90 mm	- CB = Cap blind - TB = Cap thru	8 – ball bearing assembly 9 or 7 or 4 – Poly-Round® with sleeve assembly 5 or 3 – Poly-Round® without sleeve assembly	– Inch or metric
Example: ZY4GC-CB8-1 or NA4GE-CB7-1-1/4 (shown in cover photo, right side) ZY4GC-TB8-25 or NA4GE-TB7-1-3/8 (shown in cover photo, left side)						

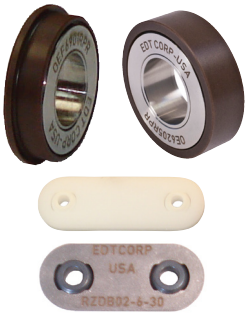
For polymer housings ..... See section B (Amber)
For All-Round® Bearings ..... See section D (Red)
For Poly-Round® Bearings ..... See section B (Amber)
For stainless ball bearings ..... See section F (Light Gray)

Yamato Weigh Scale Bearing Components





Original Components



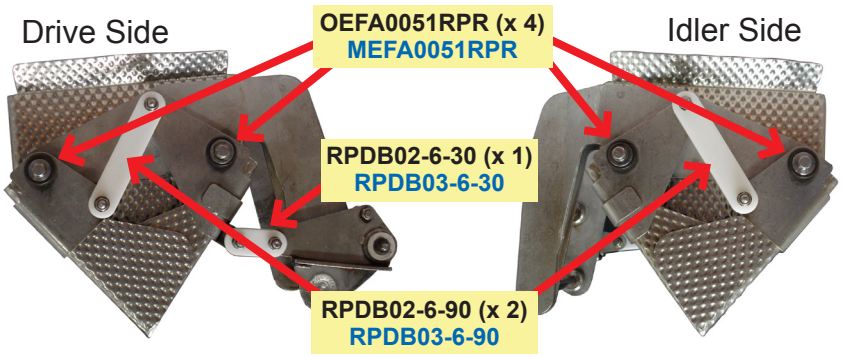
Non-Corrosive Components

Non-Corrosive & Metal Detectable Components

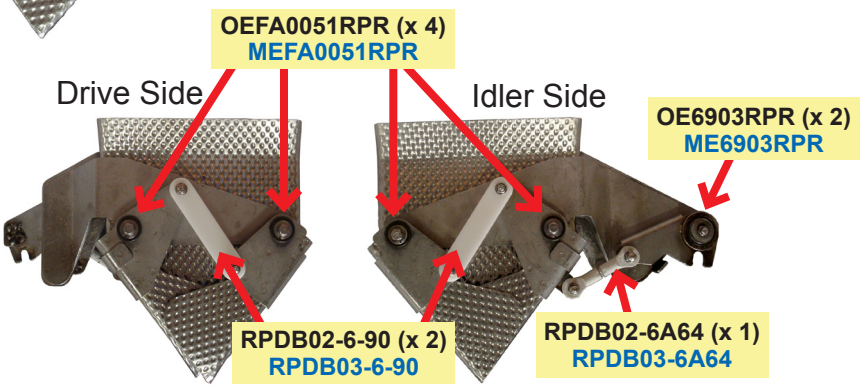
Weigh scale bearings by EDT are made of stainless steel and polymer to operate reliably over time

- Eliminate the rusting of standard components
- No grease; USDA accepted
- Unaffected by washdown
- Save time: Bucket maintenance significantly reduced
- Made in U.S.A.

Yamato Model ADW-714SWH



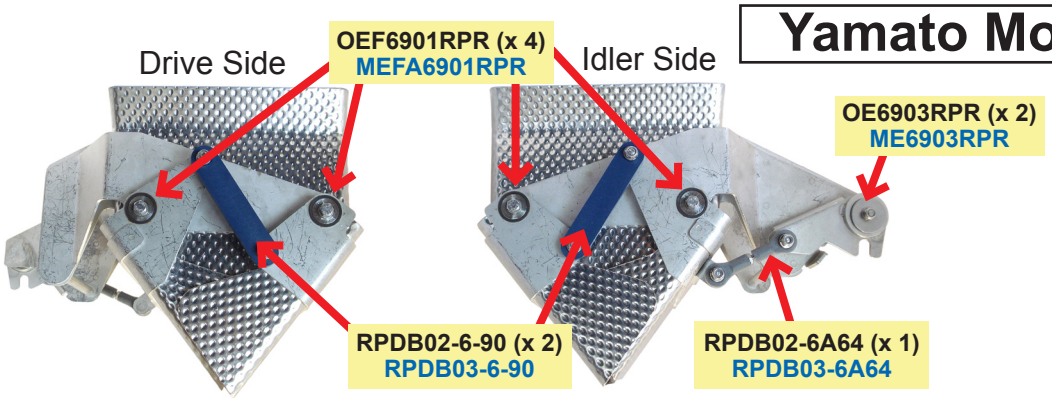
Total Retrofit Weigh Bucket Components on Yamato ADW-714SWH



Total Retrofit Feed Bucket Components on Yamato ADW-714SWH

Part Number Key
Black = White Poly
Blue = Metal Detectable

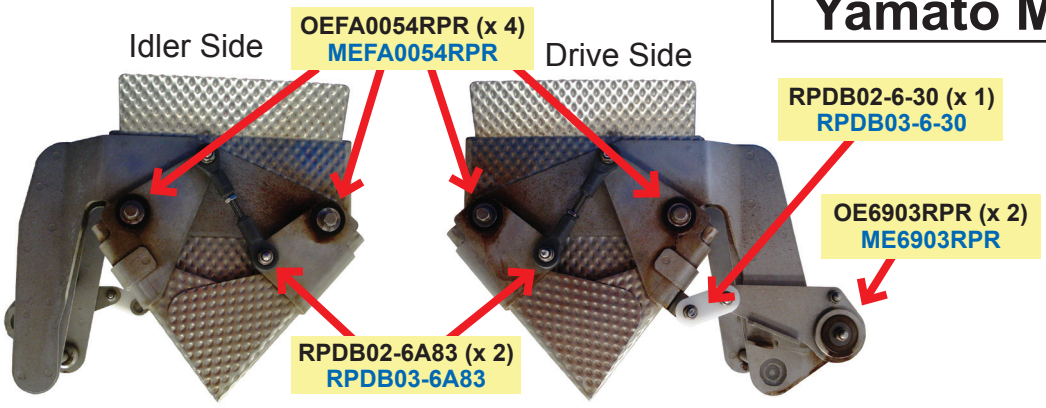
Yamato Model ADW-720SW



Total Retrofit Feed Bucket Components on Yamato ADW-720SW

Part Number Key
Black = White Poly
Blue = Metal Detectable

Yamato Model ADW-714SW



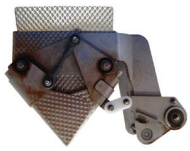
Total Retrofit Weigh Bucket Components on Yamato ADW-714SW

Part Number Key
Black = White Poly
Blue = Metal Detectable

COMPARING THE COST OF OWNERSHIP

EDT BEARINGS ON YAMATO SCALE ADW-714SWH

VERSUS STANDARD REPLACEMENT PARTS



Costs with Yamato Original Equipment Parts

Based On

Bushings lasting 2 months
Ball bearings lasting 6 months
Linkage lasting 1 year

Scale Components & Labor Costs in 1 Year

- **Cost to Purchase Bushing**
  SA44117A0051 $15.00
  4 bushings per feed bucket + 4 bushings per weigh bucket = 8 bearings / head x 14 heads x 112
  $1,680.00
  
  Replace bushing 6 times per year x 6
  $10,080.00

- **Cost to Purchase Bearings**
  SA44117A0013 (6903) $36.00
  2 bearings per feed bucket x 14 buckets/scale x 28
  $1,008.00
  
  Replace bearings 2 times per year x 2
  $2,016.00

- **Cost to Purchase Linkages**
  GB02302A0496 $148.00
  2 linkages per feed bucket + 2 linkages per weigh bucket = 4 linkages / head x 14 heads x 56
  $8,288.00
  
  Replace linkage 1 time per year x 1
  $8,288.00

One year component costs $20,384.00

- **Cost to Rebuild Buckets with OEM Components**
  Labor: $35/hour x 45 minutes per bucket $26.25
  28 buckets per scale x 28
  Labor cost to rebuild 1 scale 1 time $735.00
  Yamato components require 6 rebuilds/year x 6

One year component costs $4,410.00

Total annual cost OEM parts + labor $24,794.00

Costs with EDT Scale Components

Based On

Interchanging bushing + ball bearings to
EDT Radial Poly-Round® units
plus using EDT polymer/stainless linkage
All components lasting 1 year

Scale Components & Labor Costs in 1 Year

- **Cost to Purchase Radial Poly-Round®**
  OEFA0051RPR $84.00
  4 bearings per feed bucket + 4 bearings per weigh bucket = 8 bearings / head x 14 heads x 112
  $9,408.00
  
  Replace RPR every 12 months x 1
  $9,408.00

- **Cost to Purchase Radial Poly-Round®**
  OE6903RPR $71.00
  2 bearings per feed bucket x 14 buckets/scale x 28
  $1,988.00
  
  Replace RPR every 12 months x 1
  $1,988.00

- **Cost to Purchase Linkages**
  RPDB03-6-90 $127.00
  2 linkages per feed bucket + 2 linkages per weigh bucket = 4 linkages / head x 14 heads x 56
  $7,112.00
  
  Replace linkage 1 time per year x 1
  $7,112.00

One year component costs $18,508.00

- **Cost to Rebuild Buckets with EDT Components**
  Labor: $35/hour x 45 minutes per bucket $26.25
  28 buckets per scale x 28
  Labor cost to rebuild 1 scale 1 time $735.00
  EDT components require 1 rebuild/year x 1

One year component costs $735.00

Total annual cost OEM parts + labor $19,243.00

Original Equipment total one-year costs $24,794.00
versus EDT component total one-year costs $19,243.00
1 year savings with EDT - per scale $5,551.00

Per each Yamato ADW-714SWH
X (example) 4 scales in a facility
= $22,204.00

Additional EDT parts can be interchanged to realize further savings.

The above illustration is based on average plant conditions
Individual results can vary based on installation and maintenance practices, and environmental conditions.

EDT CORP
1006-J 146th Street
Vancouver, WA 98685

www.edtcorp.com
2013 prices

PH: 360-574-7294
FAX: 360-574-3834
edtsales@edtcorp.com

Yamato Scale Components

EDT polymer and stainless plane bearing links, rod ends and radial bearings directly replace original equipment weigh scale components with NO grease and NO rust. The advantage is reliable operation without contamination, and reduced mainenance cycles.

Linkages

Original component


02 = white plastic


03 = blue metal detectable

Part No. Key (RPDB02-6-28)

RP	Rod end polymer
D	Link material white
3	Link material metal detectable
B	Assembly
02	White plastic ball
03	Metal detectable ball
-6	Bore size
-28	Center-to-Center

All White Assembly p/n (1 link + 2 balls)	Components (1 ea) Link only	Components (2 ea) Balls / unit	Center to Center Distance	**Metal Detect-able Assembly p/n** (1 link + 2 balls)	Components (1 ea) Link only	Components (2 ea) Balls / unit
RPDB02-4-28	*RPD-4-28*	4MM BALL	28 mm	RPDB03-4-28	*RP3-4-28*	4ME BALL
RPDB02-4-34	RPD-4-34	4MM BALL	34 mm	RPDB03-4-34	RP3-4-34	4ME BALL
RPDB02-4-38	RPD-4-38	4MM BALL	38 mm	RPDB03-4-38	RP3-4-38	4ME BALL
RPDB02-4-50	RPD-4-50	4MM BALL	50 mm	RPDB03-4-50	RP3-4-50	4ME BALL
RPDB02-4-54	RPD-4-54	4MM BALL	54 mm	RPDB03-4-54	RP3-4-54	4ME BALL
RPDB02-4-63	RPD-4-63	4MM BALL	63 mm	RPDB03-4-63	RP3-4-63	4ME BALL
RPDB02-4-67	RPD-4-67	4MM BALL	67 mm	RPDB03-4-67	RP3-4-67	4ME BALL
RPDB02-6-28	RPD-6-28	6MM BALL	28 mm	RPDB03-6-28	RP3-6-28	6ME BALL
RPDB02-6-30	RPD-6-30	6MM BALL	30 mm	RPDB03-6-30	RP3-6-30	6ME BALL
RPDB02-6-35	RPD-6-35	6MM BALL	35 mm	RPDB03-6-35	RP3-6-35	6ME BALL
RPDB02-6-45	RPD-6-45	6MM BALL	45 mm	RPDB03-6-45	RP3-6-45	6ME BALL
RPDB02-6-65	RPD-6-65	6MM BALL	65 mm	RPDB03-6-65	RP3-6-65	6ME BALL
RPDB02-6-86	RPD-6-86	6MM BALL	86 mm	RPDB03-6-86	RP3-6-86	6ME BALL
RPBD02-6-90	RPD-6-90	6MM BALL	90 mm	RPBD03-6-90	RP3-6-90	6ME BALL
RPDB02-6-95	RPD-6-95	6MM BALL	95 mm	RPDB03-6-95	RP3-6-95	6ME BALL
RPDB02-6-99	RPD-6-99	6MM BALL	99 mm	RPDB03-6-99	RP3-6-99	6ME BALL

ID Size Color Key

4 mm | 5 mm | 6 mm | 12 mm | 15 mm | 17 mm

Rod Ends


Original component

Part No. Key (RPDB02-6A64)

R	Rod end
P	Polymer
F	Female
R	Right hand threads
02	White plastic ends
03	Metal detectable ends
-6	Bore size
A	white plastic
-64	Minimum adjust size


02 = white plastic


03 = blue metal detectable

	Standard	Replacement polymer ends	**Metal Detectable**	Replacement MD Polymer Ends
Adjusts 63-73 mm	RPDB02-6A64	RPFR6A-6	RPDB03-6A64	RPF36A-6
Adjusts 83-110 mm	RPDB02-6A83	RPFR8A-6	RPDB03-6A83	RPF38A-6

Radial Poly-Round®

Non-rusting ball bearing replacements can simplify mini-assemblies

OEFA0054RPR

Part NO. Key (OEF6901RPR)

OE	Material (Brown)
ME	Metal detectable
F	Flange
6901	Equivalent radial size
RPR	Radial Poly-Round®

Radial bearing p/n	ID-OD-LTB	Flange	Interchange notes
OEF696/4RPR	4 x 15 x 5	17	
OEF624/6RPR	5 x 13 x 6	15	
OEF628/6RPR	6 x 13 x 5	15	10-12-16 Retrofits GB02307A0676 on ADW-714SW Retrofits 628/6ZZ on ADW-414
OEF619/6RPR	6 x 15 x 5	17	11-12 Retrofits GB02307A0677 on ADW-714SW, ADW-414
OEFA0051RPR	6 x 21 x 9	24	16 Retrofits SA44117A0051 on ADW-714SWH
OEFA0054RPR	6 x 24 x 9	27	Retrofits SA44117A0051 on ADW-714SW
OE688RPR	8 x 16 x 5	--	
OE61800RPR (6800)	10 x 19 x 5	--	
OE16100RPR	10 x 28 x 8	--	
OEF6901RPR	12 x 24 x 6	26	On ADW-414
OE61802RPR (6802)	15 x 24 x 5	--	
OEF69A3RPR	15 x 30 x 7	32	Replaces F6903-2RS + spacer to15 mm ID
OEF6903RPR	17 x 30 x 7	32	Replaces 6903-2RS + washer
OE6903RPR	17 x 30 x 7	--	Retrofits SA44117A0013 on ADW-714SW + SWH

Let EDT Help!
Complete a Bearing Design Checklist for EDT selection assistance
edtcorp.com/docs/bearing-design-checklist.pdf
Bookmark it!

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Bearings For Severe Service Environments

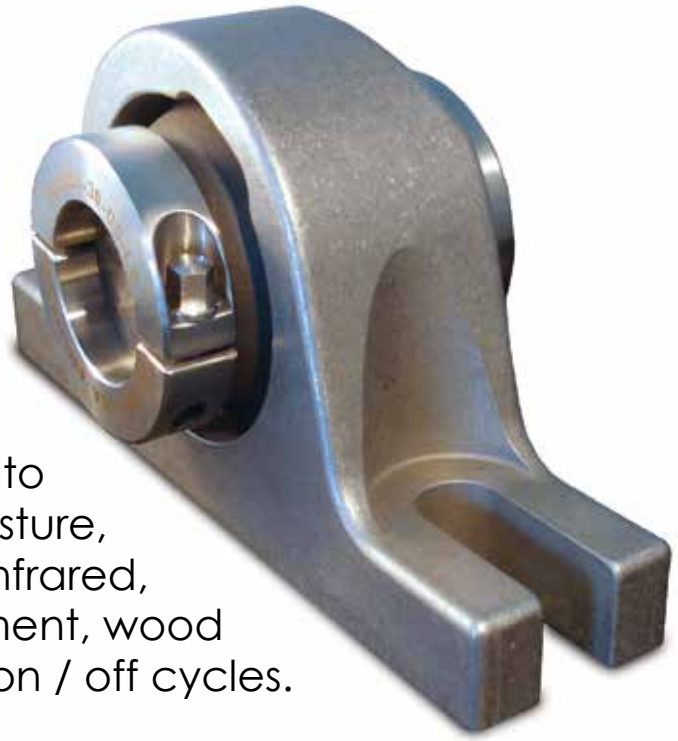
GREASELESS BEARINGS FOR HIGH TEMPERATURE LOCATIONS

GOT BEARINGS THAT NEED TO TAKE THE HEAT?

Look to EDT for solutions to high temperature bearing problems.

The two big challenges to bearings operating in high heat locations are lubrication and expansion. EDT offers Poly-Round® bearings specifically for ovens and other high heat installations that:

- **Require NO grease**
- **Accommodate shaft expansion with fixed and "floating" styles readily available**



Consider Poly-Round® bearings for applications from 200°F / 94°C to 1,000°F / 540°C operating at low to moderate speed, regardless of moisture, wash-down, heating mechanism (infrared, direct or indirect-fired, air impingement, wood fired, gas or electric), hot / cold or on / off cycles.

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Poly-Round® and Radial Poly-Round® oven bearings are proving their value on ovens made by these manufacturers

APV-Baker, Babbco, Casa Herrera, Gemini, Heat and Control, JBT-Stein JSO, Lawrence, MIWE and others

Expansion

Fixed

Radial Poly-Round®

Contact EDT for assistance with bearings operating in all kinds of high temperature environments, including tunnel or batch ovens, smoke houses, proofers, furnaces, kilns, dampers, kettle or batch fryers, steamers or blanchers, retorts, bagel boilers, autoclaves, branders, dryers, etc.

EDT 1 YEAR GUARANTEE

Poly-Round® bearings are GUARANTEED for 1 year of low maintenance life on conveyors that are spocket-driven (wire belts, modular plastic belts, idler rollers), or EDT will replace it with the bearing of your choice.

When bearing exhibits excessive wear in one direction, the insert can be rotated 180° to extend bearing life.

180°

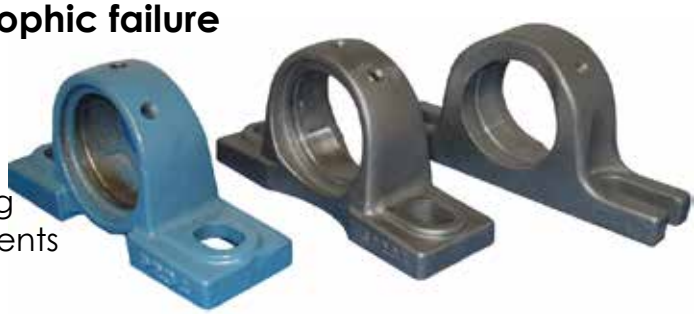
Advantages of Poly-Round® Bearings in High Temperatures

- **Greaseless**
  - Eliminate labor for maintaining grease
  - Eliminate cost of materials for maintaining grease
  - Eliminate process contamination from grease
  - No unsightly bearings from grease melting out of the bearings

United States Department of Agriculture USDA Accepted Equipment

- **No rust - materials are corrosion resistant**
- **Less maintenance due to solid construction parts (no rolling elements)**
- **Predictable wear allows scheduled maintenance**
- **No lost parts or pieces in a catastrophic failure**
- **Plane bearings are self-lubricating**
- **Replace only worn components**

EDT offers a choice of housings depending on visual, sanitary & operational requirements



Cast Iron | Cast Stainless | Machined Stainless

Let EDT Sweat The Details:

Complete a Bearing Design Checklist for selection assistance

Bookmark it!
www.edtcorp.com/html_pages/technical.html

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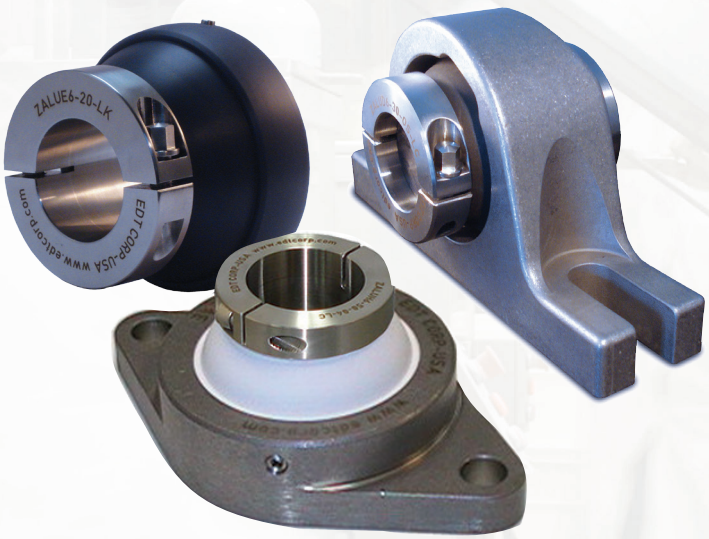
GREASELESS BEARINGS FOR HIGH TEMPERATURE LOCATIONS

Keep your cool operating ovens and other hot spots

with Poly-Round® bearings



- **Less downtime / More UP-time**
- **No grease!**
- **Cleaner, dependable operations**
- **Reduced maintenance**
- **Eliminate collateral equipment damage**
- **Reduced fire safety concerns**
- **Eliminates unsightly grease buildup**

It's not easy to keep ball bearings operating reliably in high temperature locations. If you're tired of the mess, time and expenses that come with keeping equipment running in hot spots, look to ***GREASELESS*** EDT Poly-Round® bearings. You'll gain reliability with BIG payback.

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Compare the Cost Of Ownership

On oven belt support rollers
EDT Poly-Round® bearings save time, eliminate grease, and prevent collateral damage

1 year comparison of Poly-Round® bearings versus stainless ball bearing in metal housing	 Original SS ball bearing	 EDT Poly-Round® QF9FE7-23-LCHTE
A. Initial cost of bearing & housing	188.23	455.00
B. Installation labor $30/hr (.50/min) x 1 hour	30.00	30.00
C. **Frequency of replacement (per year)**	4 times	1 time
D. **Annual bearing cost**	872.92	485.00
E. **Cost to lubricate bearing** (i.e. Lubriplate® Syn 1600) **Grease:** .55/ounce x 1 oz lube **Labor:** (.50 per min) x 1 min 5 days/week x 52 weeks	0.55 + 0.50 1.05 x 260 273.00	Poly-Round® requires no grease 0.00
F. After 6 months **Rotate Poly-Round® 180°** Labor (1 hour at $30/hr)	N/A	30.00
One year cost of bearings on one end of one roller	1,145.92	515.00
Annual savings x 32 bearings per oven	**$630.92** **$20,189.44** **1 year savings per oven with EDT Poly-Round®**	

Poly-Round® inserts with locking sleeves readily accommodate shaft expansion

- **Floating end bearings include a .6" longer sleeve**
- **Fixed end bearings include a stainless split collar**
- **Greaseless**

EDT locking sleeves

- 316 stainless steel for toughness and corrosion resistance (other materials available)
- Provide an optimum running surface that extends life of Poly-Round® insert
- Protect the shaft from wear and collateral damage
- Improve journal of less-than-ideal shaft in lieu of replacement
- May be used through multiple Poly-Round® change-outs

When Poly-Round® bearing is worn too far in one direction, rotate bearing

180°

to use the other half

Poly-Round® High Temperature Materials

Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	USDA/FDA Contact Approval
FA white	6,000	350	1,000	500°F	Direct
QF black	60,000	400	6,000	450°F	Incidental
MZ black	6000	300	4,000	650°F	Incidental
MY black	5000	250	3,000	800°F	Incidental
ZZ smokey silver	-	Intermittent motion	Up to 100,000	1100°F	Incidental

Let EDT sweat the details:

For help with a specific application complete a Bearing Design Checklist

www.edtcorp.com/html_pages/technical.html

Bookmark it!

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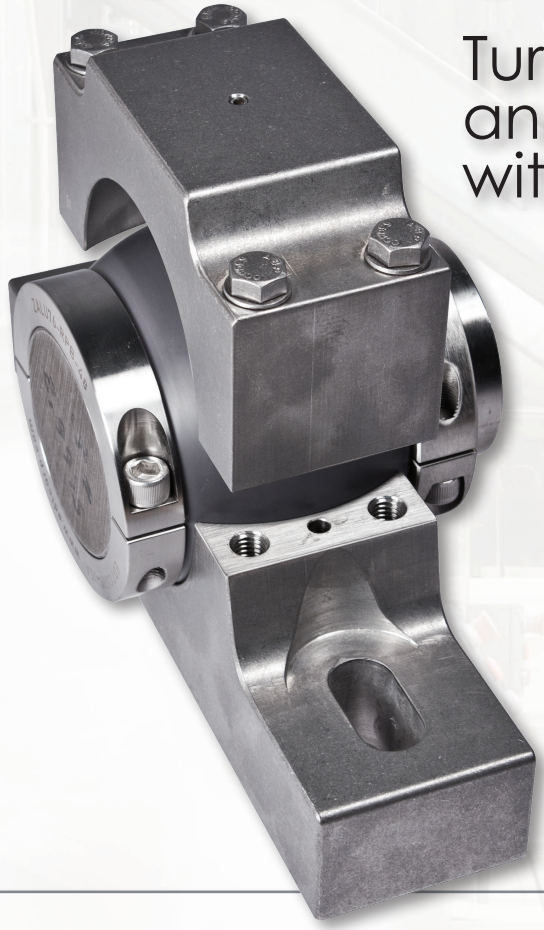
EDT Type E Solution® Bearings for Horizontal Blenders/Mixers

Worth every penny!

Turn to EDT grease-less bearings and enhance food safety with a proven, rust-free bearing



United States Department of Agriculture USDA AMS Accepted Equipment

Type E Solution® Bearings:

- Clean operation – unaffected by process moisture and washdown
- No grease, never need to lubricate
- No rust, avoid red water
- Long and reliable life with no maintenance – solid construction
- No process contamination from paint or grease
- Double the life by rotating the bearing insert 180°

180°

edt

Bearings For Severe Service Environments

COMPARE THE COSTS OF OWNERSHIP OF

EDT Type E Solution® 4-Bolt

ON FOOD PROCESSING RIBBON BLENDER

EDT bearings save money, time, and labor!

Cost of original bearing

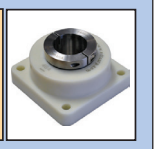
Based on standard Type E lasting 16 weeks *and then replace complete unit*

1st Year

Cost to purchase bearing F4BE207	**$583.00**
Cost to initially install bearing	
Labor: $35/hr x 1/2 hour	$17.50
Cost of bearing and installation	$600.50
Bearing change-outs per year: 52 weeks	
divided by average 16 week life	x 3
Cost of bearing	$1,801.50
Cost of lubricant: Lubriplate® LFG	
1 oz/application at 30¢/ounce	$0.30
Labor: 58¢ per minute x 2 minutes	+ $1.16
PM frequency: 3 times/week x 52 weeks	x 156
	$227.76
Total 1 year bearing cost	$2,029.26
x 2 bearings per machine	x 2
One year cost of bearings per machine	**$4,058.52**

Cost of EDT Type E Solution®

Based on Type E Solution® Poly-Sphere® lasting 2 years *rotate insert after 12 months and reuse other components multiple times*



1st Year

Cost to purchase EDT bearing NA4G6-39	**$1,600.00**
Cost to initially install bearing	
Labor: $35/hr x 1/2 hour	$17.50
Cost of each bearing with installation	**$1,617.50**
Bearing change-outs per year	x 1
1 year cost to buy/install bearings	**$1,617.50**
Cost of lubricant:	
EDT Poly-Sphere® bearing is grease-less and non-rusting so eliminates process contamination	**$0.00**
Total 1 year bearing cost	$1,617.50
x 2 bearings per machine	x 2
One year cost of bearings per machine	**$3,235.00**

Machine's 1 year cost with original bearings	$4,058.52
versus 1 year cost with EDT bearings	$3,235.00
First Year Savings	**$823.52**

One year savings with EDT bearings!

x 1 Blender per facility **$823.52**

2nd Year

Continue same costs as 1st year

One year machine cost with original bearings (This includes change-out labor plus lubrication 3 times per week)	$4,058.52
2nd year cost of bearings per blender	**$4,058.52**
Total 2 year cost of bearings on 1 blender	**$8,117.04**

2nd Year

When bearing is worn too far into one direction, rotate insert 180° to utilize other half of sphere

Poly-Sphere® **NAOU06O-RPB** ($480 replacement)	$0.00
Labor to rotate insert: $35/hour x 1/2 hour	$17.50
2nd year cost of bearings per blender	**$17.50**
Total 2 year cost of bearings on 1 blender	**$3,252.50**

Machine's 2 year costs with original bearings	$8,117.04
versus 2 year costs with EDT bearings	$3,252.50
Savings per blender	**$4,864.54**

x 1 Blender per facility

Savings over 2 years using EDT bearings!

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions.
Individual results can vary based on installation and maintenance practices, and environmental conditions.

Equipment where EDT Type E bearings can retrofit

AMFEC • Blentech • FPEC
Cozzini • Griffith • Mepaco
Wolf-Tec • Wolfking

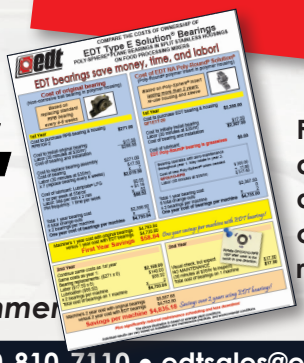
When Poly-Sphere® bearing is worn too far in one direction, rotate it **180°** to utilize the other half

Ask EDT for bearing selection assistance by completing a

Bearing Design Checklist

www.edtcorp.com/html_pages/technical.html

Bookmark it!



For a Cost Of Ownership analysis of your application, contact an EDT sales representative today

Bearings For Severe Service Environments

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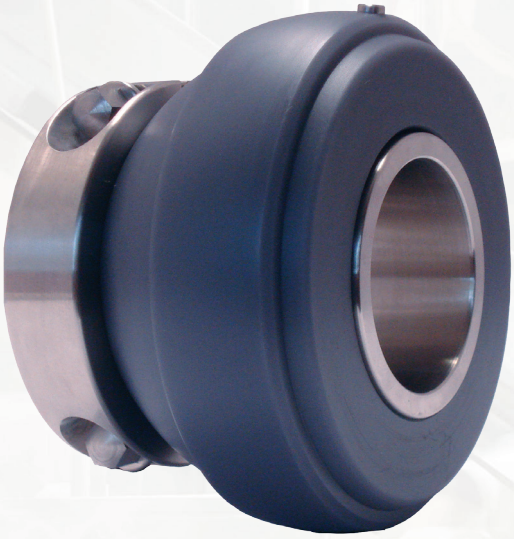
EDT Bearings for HMI Dryers



What does a $40 dryer lid bearing REALLY cost you?

Replace ball bearings with **Poly-Round® Plus** corrosion-free bearings from EDT, and reduce costs and time every week

Get the EDT Advantage!

- Reduced PM time - NO GREASE
- Unaffected by washdown - NO RUST
- Will not damage shaft
- Eliminate red water - CLEANER OPERATION
- Significant cost savings

edt

Bearings For Severe Service Environments

Compare the real, side-by-side cost of a standard ball bearing to an EDT Poly-Round® Plus bearing!

Comparing the costs of ownership of **EDT Poly-Round® Plus Insert versus standard ball bearing** on HMI Dryer lid shaft

Cost of original ball bearings Based on standard bearing lasting 4.5 years (56 months). The bearings and shaft are both replaced at the same time		**Cost of EDT Poly-Round® Plus** Based on EDT bearing operating as long as original bearing: 4.5 years	
Cost to purchase bearing 2 bearings per hinge	$38.00 x2 **$76.00**	**Cost to purchase bearing** **NAIPH7-31-LK** 2 bearings per hinge	$323.00 x 2 **$646.00**
Cost to install bearings 6 hours @ $40/Hour	**$240.00**	**Cost to install bearings** 6 hours @ $40/Hour	**$240.00**
Cost of lubrication Lubriplate FLG at 30¢ /ounce x 1 ounce Labor: $40/Hr. = 66¢ /Min. 66¢ /Min. x 5 mins per lube cycle Labor & material per lube cycle 1 time/week x 52 weeks/year x 4.5 years **Total cost to lubricate bearings**	$0.30 $3.30 $3.60 x 234 **$842.40**	**Cost of lubrication** **EDT Poly-Round® bearings and sleeves are greaseless and non-rusting!** **Total cost to lubricate bearings**	**$0.00**
Cost to replace lid shaft Every time bearings are changed, shaft is changed. Facility cost of shaft change:	**$2,000.00**	**Cost to replace lid shaft** **There is no damage to shaft using Poly-Round® bearings and sleeves!**	**$0.00**
Bearing Related Expenses with ball bearings over 4.5 year life	**$3,158.40**	**Bearing Related Expenses with EDT bearings over 4.5 year life**	**$886.00**

Original bearing total cost of ownership: $3,158.40
versus EDT bearing total cost of ownership: $886.00
Savings per dryer: $2,272.40 **x 20 HMI Dryers** **= $45,448.00**

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions.
Individual results can vary based on installation and maintenance practices, and environmental conditions.

Are there other locations where current bearings aren't lasting as long as you'd like or cause other problems?

Let EDT Help!

Complete a
Bearing Design Checklist (BDC)
today and you'll hear from us promptly!

www.edtcorp.com/html_pages/technical.html

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Bearings For Severe Service Environments

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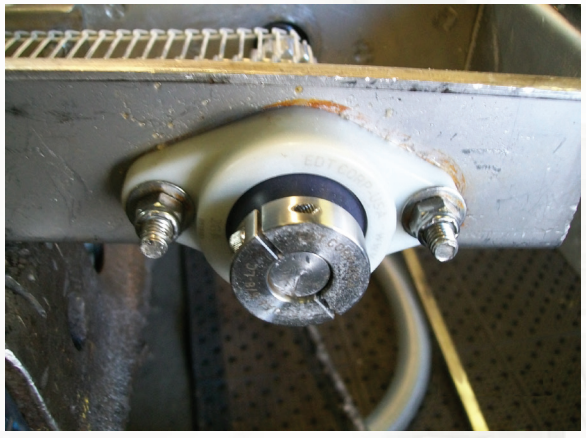
POLY-ROUND® BEARINGS FOR MODULAR BELTS

So reliable that we guarantee it.



Twelve reasons why using EDT Poly-Round® bearings on your modular belts will save time and money and a lot of headaches

1. Grease-free means reduced PM time
2. Unaffected by washdown - NO RUST
3. Increased up time, decreased down time
4. USDA accepted
5. Interchangeable with bearings of most brands
6. Eliminates catastrophic failure
7. Eliminates metal contamination
8. Eliminates machine damage from broken ball bearings
9. No contamination makes this the ideal bearing to run directly over food product zones
10. Direct and measureable investment return
11. Bearings can be reused by rotating 180°
12. Predictable maintenance

United States Department of Agriculture USDA AMS Accepted Equipment

EDT 1 YEAR GUARANTEE

On sprocket-driven modular plastic and wire belt conveyors, EDT GUARANTEES the NA Poly-Round® bearing to last 1 year, or EDT will replace it with the bearing of your choice.

Poly-Round® Plus retrofits a ball bearing in most brands of housings

edt

Bearings For Severe Service Environments

COMPARE THE COSTS OF OWNERSHIP OF

EDT NA Poly-Round® Solution® Bearings

ON STRAIGHT RUN MODULAR PLASTIC OR WIRE BELT CONVEYORS

EDT bearings save money, time, and labor!

Cost of original bearing

(Non-corrosive ball bearing in polymer housing)

Based on replacing bearing and housing every 6 months

1st Year

Cost to purchase original bearing & housing F2BSCEZ100	**$114.17**
Cost to initially install bearing	
Labor (1 hour at $30/hr)	**$30.00**
Cost of bearing and installation	$144.17
Bearing change-outs per year	
52 weeks divided by 6 months	x 2
1 year cost to buy/install bearings	**$288.34**
Cost of lubricant: Lubriplate® LFG	
1 oz per week at 55¢/oz	$0.55
Labor: 50¢ per min x 1 min	0.50
PM frequency: 2 times per week	x 104
	$109.20
Total 1 year bearing cost	$397.54
x number of bearings per machine	4
One year cost of bearings per machine	**$1,590.16**

Cost of EDT NA Poly-Round® Solution®

(Poly-Round® polymer insert in polymer housing)

Based on re-using housing and sleeve, and replacing only the insert every 12 months

1st Year

Cost to purchase EDT bearing & housing **NA2GC7-16-LK**	**$167.00**
Cost to initially install bearing	
Labor (1 hour at $30/hr)	**$30.00**
Cost of bearing and installation	$197.00
Poly-Round® bearing guaranteed to run 12 months with zero maintenance (EDT 1 YEAR GUARANTEE)	
1 year cost to buy/install bearings	**$197.00**
Cost of lubricant:	
EDT Poly-Round® bearing is greaseless	**$0.00**
Total 1 year bearing cost	$197.00
x number of bearings per machine	4
One year cost of bearings per machine	**$788.00**

Machine's 1 year cost with original bearings	$1,590.16
versus 1 year cost with EDT bearings	$788.00
Savings per machine	**$802.16**

One year savings with EDT bearings! x 6 modular belt conveyors per facility **$4,812.96**

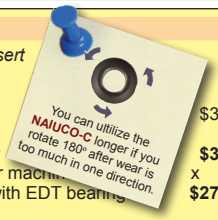
2nd Year

Continue same costs as 1st year

Total 2nd year bearing cost	**$397.54**
x number of bearings per machine	x 4
2nd year machine cost with original bearings	**$1,590.16**
Total 2-year cost of bearings on 1 machine	**$3,180.32**

2nd Year

Replace Poly-Round® insert



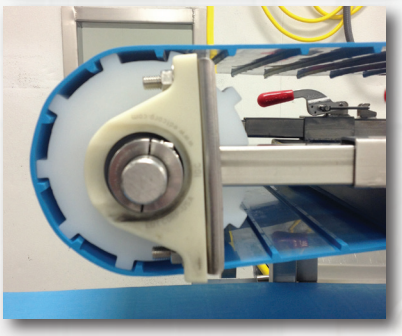
Poly-Round® **NAIUCO-C**	$38.00
Labor: $30/hour x 1 hour	**$30.00**
x number of bearings per machine	x 4
2nd year machine cost with EDT bearings	**$272.00**
Total 2-year cost of bearings on 1 machine	**$1,060.00**

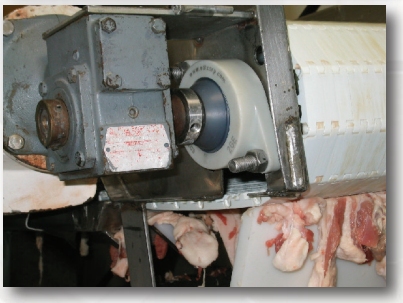
Machine's 2 year cost with original bearings	$3,180.32
versus 2 year cost with EDT bearings	$1,060.00
Savings per machine	**$2,120.32**

Savings over 2 years using EDT bearings! x 6 modular belt conveyors per facility **$12,721.92**

Plus significantly reduced maintenance scheduling and less downtime!

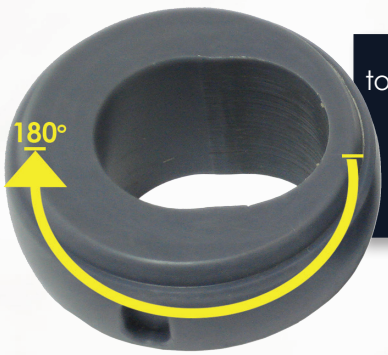
The above illustration is based on average plant conditions.
Individual results can vary based on installation and maintenance practices, and environmental conditions.





Conveyors where Poly-Round® bearings are a good choice

- Transfer conveyors
- Accumulating conveyors
- Dewatering equipment
- Inspection belts
- Breader belts
- Packaging conveyors



When Poly-Round® bearing is worn too far in one direction, rotate bearing

180°

to use the other half

For help with a specific application, complete a **Bearing Design Checklist** and EDT will help you select the best bearing type and material for the job

www.edtcorp.com/html_pages/technical.html

Bookmark it!

EDT's Poly-Round® bearings are not designed for curves or high speed

Bearings For Severe Service Environments

EDT Corp • 1006-J NE 146th St. Vancouver, WA 98685 • 800-810-7110 • edtsales@edtcorp.com

Grease-less Bearings

Radial Poly-Round® Rollers

Non-rusting rollers for Fillers, Cookers and Baggers

Replace parts that look like this...

...with parts that look like this.

If your components are looking like the traditional ball bearing on the left, non-rusting Radial Poly-Round® rollers from EDT Corp. may fill the bill. Made of 316-stainless steel hub and a bearing-grade polymer wheel, RPR style retrofits are non-corroding, operate without grease, and are clean and reliable.

For rollers operating in locations with these conditions:

- Moderate- to low- speed
- Oscillation or intermittent motion
- Process moisture: edible product, brine, chemicals, wash-down
- High temperature steam, hot water, cookers, retorts
- Operating over other process lines

EDT Radial Poly-Round® interchange parts are:

- Non-corrosive and non-rusting
- Completely grease-less
- USDA/NSF accepted
- Non-contaminating: ideal for HACCP/HARPC programs
- Reliable operating even in locations that challenge more traditional components

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Radial Poly-Round® Rollers are proving their value on equipment made by the following manufacturers

Brand	Equipment Type	Original Part	Photo	EDT Part Number
Zilli & Bellini	Bulk Fillers	6205-2RS Filler Head Rollers		OE6205RPR
Elmar	Particulate Fillers	V-Wheel with two each R8-2RS Bearings		OEVR8X2RPR-D0420
Norwalt	Packaging of household and personal care products	3/4" Yoke 1" Yoke		OECYR-12-SRPR OECYR-16-SRPR
Allpax	Retorts, Cookers	5203-2RS Bearing for Crown Roller Assembly		QF5203RPR
Bosch	Rotary Baggers	638-2RS 16100-2RS Filler/Sealer Head Support Roller		OE638RPR OE16100RPR
Yamato	Weigh Scales	F6903 Bucket Door Bearing Assembly		OEF6903RPR OEF69A3RPR

Sorters • Screens • Rakes • Shakers • Wash Tanks • Blanchers • Cookers
Canners • Dumpers or Tippers • Fillers • Freezers • Weigh Scales • Baggers
Modular Plastic or Wire Belt Conveyors

If the conditions of your processing environment are prematurely failing components that you depend on, complete a **Bearing Design Checklist**, and EDT will work with you to arrive at an effective solution.

Bearings for Severe Service Environments

EDT Corp • 1006-J NE 146th St. Vancouver, WA 98685 • 800-810-7110 • Fax: (360) 574-3834
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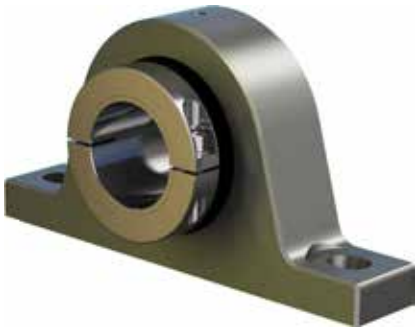
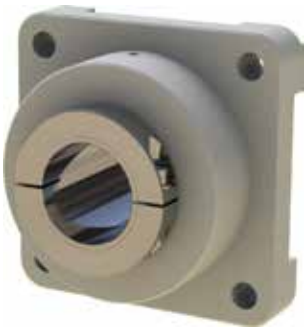
TYPE E SOLUTION® BEARINGS





EDT Type E Solution® bearings are non-corrosive plane bearings that retrofit tapered roller bearings with Zero Grease! Zero Rust!

- Operate reliably in severe conditions which prematurely fail standard tapered roller bearings
- Stainless and polymer plane bearings and housings are grease-less, non-corrosive, and non-contaminating
- Same mechanical advantages as tapered roller bearings:
  - Capacity to carry heavy radial loads
  - Capacity to handle thrust loads
  - Capacity for combined radial and thrust loads
- Cost effective:
  - Stainless housing can be a one time purchase, re-use many times
  - Poly-Sphere® bearing is the replaceable component
- Support HACCP compliance

For design assistance, complete a **Bearing Design Checklist (BDC)**

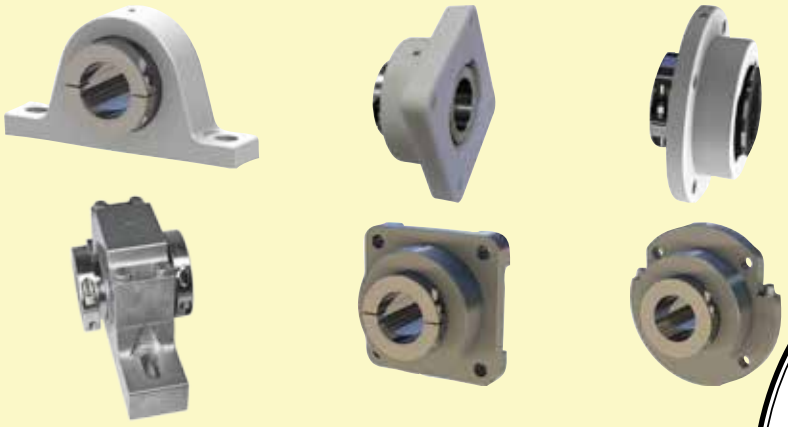
EDT Type E bearing interchanges are <u>not</u> designed to replace tapered roller bearings in all applications. Check with EDT for applicability in your installation.

EDT Type E Sol

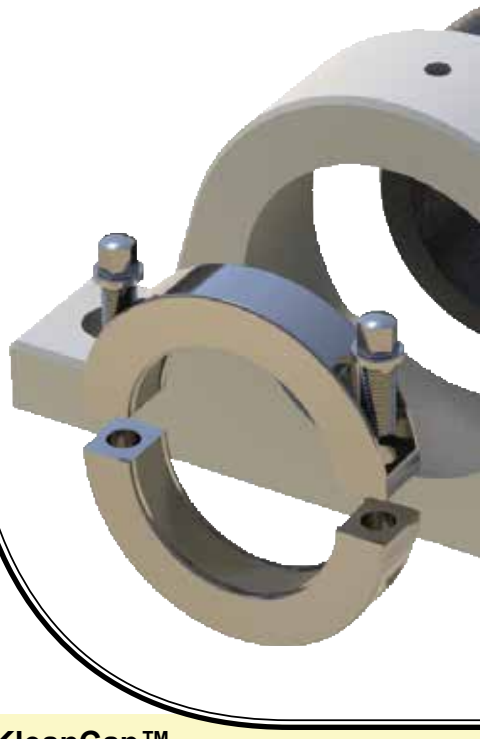
Heavy duty plane bearing in non-corrosive housing eliminates rolling elements, lubricatio

EDT Type E bearings dimensionally interchange with Type E bearing assemblies

EDT Type E housings mate with EDT Type E components. If an application requires the assembly of a tapered roller bearing into a stainless housing, contact our factory for a custom quotation.



*Polymer available in limited sizes



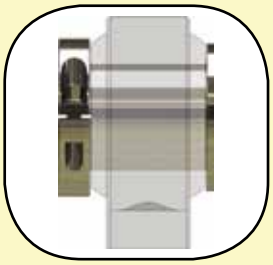
Solution® Housings can be a one-time purchase

- 304 stainless steel or EDT 'KG' polymer*
- Resistant to moisture and many chemicals
- Non-corrosive
- Manufactured with smooth surfaces for maximum cleanability
- Reuse the housing over multiple bearing change-outs and significantly reduce the Cost of Ownership
- Single and split housings available
- Pillow block, 4-bolt and piloted styles available

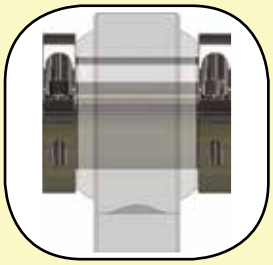
NEW! Double Flange DoubleLock® Sleeve with KleanCap™ screws securely locates the journal through the bearing

DoubleLock® collar offers maximum clamping around the shaft

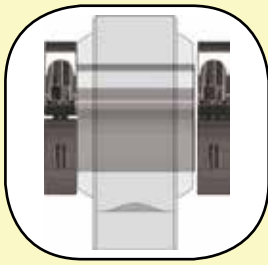
- KleanCap™ screws are:
  - more sanitary than socket head screws
  - easier to adjust onto the shaft
- Fixed- and expansion- styles of sleeves offered
- Split sleeve available as an option to use with split insert in a split housing



Double Flange DoubleLock®



DoubleLock® split sleeve



Fixed End DoubleLock® sleeve with collar

ution® bearings

n, seals and shields in dimensions that directly interchange Type E tapered roller bearings

Poly-Sphere® plane bearing is greaseless will not rust or contaminate the process

Poly-Sphere® inserts are available in different high-performance polymers depending on the application

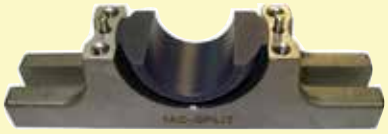
- 'QF' material (black)

  - Load capacity commensurate with traditional Type E roller bearings
  - Higher PV* capacity than 'NA'
  - Capable from cryogenic to 500°F / 260°C
  - Unaffected by most chemicals below 400°F
  - If application operates at 300° or higher, indicate "high temp installation" at time of order
  - Tough applications (drive locations, elevated temperature installations, higher speed requirements, etc) are best evaluated with 'QF' Poly-Sphere® rather than 'NA'

- 'NA' material (gray)

  - Load capacity commensurate with traditional Type E roller bearings
  - Non-contaminating, excellent impact resistance
  - Capable -40°F / -40°C to 200°F / 93°C
  - Attractive cost-to-capacity

- Split Poly-Sphere® inserts are an option to mate with split housings



- When the Poly-Sphere® is worn too far into one direction, it can be rotated 180° to use the other half. Double the bearing life!

* PV is the relationship of the load to the shaft speed in the bearing. Factors influencing PV limits (heat generation) include: material selection, journal surface finish, bearing wall thickness, running clearance, proximity to moisture, ambient temperature, cycle time. Bearing capacity is measured by PV.

For design assistance, complete a **Bearing Design Checklist (BDC)**

COMPARE THE COSTS OF OWNERSHIP OF

EDT Type E Solution® Bearings

POLY-SPHERE® PLANE BEARINGS IN SPLIT STAINLESS HOUSINGS ON FOOD PROCESSING MIXERS

EDT bearings save money, time, and labor!

Cost of original RPB bearing
over 2 years

Based on replacing standard RPB bearing every 4–6 weeks

Cost to purchase RPB bearing & housing

RPB104-2	$ 271.00

Cost to install original bearing

Labor (30 minutes at $35/hr)	$ 17.50

Cost to lubricate bearing
(i.e. Lubriplate® Syn 1600)

50¢/oz x 1 oz *(i.e. Lubriplate® LFG)*	$ 0.50
Labor ($35/hr = 58¢ per min) x 2 min	+ 1.16
52 (once a week x 52 weeks)	x 52
	$ 88.92

Cost to replace bearing assembly

Cost of bearing	$ 271.00
Labor (30 minutes at $35/hr)	+ 17.50
x 7 (replace bearing every 6 weeks)	x 7
	$2,019.50

Year 1
8 total change-outs **$2,396.92**

Cost of EDT Type E Bearing
over 2 years

Based on Poly-Sphere® insert lasting more than 2 years; re-use housing and sleeve

Cost to purchase EDT bearing & housing

QF1E1T-20	$2,350.00

Cost to install EDT bearing

Labor (30 minutes at $35/hr)	$ 17.50

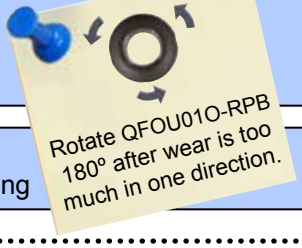
Cost to lubricate EDT bearing

No lubricant needed	0

Bearing operates with zero-maintenance throughout year 1. May rotate in year 2.

Cost of new Poly-Sphere® when needed

QFOU1O-RPB	$ 300.00
Labor (30 minutes at $35/hr)	+ 17.50
	$ 317.50



Year 1
Cost of each bearing **$2,367.50**

Original bearing cost	$2,396.92	per bearing over 1 year
versus EDT bearing cost	$2,367.50	per bearing over 1 year
FIRST-YEAR SAVINGS	**$ 29.42**	**x 2** bearings per machine = **$58.84 savings**

Year 2
Same costs as year 1: Bearing replacements ($271x8), labor ($17.50x8), lubrication ($75.92) **$2,396.92**

Year 2
Visual check, but expect NO MAINTENANCE (30 minutes at $35/hr to inspect) **$17.50**

Original bearing cost	$ 4,793.84	per bearing over 2 years	($2396.92 + 2396.92 $ = $4767.84)
versus EDT bearing cost	$ 2,385.00	per bearing over 2 years	($2367.50 + $17.50 = $2385.00)
2-YEAR SAVINGS	**$ 2,408.84**	**x 2** bearings per machine = **$4,817.68 savings**	

Plus significantly reduced maintenance scheduling and downtime!

edtcorp.com ■ edtsales@edtcorp.com 360-574-7294 ■ FAX 360-574-3834 ■ **EDT Corp**

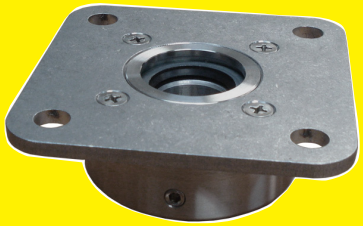
Do you dread maintaining breaders?

Now: EDT has two Solution® bearings specifically for breaders

Now: EDT Corp has two breader bearing products. Both feature:

- **Stainless steel housing and ball bearings for corrosion resistance**
- **HACCP friendly due to smooth surfaces and "grease-less" properties**
- **Solid lubricated ball bearing is less affected by abrasion**
- **Exclusionary seals to deflect breading and extend bearing life**

Solution® 1: Breader Auger Bearing



ZJZA400-0N8-1

EDT 4-bolt auger bearing retrofits into the same space as the factory-original 4-bolt (2-3/4" bolt centers x 1.7" length thru bore)

Solution® 2: Breader Bearing

ZJZA100-QK8-1

EDT Breader Bearings, with QuiKlean® integral standoff, provides ½" clearance to allow flushing out breading

---

- **Reduce the frequency of replacing bearings**
- **Reduce your maintenance time and expenses**

See other side for Cost Of Ownership and the SAVINGS you can capture

EDT designs bearing products for severe service environments: any location where maintaining greased bearings is problematic.
To discuss your problem applications, contact your local sales representative or the factory for assistance.

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COMPARING THE COSTS OF OWNERSHIP OF

EDT Breader Auger Glove®

TO STANDARD BEARINGS OPERATING IN SOLID CONTAMINANTS

ON XL BREADER VERTICAL AUGER

Cost of original bearing

over 2 years

Unprotected: Regreasable stainless ball bearing is lasting one (1) month

- Year 1 cost

Cost to purchase bearing F4BSCEZ100PSS	**$137.37**
Cost to install original bearing $35/hour labor x 1/2 hour	**$17.50**
Cost of lubricant: Lubriplate FLG	
30¢/ounce x 1ounce	$0.30
Labor: (.58 x 2 min) per day	$1.16
x 52 Weekly PM	x 52
	$75.92
4-bolt unit is changed each month	
at $35/hour labor x 1/2 hour	$17.50
Cost of new 4-bolt assembly	$137.37
x 12 months less 1st month listed above	x 11
	$1,703.57
Total Year 1 cost	**$1,934.36**

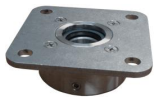
- Year 2 Cost

Change 4-bolt each month, lube each week (continue same costs as Year 1)	
$35/hour labor x 1/2 hour x 12 Changes	$210.00
Cost of FA4BSCEZ11PSS at	
$137.37 each x 12 changes	$1,648.44
Lubrication (same as Year 1)	$75.92
Total Year 2 cost	**$1,934.36**
Total costs over two years (Yr 1+Yr 2)	**$3,868.72**

Cost of EDT Breader Auger Glove®

over 2 years

Protected with Glove®2 seal assembly: stainless and solid lubricated ball bearing is lasting six (6) months



- Year 1 cost

Cost to purchase bearing ZJZA400-0N-1	**$320.00**
Cost to install bearing at $35/hour labor x 1/2 hour	**$17.50**
Cost of lubricant	**$0.00**
Ball bearing is changed out at 6 months- (other components can be reused)	
Change insert at $35/hour labor x 1/2 hour	$17.50
Cost of new insert 205-16-J	$155.00
x 1 (Replace insert at 6 months)	x 1
	$172.50
Total Year 1 cost	**$510.00**

- Year 2 cost

Replace seal after 12 months	
at $35/hour labor x 1/2 hour 2 changes	$35.00
Cost of insert 205-16-J x 2 changes	$310.00
Cost of seal, EDT-Glove®C x 1 change	$10.00
Lubrication ***NEVER any GREASE!***	$0.00
Total Year 2 cost	**$345.00**
Total costs over two years (Yr 1+Yr 2)	**$855.00**

Original bearing cost.....	$3,868.72	per bearing over 2 years	
versus EDT bearing cost.....	$855.00	per bearing over 2 years	
2-YEAR SAVINGS PER BEARING.....	**$3,013.72**	**2** bearings per machine =	**$6,027.44**
		x 4 Mixers per facility (example)	**$24,109.76**

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions

Individual results can vary based on installation and maintenance practices, and environmental conditions

edtsales@edtcorp.com

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Vancouver, WA 98685

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FAX 360-574-3834
www.edtcorp.com

COMPARING THE COSTS OF OWNERSHIP OF

QuiKlean® Breader Bearings

TO STANDARD BEARINGS OPERATING IN SOLID CONTAMINANTS

Cost of original stacked bearing

over 2 years

Based on ss housing lasting 12 months and components lasting 6 Weeks

Cost to purchase bearing	
Component parts	$66.00
+ stacked housing	$35.00
x 1 time	**$101.00**
Cost to install original bearing	
$30/hour labor x 1 hour	
x 1 time per year =	**$30.00**
Cost of lubricant: Lubriplate FLG	
50¢/ounce x 0.5 ounce/day	0.50
Labor (.50 per min) x 1 min	0.50
x 52 weeks per year	260
	$260.00
Cost to change out components (reuse stacked housing for 1 year)	
$30/hour labor x 1 hour	$30.00
+ change out component parts	$66.00
x 11 (Replace bearing Monthly)	x 11
	$1,056.00
Year 1: Cost of each bearing	
Year 1:	**$1,447.00**
Year 2: Replace complete unit repeat maintenance cycle as above	
Year 2:	**$1,447.00**
Total 2-year cost of original bearing:	**$2,894.00**

Cost of EDT Breader Bearing

over 2 years

Based on ss housing lasting 24 months and insert lasting 8 months (housing MAY last longer)

Cost to purchase bearing	
ZJZA100-QK - **Solid Lube Housing**	$166.00
205-16-H - **Solid Lube Ball Bearing**	$155.00
PA100-1 - **Backing plate/seal**	$21.00
	$342.00
Cost to install bearing at $30/hour labor x 1 hour	**$30.00**
Cost to lubricate EDT Beaing No lubricant needed	**$0.00**
Cost to change out components (reuse QK housing for 2 years) every 6 **months**	
at $30/hour labor x 1 hour	$30.00
+ insert 205-16-J	$155.00
	$185.00
Year 1: Cost of each bearing	
Year 1:	**$557.00**
Year 2 cost: Replace seal after 12 months	
Year 2:	**$430.00**
Total 2-yr cost of EDT Breader Bearing	**$927.00**

Original bearing cost.....	$2,894.00	per bearing over 2 years	
versus EDT bearing cost.....	$927.00	per bearing over 2 years	
2-YEAR SAVINGS.....	**$1,967.00**	**10** bearings per machine =	**$19,670.00**

Plus significantly reduced maintenance scheduling and downtime!

The above illustration is based on average plant conditions

Individual results can vary based on installation and maintenance practices, and environmental conditions

edtsales@edtcorp.com

EDT CORP
1006-J 146th Street
Vancouver, WA 98685

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FAX 360-574-3834
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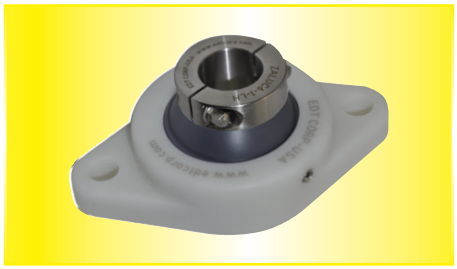
edt *Grease-less Bearings*

United States Department of Agriculture USDA Accepted Equipment

Greaseless Poly-Round® bearings are the answer to the problems associated with operating bearings in severe service locations

New for 2013
Now featuring
KleanCap™ DoubleLock® sleeves
- More Sanitary
- Easier Installation


Poly-Round® Solution® bearings

- Operate with no rolling elements and eliminate grease, seals, shields
- Unaffected by washdown and process moisture
- Reusable components maximize resources – replace only the worn part
- When Poly-Round® insert is worn in 1 direction, it can be rotated 180° to double the life
- Variety of strong, non-corrosive material options for bearings and for housing

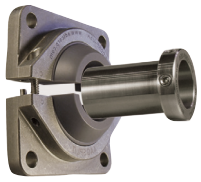
	Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Chemical Resistance	Impact Resistance	USDA/FDA Contact Approval
						Washdown	Submerged			
Bearings	PA UHMW white	1,000	50	800	150°F	Excellent	Excellent	Excellent	Excellent	Direct
	AA white	2,000	200	1,000	160°F	Excellent	Good	Fair	Fair	Direct
	NA gray	6,000	350	2,000	200°F	Excellent	Good	Good	Excellent	Incidental
	FA white	6,000	350	1,000	500°F	Excellent	Excellent	Excellent	Excellent	Direct
	QF black	60,000	400	6,000	450°F	Excellent	Excellent	Excellent	Fair	Incidental
	MZ black	6000	300	4,000	650°F	Excellent	Excellent	Excellent	Fair	Incidental
	MY black	5000	250	3,000	800°F	Excellent	Excellent	Excellent	Fair	Incidental

* PV limits are shown for unlubricated radial bearing applications. Low temperature / submerged installation may permit PV limits up to 2x higher.

- Smooth surfaces, fewest crevices; bases either flat or QuiKlean® standoff
- Inch and metric sizes 1/2” to 3-7/16” shafts (other sizes available)







EDT designs bearing products for severe service environments: any location where maintaining greased bearings is problematic.
To discuss your problem applications, contact your local sales representative or the factory for assistance.

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COMPARE THE COSTS OF OWNERSHIP OF

EDT NA Poly-Round® Solution® Bearings

ON STRAIGHT RUN MODULAR PLASTIC OR WIRE BELT CONVEYORS

EDT bearings save money, time, and labor!

Cost of original bearing

(Non-corrosive ball bearing in polymer housing) over 1 year

Based on replacing bearing and housing every 6 months

Cost to purchase original bearing & housing

Average cost for 1" shaft size	$ 110.00

Cost to install original bearing

Labor (1 hour at $30/hr)	$ 30.00

Cost to lubricate bearing through 1 year

50¢/oz x 1 oz per week *(i.e. Lubriplate® LFG)*	$ 0.50
Labor (50¢ per min) x 1 min	+ 0.50
x 104 (2 times per week)	x 104
	$ 104.00

Cost to replace original bearing & housing

Cost of bearing & housing	$ 110.00
Labor (1 hour at $30/hr)	$ 30.00
x 1 (replace bearing every 6 months)	x 1
	$ 140.00

Year 1
Cost for 2 total change-outs **$384.00**

Cost of EDT NA Poly-Round® Solution®

(Poly-Round® polymer insert in polymer housing) over 1 year

Based on re-using housing and sleeve, and replacing only the insert every 12 months

Cost to purchase EDT bearing & housing

NA2GC7-1-LC (1" shaft DoubleLock® sleeve)	$ 146.00

Cost to install EDT bearing

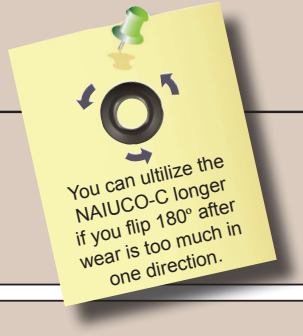
Labor (1 hour at $30/hr)	$ 30.00

Cost to lubricate EDT bearing

No lubricant needed	0

Cost to change out EDT components

No replacement needed in first year	0



Year 1
Cost of bearing assembly **$176.00**

Original bearing cost	$384.00	per bearing over 1 year
versus EDT bearing cost	$176.00	per bearing over 1 year
FIRST-YEAR SAVINGS	**$208.00**	**x 4** bearings per machine = **$832.00 savings**

Year 2
Cost of new bearing ($110 x 2), lubrication ($1 x 104), installation ($30 x 2) **$384.00**

Year 2
Replace insert (p/n NAIUCO-C $33), lubrication ($0), installation ($30) *Note: Re-use housing & sleeve* **$63.00**

Original bearing cost	$ 768.00	per bearing over 2 years	($384 + $384 = $768)
versus EDT bearing cost	$ 239.00	per bearing over 2 years	($176 + $63 = $239)
2-YEAR SAVINGS	**$ 529.00**	**x 4** bearings per machine = **$2,116.00 savings**	

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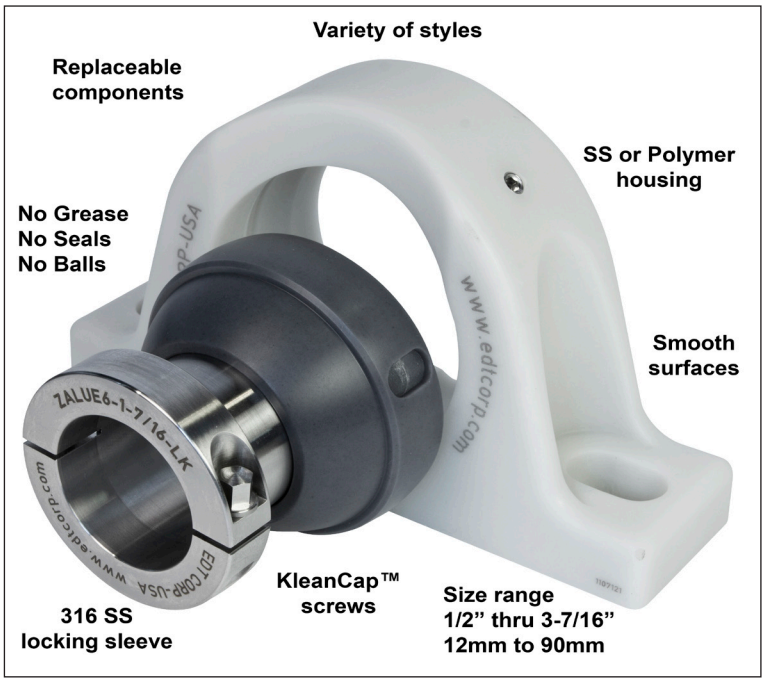
EDT 1 YEAR GUARANTEE

Do your modular belt conveyors have bearings that look like this?



Consider Poly-Round® Solution® Bearings

Clean and reliable. Zero Maintenance even in severe service and sanitary locations.

EDT 1 YEAR GUARANTEE

Poly-Round® Solution® Bearings on modular belt conveyors
ONE year and ZERO maintenance
EDT guarantees it!

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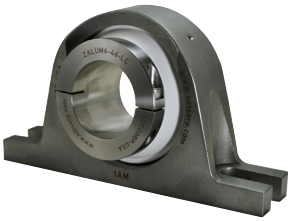
If you replace bearings more than ONCE a year
or
If you grease bearings more than TWICE a month

Poly-Round® Solution® bearings are ideal on modular plastic belts and wire belts that are sprocket driven

They are so well suited for this that EDT will GUARANTEE Poly-Round® Solution® bearings for ONE (1) YEAR of maintenance-free bearing life in this application, regardless of the environment*:

- Wash-down
- Submerged
- Hot – cold – or in between
- Wet – dry – steam – or out of doors
- Locations difficult to regularly maintain
- Continuous rotation – oscillating – start-stop – or infrequent operation

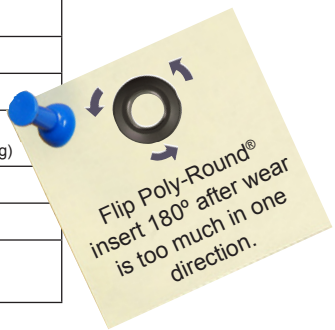


Poly-Round® Solution® bearings are the best choice!

*EDT will assist you in selecting the optimum bearing and housing materials for your specific requirements.

Evaluate the Cost of Ownership of EDT bearings compared to other brands

Cost of Ownership Poly-Round® Solution® on modular belt conveyor	**SS ball bearing versus Poly-Round® Solution®**	
	 Original	 EDT
Initial cost of bearing (A)	$80.00	$167.00
Installation labor $32/hr (B)	$32.00	$32.00
▪ Cost for a new bearing (A+B)	$112.00	$199.00
Change out bearings/year (C)	X2 $224.00	X1 $199.00
Lube costs: 50¢/oz x 1 oz/wk Lube labor at $32/hr = 53¢/min x 2 min x 2x/week =	$26.00 $110.24	$0.00 $0.00
Year 1: Cost per bearing	$360.24	$199.00
▪ Savings after year 1	$161.24 per location	
Year 2: Cost per bearing	$360.24 (Same as year 1)	$16.00 (.5 hr to rotate bearing)
Total Year 1 + Year 2 cost per bearing	$720.48	$215.00
▪ Savings after year 2	$505.48 per location	
Total savings after 2 years: 4 Bearings per conveyor	**$2,021.92**	



EDT guarantees 1 year of maintenance-free life of Poly-Round® bearings on modular plastic belt or wire belt conveyors.
Should the bearing fail, EDT will replace with bearing of your choice.

Guarantee is not valid on chain drive belts, flat- or round-belts, curved tabletop chain conveyors.
In these locations, ball bearings are more appropriate.
Check EDT's grease-less and less corrosive ball bearing products.

EDT Bearings Eliminate Rust, “Red Water” From Your Operation

Problem	Solution
	
	5 years of installation

Problem	Solution
	
	2 Years of installation

Problem	Solution
	
	2 Years of installation

Standard bearings will rust !!!

Even 400-series stainless ball bearings will rust from wash-down and process moisture. Coated bearings may last longer, but once the coating is compromised, the metal will begin to rust.

300-series stainless is some of the most non-corrosive metal available. EDT bearings are made from 300-series stainless plus high performance polymers specifically to be ***corrosion resistant.***

Choose EDT Poly-Round® or All-Round® bearings – and ***eliminate bearings that rust***

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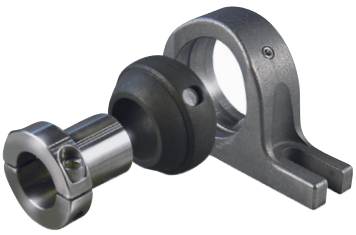
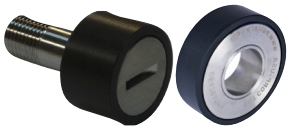


EDT bearings also provide:



- Bearings that have ***no grease!***
- Solid construction means there are no seals or shields
- Direct interchanges available for all styles and sizes of mounted bearings
- Same technology is also available for unmounted bearing interchanges
- Reduce inventory and future bearing costs because most components can be reused; only the polymer component will eventually need to be replaced

– ***NO more RUST*** and ***low cost of ownership*** with EDT bearings.

(Check out the Cost of Ownershp illustration on reverse)

EDT designs bearing products for severe service environments: any location where maintaining greased bearings is problematic.
To discuss your problem applications, contact your local sales representative or the factory for assistance.

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COMPARE THE COSTS OF OWNERSHIP OF

EDT Poly-Round® vs Ball Bearings

ON OVEN BELT SUPPORT ROLLERS

EDT bearings save money, time, and labor!

Cost of original non-corrosive ball bearing

(in metal housing)
over 1 year

Based on replacing bearing and housing every 3 months

Cost to purchase ball bearing & housing

AMI UCTB207-23-C4H23	$188.23

Cost to install original bearing

Labor (1 hour at $30/hr)	$ 30.00

Cost to lubricate ball bearing
(i.e. Lubriplate® Syn 1600)

55¢/oz x 1 oz *(i.e. Lubriplate® LFG)*	$ 0.55
Labor (50¢ per min) x 1 min	+ 0.50
x 260 (5 days/week x 52 weeks)	x 260
	$273.00

Cost to replace bearing assembly

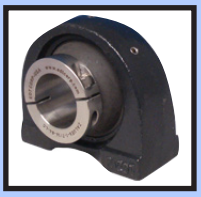
Cost of bearing	$188.23
Labor (1 hour at $30/hr)	$ 30.00
x 3 (replace bearing every 3 months)	x 3
	$654.69

Year 1
4 total change-outs **$1,145.92**

Cost of EDT QF Poly-Round®

(in metal housing)
over 1 year

Based on re-using housing and sleeve, flipping insert after 6 months, and replacing insert every 12 months



Cost to purchase EDT bearing & housing

QF9FE7-23-LCHTE	$455.00

Cost to install EDT bearing

Labor (1 hour at $30/hr)	$ 30.00

Cost to lubricate EDT bearing

No lubricant needed	0

Cost to flip bearing component after 6 months

Nothing to purchase	$ 0
Labor (1 hour at $30/hr)	+ 30.00
	$ 30.00

Year 1
Cost of each bearing **$515.00**

Original bearing cost	$1,145.92	per bearing over 1 year
versus EDT bearing cost	$ 515.00	per bearing over 1 year
FIRST-YEAR SAVINGS	**$ 630.92**	**x 32** bearings per oven = **$20,189.44 savings**

Year 2
Same costs as year 1: Bearing components ($188.23x4), labor ($30x4), lubrication ($273) **$1,145.92**

Year 2
Replace insert only (p/n QFIUEO-E-HT $254), labor ($30), 6 months later flip insert ($30) **$314.00**

Original bearing cost	$ 2,291.84	per bearing over 2 years	($1145.92 + $1145.92 = $2291.84)
versus EDT bearing cost	$ 829.00	per bearing over 2 years	($515.00 + $314.00 = $829.00)
2-YEAR SAVINGS	**$ 1,462.84**	**x 32** bearings per oven =	**$46,810.88 savings**

Plus significantly reduced maintenance scheduling and downtime!

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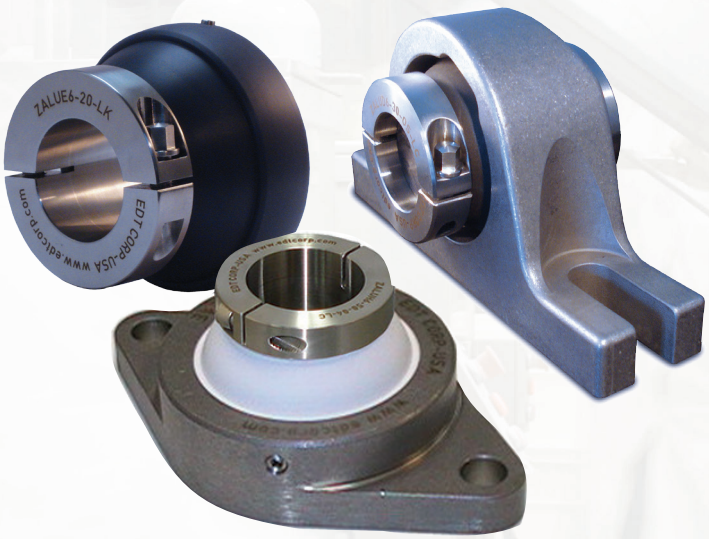
GREASELESS BEARINGS FOR HIGH TEMPERATURE LOCATIONS

Keep your cool operating ovens and other hot spots

with Poly-Round® bearings



- **Less downtime / More UP-time**
- **No grease!**
- **Cleaner, dependable operations**
- **Reduced maintenance**
- **Eliminate collateral equipment damage**
- **Reduced fire safety concerns**
- **Eliminates unsightly grease buildup**

It's not easy to keep ball bearings operating reliably in high temperature locations. If you're tired of the mess, time and expenses that come with keeping equipment running in hot spots, look to ***GREASELESS*** EDT Poly-Round® bearings. You'll gain reliability with BIG payback.

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Bearings For Severe Service Environments

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Compare the Cost Of Ownership

On oven belt support rollers
EDT Poly-Round® bearings save time, eliminate grease, and prevent collateral damage

1 year comparison of Poly-Round® bearings versus stainless ball bearing in metal housing	 Original SS ball bearing	 EDT Poly-Round® QF9FE7-23-LCHTE
A. Initial cost of bearing & housing	188.23	455.00
B. Installation labor $30/hr (.50/min) x 1 hour	30.00	30.00
C. **Frequency of replacement (per year)**	4 times	1 time
D. **Annual bearing cost**	872.92	485.00
E. **Cost to lubricate bearing** (i.e. Lubriplate® Syn 1600) **Grease:** .55/ounce x 1 oz lube **Labor:** (.50 per min) x 1 min 5 days/week x 52 weeks	0.55 + 0.50 1.05 x 260 273.00	Poly-Round® requires no grease 0.00
F. After 6 months **Rotate Poly-Round® 180°** Labor (1 hour at $30/hr)	N/A	30.00
One year cost of bearings on one end of one roller	1,145.92	515.00
Annual savings x 32 bearings per oven	**$630.92** **$20,189.44** **1 year savings per oven with EDT Poly-Round®**	

Poly-Round® inserts with locking sleeves readily accommodate shaft expansion

- **Floating end bearings include a .6" longer sleeve**
- **Fixed end bearings include a stainless split collar**
- **Greaseless**

EDT locking sleeves

- 316 stainless steel for toughness and corrosion resistance (other materials available)
- Provide an optimum running surface that extends life of Poly-Round® insert
- Protect the shaft from wear and collateral damage
- Improve journal of less-than-ideal shaft in lieu of replacement
- May be used through multiple Poly-Round® change-outs

When Poly-Round® bearing is worn too far in one direction, rotate bearing

180°

to use the other half

Poly-Round® High Temperature Materials

Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	USDA/FDA Contact Approval
FA white	6,000	350	1,000	500°F	Direct
QF black	60,000	400	6,000	450°F	Incidental
MZ black	6000	300	4,000	650°F	Incidental
MY black	5000	250	3,000	800°F	Incidental
ZZ smokey silver	-	Intermittent motion	Up to 100,000	1100°F	Incidental

Let EDT sweat the details:

For help with a specific application complete a Bearing Design Checklist

www.edtcorp.com/html_pages/technical.html

Bookmark it!

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Bearings For Severe Service Environments

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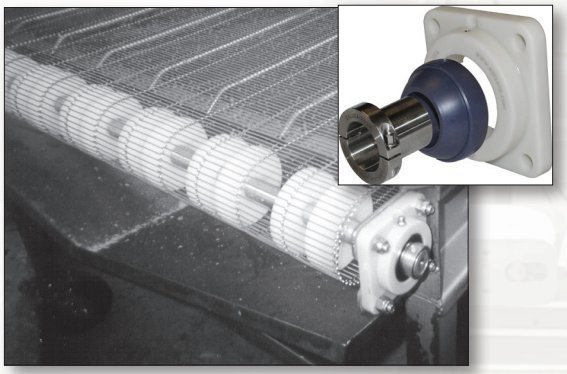
EDT BEARINGS FOR SNACK FOOD PRODUCTION

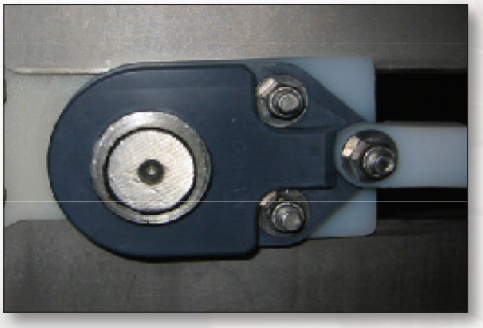
EDT bearing products help keep production running crisply

Fryer paddle bearings run 12/24 months and won't lose balls in the oil

Peeler bearings are ideal for output end of potato peelers



Poly-Round® Solution® bearings of all styles and sizes are guaranteed for 1 year on modular belt conveyors



Polymer block bearings of all styles and sizes are designed to withstand impact

Grease-less bearing products you can rely on 24/7

- Designed for cleanability
- Unaffected by wash-down
- Eliminate re-greasing
- Avoid process contamination
- More up-time with no catastrophic bearing failure
- Predictable longevity and maintenance scheduling

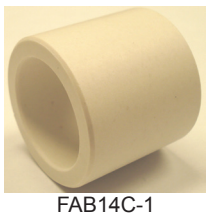
EDT 1 YEAR GUARANTEE

On sprocket-driven modular plastic and wire belt conveyors, EDT GUARANTEES the NA Poly-Round® bearing to last 1 year, or EDT will replace it with the bearing of your choice.

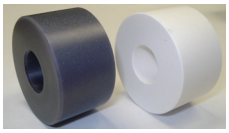
Poly-Round® Plus inserts allow easy retrofit of ball bearing into most brands of housings

edt

Bearings For Severe Service Environments

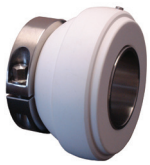

FAB14C-1


FA1012 / FA1013


NB1408 / FA1408

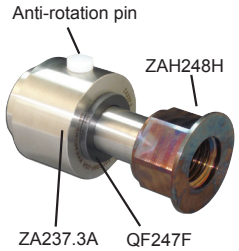

Fryer bearing


NA2GC7-1-LC


FA Poly-Round® Plus


Scale links


PA1MB



EDT Part #

B-26097	Stat weigher bushing
NA2432-2	34360-24 bottom bushing for agitator 2-7/16" OD x 3-1/4" long for 2" shaft
NA1703-7/8	34360-27 fryer take-out conveyor bearing (temp to 180°)1.75 OD x ¼" x 7/8" ID
NAW3013-1/2"	Corn washer hold-down wheel 3" OD x 1.1" wide with 1-3/8" hub width, 1/2" ID
QF1207-3/8	CYR 1-1/4S yoke interchange: 1-1/4" OD x ¾" long for 3/4" shaft
FA1207-3/8	CYR 1-1/4S yoke interchange: 1-1/4" OD x ¾" long for 3/4" shaft
FAB14C-1	BH1620 fryer arm tensioner 1-3/8" OD x 1-1/4" long for 1" shaft
FAF0810-1/ 2	Heat and Control conveyor bearing 5/8" OD x 1" long, ¾" OD flange, 1/2" shaft
FAF1012-1/2	Idler sprocket brg for fryer paddle on fryer ¾" OD x 1-28" with 1" flange for 1/2" ID
FAF1013-1/2	Idler sprocket Heat and Control J2-3044-C25-1 ¾" OD x 1.31" with 1" flange for 1/2" ID
FAF2028-1-7/16	Deoiler idler support bushing 1-3/4" OD x 2-7/8" long with 2" flange, 1-7/16" shaft
FA1408-1/2	1621-2RS x 2 seasoning spinner bearing 1-3/8" OD x .78 wide x ½"
NB1408-1/2	1621-2RS x 2 seasoning spinner bearing 1-3/8" OD x .78 wide x ½"
FAW1801-1	High temp thrust bearing 1-7/8" OD x 1/8" thick for 1" shaft
FP115-1	Casa Herrera oven guide roller bushing 1.48 OD x 1-1/2 long for 1" shaft
FG0815-5/8	High-temp bushing 7/8" OD x 1-1/2" long for 5/8" shaft
FA.25x2x1	High temperature 2" wide wear strip: ¼" thick by 1' long
EDT0199	Octogan roller, chip separator, white plastic 1-7/8" wide x 2" long for 1-1/4" shaft
FA2AE7-23-LK	Heat and Control fryer paddle bearing, 1-7/16" shaft (also 1-1/4" or 35mm)
FA2AD7-19-LK	Heat and control fryer paddle bearing, 1-3/16" shaft (1-1/4" or 30mm)
FA2AG7-27-LK	Heat and Control fryer paddle bearing, 1-11/16" shaft (also 1-5/8" or 45mm)

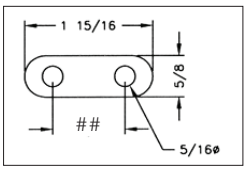
NA6GA7-5/8	Poly-Round® Solution® conveyor small 2-bolt, 5/8" shaft
NA2GC7-1-LC	Poly-Round® Solution® conveyor standard 2-bolt, 1" shaft

---

FAIPD7-D "FA" for submerged hight temp
FAIPE7-E "NA" for ambient temperature
FAIAG7-G

Poly-Round® inserts are the wear component in mounted bearings. After inserts wear, rotate 180°, then replace just the insert; reuse the housing.

Ishida# 4K-59398-1, EDT: B xx 30##
Ishida# 4K-59398-2, EDT: B xx 26##
= center distance xx = color identifier 30 (large) or 26(short)



Links for Ishida scales – Select from variety of colors to uniquely identify each packaging line

PInk **D**ark **B**lue **L**ight **G**reen **Y**el**L**ow **G**ra**Y**
Re**D** **L**ight **B**lue **D**ark **G**reen **O**ra**N**ge **B**lac**K**
Dk **P**urple **L**ight **P**urple **N**eon **G**reen **N**eon **O**range **WhiTe**
TaN **B**row**N**

PA1MB-3/4
PA1MB-1-3/16
PA1NEO-1-7/16
} Block bearings for Heat and Control conveyors
PA4GCO-1 1" 4-bolt conveyor bearing

VanMark Peeler bearings for brushes on output end of peeling drum
ZA237.3A
QF247F
ZAH248H or ZAH248G (depending on peeler model)
PATUPB-01 tool enables flange bearing replacement (reuse housing)

edt
Bearings For Severe Service Environments

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EDT Bearing Selection Guide

IDEAL LOCATIONS	TYPE OF EDT BEARING

Class III Plane Bearings

- Modular plastic belt conveyors
- Wire belt conveyors
- Dumpers
- Freezers
- Fryer paddles
- Idler rollers
- Ovens
- Pasteurizers
- Sizers
- Fillers and cams

- Poly-Round®
- Poly-Sphere®
- All-Round®
- EDT Type E Solution®
- Radial Poly-Round®

Caution **CAUTION Plane bearings are NOT well suited to locations with:**

- Flat belt conveyors (rubber, pvc, fabric belts)
- Curved table-top conveyors
- High speed shafts
- Trunnions
- Overhung loads (ex: unsupported shaft-mounted gear reducers)

In these kinds of applications, ball bearings are recommended.

Ball Bearings

- High speed shafts including fans, motors, table-top conveyors
- High tension locations including
  - Flat belt conveyors
  - Urethane belt conveyors
  - Curved conveyors
- Overhung loads (like shaft-mounted gear reducers)
- Trunnions

Styles

- Inserts: set-screw or eccentric
- Unmounted radials

Options

Materials

- Stainless, NCS, or steel

Lubrication

- Food grade grease
- Solid lubricants (various)
- Vacuum grade
- Stock grease

Caution **CAUTION ball bearings are NOT well suited to locations such as:**

- Places where grease is a contaminant
- Sanitary and direct food contact locations
- Corrosive locations
- High or low temperatures
- Start-stop locations or infrequent motion applications
- Partial rotation or oscillating motion
- Difficult to maintain locations

In these kinds of applications, plane bearings should be considered.

THE EDT Poly-Round® Solution® GUARANTEE

EDT Poly-Round® Solution® plane bearings in smooth, strong, sanitary housings offer a grease-free, clean, non-rusting alternative to rolling element bearings. As a result, maintenance time and costs are reduced, and up-time is improved.

On sprocket-driven modular plastic and wire belt conveyors, EDT GUARANTEES the NA Poly-Round® bearing to last 1 year, or EDT will replace it with the bearing of your choice.

180° **When bearing exhibits excessive wear in one direction, the insert can be rotated 180° to extend bearing life.**

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BEARING DESIGN CHECKLIST (BDC)

Reference Project: _____ **Date:** _____

Distributor /Branch	**Contact**
Customer	**Contact**
City	**State**
Phone	**Fax**
Email	

Application Data

Do any of these conditions exist?

- ☐ Modular Belt
- ☐ Tensioned Flat Belt
- ☐ Screw Auger
- ☐ Overhung Load
- ☐ Trunnion
- ☐ USDA/FDA Inspection
- ☐ Indirect Food Contact
- ☐ Direct Food Contact
- ☐ Wash Down
- ☐ Submersion
- ☐ Chemical
- ☐ Abrasive Material
- ☐ Vibration/Impact

What type of drive is being used?

- ☐ Roller Chain
- ☐ Direct Couple
- ☐ Timing Belt /HTD Belt
- ☐ V-Belt
- ☐ Line Shaft
- ☐ Hydraulic Motor
- ☐ Slave Drive
- ☐ Variable Frequency Drive
- ☐ Supported Shaft Mount Reducer
- ☐ Unsupported Shaft Mount Reducer
- ☐ Idler

Bearing for: ☐ New machine ☐ Retrofit

How long is current bearing lasting? (Estimated life)

Weeks: _____ Months: _____ Years: _____

Is a drawing of current system available? ☐ Yes ☐ No

Existing problem is with: ☐ Bearing ☐ Housing ☐ Both

Suspected cause of failure: _____

_____

Will existing housing be re-used? ☐ Yes ☐ No

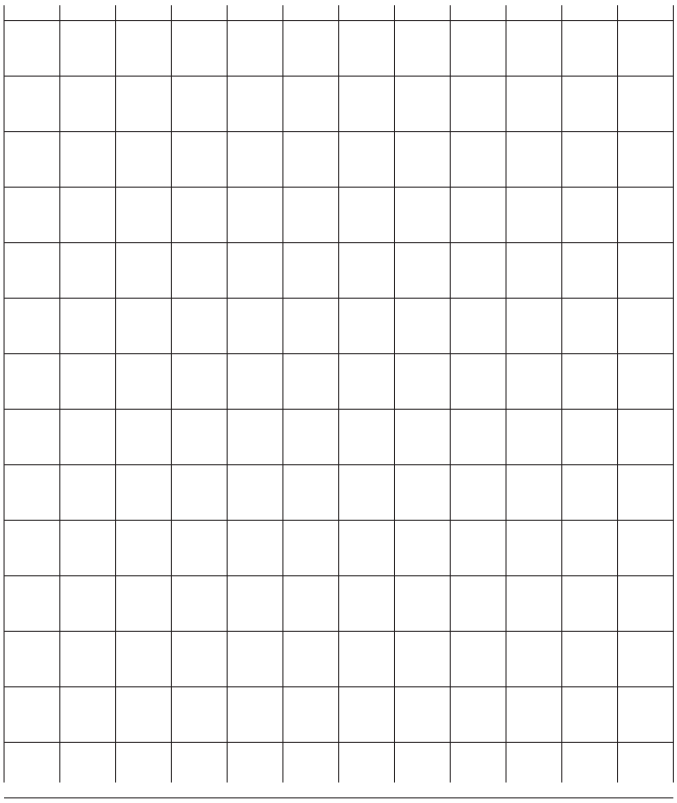
Has a plane bearing been tried previously? ☐ Yes ☐ No

Material or brand: _____

Describe the application: _____

_____

_____



Bearing Data

☐ Mounted ☐ Type "E" or Roller ☐ Thrust
☐ ER ☐ Unmounted/Radial ☐ Roll End

Shaft Diameter: _____

Shaft RPM: _____

Estimated Load/Bearing: _____

Temp. around bearing: _____

Shaft direction: ☐ Horizontal ☐ Vertical ☐ Inclined

Type of motion: ☐ Radial motion ☐ Linear motion
☐ Expansion ☐ Intermittent ☐ Reversing ☐ Frequent stop/start

Self-alignment required? ☐ Yes ☐ No

Split housing required? ☐ Yes ☐ No

Part # of existing bearing: _____

Style of housing: _____

(If completing this checklist with bearing performance questions) Has anything about your operation or the enironment changed in the past few months: _____

_____

_____

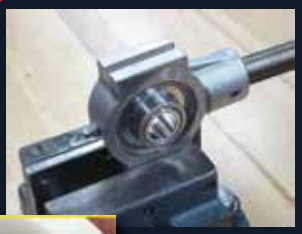
It is extremely helpful if you can provide information about the chemicals that the bearing is subjected to in operation or in cleaning. Please send MSDS if at all possible, or at least a list of the solutions that come in contact with the bearing(s). Email information to scottw@edtcorp.com with a note that your email accompanies the BDC you are submitting.

Replace a ball bearing with a

Poly-Round® Plus

- No Rust
- No Grease
- Improve Reliability
- Lower Cost of Ownership

1 Remove the old bearing



2 Secure housing to change bearing

3 Remove the insert

4 Replace with Poly-Round® Plus

5 Align Poly-Round® Plus

6 Remove grease fitting and install set screw

7 Re-install bearing on equipment

8 Business card sized gap allows shaft expansion

The insure proper operation, shaft must freewheel

When Poly-Round® Plus wears too far in one direction, rotate insert **180°** to use unworn portion

IDEAL LOCATIONS FOR POLY-ROUND®s

- Modular plastic belts
- Wire belts
- Oven idlers
- Freezers
- Dumpers
- Blenders & mixers
- Wastewater equipment

On tractor-driven conveyor belts, **EDT GUARANTEES** 'NA' and 'QF' Poly-Round® Plus **for 1 YEAR** or we'll replace the bearing

EDT 1 YEAR GUARANTEE

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Bearings For Severe Service Environments

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Gain the advantages of Poly-Round® bearings Plus reuse your housings

Maximize your maintenance budget with Poly-Round® Plus bearings

Poly-Round® Plus COST OF OWNERSHIP EXAMPLE			
Stainless ball bearing assembly changed every three months		**Stainless ball bearing assembly changed to EDT Poly-Round® Plus and reuse stainless stell housing**	
Year 1 - 1st Quarter			
Original bearing SUCSFL205-16	$64.00	Original bearing SUCSFL205-16	$64.00
Installation labor $35/hr x ½ hr	$17.50	Installation labor $35/hr x ½ hr	$17.50
Lubrication: Lube .30/0z x 1 oz x 5 times/week	$1.50	Lubrication: Lube .30/0z x 1 oz x 5 times/week	$1.50
Labor $35/ hr x [2 min x 5 times/ week = 10 min]	$5.83 $7.33 x 12	Labor $35/ hr x [2 min x 5 times/ week = 10 min]	$5.83 $7.33 x 12
Maintenance cost over 12 weeks	$87.96	Maintenance cost over 12 weeks	$87.96
Q1 total cost to operate bearing	**$172.46**	**Q1 total cost to operate bearing**	**$172.46**
Q2 replace same unit with same PM cycles	$172.46	Replace bearing insert with **Poly-Round® Plus** NAIPCO-C + sleeve ZALUC6-16-LK	$48.00 $90.00 $138.00
Q3 replace same unit with same PM cycles	$172.46	Q3 **Poly-Round® Plus** operates with low/no maintenance	$0.00
Q4 replace same unit with same PM cycles	$172.46	Q4 **Poly-Round® Plus** operates with low/no maintenance	$0.00
Year 1 total cost for bearing	$689.84	Year 1 total cost for bearing	$310.46
One year savings with Poly-Round® Plus	**$379.38 savings**		
Year 2 Q 1 – replace same unit at same costs	$172.46	Q4 **Poly-Round® Plus** operates with low/no maintenance	$0.00
Q2 replace same unit at same costs	$172.46	½ hr labor to 180° rotate **Poly-Round® Plus**	$17.50
Q3 replace same unit at same costs	$172.46	Q3 **Poly-Round® Plus**operates with low/no maintenance	$0.00
Q4 replace same unit at same costs	$172.46	Q4 **Poly-Round® Plus** operates with low/no maintenance	$0.00
Year 2 total cost for bearing	$689.84	Year 2 total cost for bearing	$17.50
		Y2 Savings with Poly-Round® Plus	**$672.34**
Y1 + Y2 costs	**$1,379.68**	**Y1 + Y2 costs**	**$327.96**
Two year savings with Poly-Round® Plus	**$1,051.72 savings**		

Let EDT Help!

To check which bearing is best for your application, complete a Bearing Design Checklist (BDC) today and you'll hear from us promptly!

www.edtcorp.com/html_pages/technical.html

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Bearings For Severe Service Environments

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When your EDT Poly-Round® goes from this to this REUSE it with a 180° rotation

1 Remove used bearing from equipment

2 Secure housing and remove setscrews

3 Remove insert from housing

4 Chilling the Poly-Round® will ease reinstallation

5 Re-install Poly-Round® with wear in opposite location

6 Position slot so it will intersect hole and roll into housing

7 Install long setscrew to hit bottom of slot; reverse one full turn

8 Use bar to assure insert is properly aligned

9 Install second setscrew to act as jam-nut

10 Re-install onto equipment with space for expansion

Bearings For Severe Service Environments

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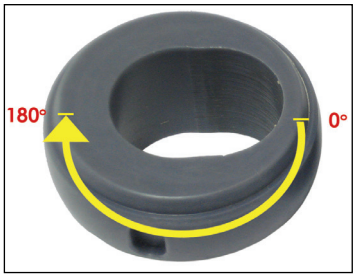
Maximize your maintenance budget with the 180° ADVANTAGE

COST OF OWNERSHIP EXAMPLE Poly-Round® Solution® on modular plastic belt conveyor		
NA2GC7-16-LK Poly-Round® Solution® versus 6 months life on stainless ball bearing in polymer housing EDT polymer housing is reusable, Poly-Round® guaranteed for 1 year, then rotate 180° and run another 1 year; replace in year 3	Original ball bearing	EDT Poly-Round®
A. Initial cost of bearing	80.00	167.00
B. Installation labor $32/hr (.53/minute) x 1 hour	32.00	32.00
C. Cost of each bearing (A+B)	112.00	199.00
D. Frequency to replace bearings in 1 year	2 x	1 x
E. Bearing and installation costs in 1 year (CxD)	224.00	199.00
F. Lubrication costs in 1 year		0 times
Grease: .50/ounce x 1 oz lube per week x 52 wks =	26.00	
Labor: 2 minutes per cycle x 2 times/week (104 times/year) = 208 minutes/year x .53/minute (refer to line B) =	+110.24	0. 00
	136.24	
G_1. Year 1: total cost to buy and maintain each bearing (E+F)	360.24	199.00
Savings after year 1	**$161.24 per bearing**	
G_2. Year 2: total cost to buy and maintain each bearing	360.24 same as year 1	16.00 Labor to rotate 180°
Total Year 1 + Year 2 costs each bearing (G_1 + G_2)	720.48	215.00
Savings after year 2	**$505.48 per bearing**	
Total TWO Year savings on 4 bearings per conveyor	**$2,021.92 savings**	

THE 180° ADVANTAGE!

When insert wears too far in one direction, rotate insert 180° to use the unworn portion

DOUBLE THE LIFE OF YOUR POLY-ROUND®!



On tractor-driven conveyor belts, EDT GUARANTEES 'NA' and 'QF' Poly-Round® Plus for 1 YEAR or we'll replace the bearing

Let EDT Help!

To check which bearing is best for your application, complete a Bearing Design Checklist (BDC) today and you'll hear from us promptly!

www.edtcorp.com/html_pages/technical.html

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Bearings For Severe Service Environments

United States Department of Agriculture USDA Accepted Equipment

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SEVERE SERVICE
UNMOUNTED
RADIAL BEARINGS

Radial Poly-Round® bearing

Polymer grease-less bearing

Ball bearings

Variety of products for different environments

Radial bearings for sanitary, corrosive, and extreme temperature environments

When environmental conditions prematurely fail conventional unmounted ball bearings, consider EDT radial bearings

- Physically interchange with industry standard radial bearings
- Available in inch and metric sizes
- Wide range of products to address many conditions
  - Radial Poly-Round®
  - Stainless ball, greased or solid lubricated
  - Non-corrosive treated steel (NCS) with solid lubrication
  - Steel with high temperature solid lubrication

For information on Radial Poly-Round® bearings, turn to page K-7

FOR DESIGN ASSISTANCE

Complete a Bearing Design Checklist (BDC).
See page K-5 or go to www.edtcorp.com

RADIAL BEARING ALTERNATIVES

For Severe Service Environments

Radial Poly-Round® (RPR) applications

- Low or moderate speed and load applications
- Incomplete rotation
- Light duty plastic belt or roller conveyors
- Highly corrosive applications (choose bearing material based on environment)
- Submerged locations
- Sanitary requirements where lubrication is problematic or where wash-down is frequent
- High impact locations (choose bearing material based on environment)

Advantages of Radial Poly-Round® bearings

- Eliminate product contamination from grease or rust
- Extend maintenance cycles for lower cost of ownership
- Reduce production shutdown from bearing failure
- USDA Accepted

APPLICATIONS where PLANE BEARINGS should be AVOIDED

Plane bearings are not recommended for:

- High speed devices (fans, pumps, curved table top conveyors)
- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- Overhung loads (shaft mounted gear reducers)
- Trunnion applications
- Applications where centerline positioning is critical

In any of these kinds of applications, select a ball bearing

Ball Bearing applications

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, curved table top conveyors)
- Overhung loads (shaft mounted gear reducers)
- Trunnion applications
- High-precision installations requiring precise centerline location

Advantages of ball bearings over plane bearings

- Low friction
- High speed
- Precision centerline maintenance
- Trunnions
- High tension

APPLICATIONS where ROLLING ELEMENTS should be AVOIDED

Ball bearings are not recommended for:

- Intermittent or oscillation motion
- High load with low speed
- Frequent start-stop
- Incomplete rotation
- Applications where the lubrication is compromised*
- Locations in the presence of salts or chlorine

*In applications that require ball bearings, and where the integrity of the grease is compromised, consider using solid lubricated ball bearings.

In any of these kinds of applications, select a plane bearing product: a Radial Poly-Round®

Sample part #

EDT Radial Bearing Part Numbering System

OE F 6000 _ _ RPR	**MATERIAL**	2 Letters: indicator of polymer bearing material (refer to Material Selection Chart, below; additional materials may be applied for unique applications) ZA Stainless steel ball bearing ZC Non-corrosive treatment over steel ball bearing ZF Steel (industry standard 52100 material) ball bearing
OE **F** 6000 _ _ RPR	**VARIATION**	(when indicated) F Flange style unit
OE F **6000** _ _ RPR	**RADIAL BEARING**	Industry standard nomenclature for radial bearing being interchanged
OE F **6**000 _ _ RPR	**Type**	1, 3, 5, 6, 7, 9
OE F 6**0**00 _ _ RPR	**Series**	Cross section (18, 19, 0, 1, 2, 3, 4)
OE F 60**00** _ _ RPR	**Bore Size**	00 indicates 10 mm ID 01 indicates 12 mm ID 02 indicates 15 mm ID 03 indicates 17 mm ID 04 indicates 20 mm ID 05 indicates 25 mm ID 06 indicates 30 mm ID 07 indicates 35 mm ID 08 indicates 40 mm ID R_ and 16_ _ series are inch measured units
OE F 6000 **_ _** RPR	**MODIFIER**	-X2 indicates RPR width is equal to that of 2 (two) single radial bearings -1 indicates width is equal to open ball bearing (refers to R-series radials) -2 indicates width is equal to seal/shielded ball bearing (refers to R-series radials) -J indicates white solid lubricated -W indicates black solid lubricated, temperature range -250 to +250ºF -WP is same as above with additional moisture resistance -M indicates black solid lubricated to +450ºF -MP is same as above with additional moisture resistance -R indicates black solid lubricated to +500ºF -T indicates black solid lubricated to +650ºF
OE F 6000 _ _ **RPR**	**RPR**	Suffix indicates EDT's exclusive Poly-Round® bearing

Plane bearings
Radial Poly-Round® and cylindrical Poly-Round®

Ball Bearings

Stainless with standard grease | Stainless with white solid lubricant | NCS treated with black solid lubricant | Stainless with black solid lubricant

Radial Poly-Round® Material Selection Chart

Radial Poly-Round® bearings may be made of various high performance polymers to best fit the application.
Due to the small length-to-diameter ratios of unmounted bearings, useful PVs are lower in RPRs than in mounted bearings.

Radial Poly-Round® bearing materials	RPR PV Limit	Max Speed V (SFM)	Max Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Acceptance
					Washdown	Submerged					
QF black	15,000	400	1,500	500°F	Excellent	Excellent	Excellent	Excellent	Abrasion applications are unpredictable. Each application must be tested for abrasion resistance.	Fair	Incidental
OE brown or black	1,500	350	250	160°F	Excellent	Good	Good	Fair		Fair	Incidental
NA grey	1,500	350	500	200°F	Excellent	Good	Good	Fair		Excellent	Incidental
FA white	1,500	350	250	500°F	Excellent	Excellent	Poor	Excellent		Excellent	Direct

EDT has the widest choice of radial bearing alternatives; something for almost all hostile environments

Radial Poly-Round® bearing

316 stainless + high performance polymer
Greaseless!

FOR DESIGN ASSISTANCE

Complete a Bearing Design Checklist (BDC).
See page K-5 or go to www.edtcorp.com

Successful EDT Radial Poly-Round® (RPR) applications include:

- Guides and wheels
- Oven and freezer idler rolls
- Wash-down duty machinery
- Poultry rehanger
- Ice rakes
- Rollers (low- and medium-speed)
- Dancer bars on packaging machines
- Parts washers
- Robotic linkages

Successful EDT radial ball bearing applications include:

- Exhaust fans
- High speed idler rolls in ovens and freezers
- Refrigeration fans
- High-temperature, high-torque chain tensioners
- Urethane belt food processing equipment

BEARING DESIGN CHECKLIST (BDC)

Reference Project: _____ **Date:** _____

Distributor / Branch | Contact

Customer | Contact

City | State

Phone | Fax

Email

Application Data

Do any of these conditions exist?

- ❍ Modular Belt
- ❍ Tensioned Flat Belt
- ❍ Screw Auger
- ❍ Overhung Load
- ❍ Trunnion
- ❍ USDA/FDA Inspection
- ❍ Indirect Food Contact
- ❍ Direct Food Contact
- ❍ Wash Down
- ❍ Submersion
- ❍ Chemical
- ❍ Abrasive Material
- ❍ Vibration/Impact

What type of drive is being used?

- ❍ Roller Chain
- ❍ Direct Couple
- ❍ Timing Belt/HTD Belt
- ❍ Line Shaft
- ❍ Hydraulic Motor
- ❍ V-Belt
- ❍ Slave Drive
- ❍ Variable Frequency Drive
- ❍ Supported Shaft Mount Reducer
- ❍ Unsupported Shaft Mount Reducer
- ❍ Idler

Bearing for: ❍ New machine ❍ Retrofit

How long is current bearing lasting? (Estimated life)

- Weeks: _____ Months: _____ Years: _____

Is a drawing of current system available? ❍ Yes ❍ No

Existing problem is with: ❍ Bearing ❍ Housing ❍ Both

Suspected cause of failure: _____

_____

Will existing housing be re-used? ❍ Yes ❍ No

Has a plane bearing been tried previously? ❍ Yes ❍ No

- Material or brand: _____

Describe the application:

_____

_____

_____

Bearing Data

❍ Mounted ❍ Type “E”/Roller ❍ Thrust
❍ ER ❍ Unmounted/Radial ❍ Roll End

Shaft Diameter: _____

Shaft RPM: _____

Estimated Load per Bearing: _____

Temp. around bearing: _____

Shaft direction: ❍ Horizontal ❍ Vertical ❍ Inclined

Type of motion: ❍ Radial motion ❍ Linear motion
❍ Expansion ❍ Intermittent ❍ Reversing ❍ Frequent stop/start

Self-alignment required? ❍ Yes ❍ No

Split housing required? ❍ Yes ❍ No

Part # of existing bearing: _____

Style of housing: _____

ENGINEERING NOTES

RADIAL POLY-ROUND® BEARINGS
Radial Bearings & Cam Followers

Radial Bearings

Cam Followers

Roll End Bearing

Filler Wheels

Retrofit

- **Unmounted Radial Bearings**
- **Cam Followers**
- **Roller End Bearings**
- **Filler Wheels**

with greaseless plane bearings for severe service

- Greaseless bearing eliminates issues of lubrication
- USDA/NSF Accepted
- Non-contaminating
- Will not catastrophically fail
- Well-suited to:
  - — Frequent start/stop / intermittent / reversing
  - — Extremes of temperature
  - — Submerged
  - — Washdown
  - — High corrosion

IDEAL FOR **HACCP** PROGRAMS

EDT Radial Poly-Round® bearings and cam-followers …

… physically interchange with industry standard units
but by virtue of being a Class 3 plane bearing, they utilize ***NO GREASE.***
NO GREASE eliminates ALL of the maintenance issues that involve lubrication:

- Maintenance time
- Potential for contamination
- Effects of environment on lubricant
- Expense of lubricant
- Lube-systems
- Scheduling

Radial Poly-Round®-style of bearings are ideal in locations where:

- Both ID and OD move around a fixed shaft (such as a roller)
- A metal OD damages the mating part → polymer OD of RPR will not cause damage
- There is high or low temperature, process moisture, wash-down or submersion that causes rolling element bearings to fail
- There is incomplete, oscillating or intermittent shaft rotation
- Grease that is required to keep ball- or needle- bearings rolling is a problem
- 400-series stainless or standard metal bearings corrode due to environment
- Sanitary requirements (food, beverage, textiles, glass, pharmaceuticals) easier to achieve with grease-less bearings

Material Section Chart

	Poly-Round® Bearing Materials	PV Limit*	Maximum Speed V (SFM)	Maximum Loading P (PSI)	Continuous Operating Temp.	Performance in Moisture		Δ T Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Approval
						Washdown	Submerged					
Bearings	PA UHMW^ white	1,000	50	800	150°F	Excellent	Excellent	Poor	Excellent	Abrasion applications are very non-predictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	OE brown	6,000	250	1,500	160°F	Excellent	Excellent	Good	Good		Excellent	Incidental
	NA gray	6,000	350	2,000	200°F	Excellent	Good	Good	Good		Excellent	Incidental
	FA white	6,000	350	1,000	500°F	Excellent	Excellent	Poor	Excellent		Excellent	Direct
	QF black	60,000	400	6,000	450°F	Excellent	Excellent	Excellent	Excellent		Fair	Incidental

^ PA is not typically used for Radial Poly-Round® bearings due to some of its engineering properties. It is included on this chart as a point of reference of polymer bearing-capability.

* PV limits are included as a point of reference of polymer bearing-capability. The limits listed are realistic for mounted bearings and sleeve bearings; these limits will not typically be achieved in Radial Poly-Round® configuration.

Applications where Radial Poly-Round® plane bearings are **not** recommended

- Tension applications (v-belts, rubber belts, urethane belts, film transfer, etc.)
- High speed devices
- Overhung loads
- Extremely light loads (bearing will not turn without sufficient load)

Applications where plane bearings are not suitable require ball bearings (see catalog section F).

EDT can develop Radial Poly-Round® interchanges for many sizes and styles of machine parts that are used as bearings (unmounted radial bearings, roll-end bearings), or rollers, or filler wheels or cam followers

Interchange bearings that utilize the Radial Poly-Round® design of bearing grade polymer + stainless hub are generally identified with "-RPR" in the EDT part number, such as:

Some common industry-standard radial ball bearings with their dimensions that EDT has available as Radial Poly-Round® (RPR's) are listed here:

O E	6200	_____	-	_____	-	RPR
Material identifier Ref: Material Selection Chart (page 2)	Industry part #	Any modifier (EDT assign)	-	Other description (EDT assign)	-	Radial Poly-Round®

4 mm ID			
p/n	OD	LTB	With Flange OD
694	11	4	12.5
604	12	4	13.5
624	13	5	15.0
634	16	5	18.0

5 mm ID				
p/n	OD	LTB	With Flange OD	
638	11	5	12.5	F685
619	13	4	15	F695
605	14	5	16	F605
625	16	5	18	F625
635	19	6	22	F635

6 mm ID				
p/n	OD	LTB	With Flange OD	
628/6	13	5	15	F686
619/6	15	5	17	F696
625	16	5	19	F606
626	19	6	22	F626

7 mm ID			
p/n	OD	LTB	With Flange OD
F687	14	5	16
F697	17	5	19
F607	19	6	22
F627	22	7	25

8 mm ID			
p/n	OD	LTB	With Flange OD
F688	16	5	18
F698	19	6	22
F608	22	7	25

9 mm ID			
p/n	OD	LTB	With Flange OD
F689	17	5	19
F699	20	6	23

10 mm ID		
p/n	OD	LTB
6800 / 61800	19	5
6900 / 61900	22	6
6000	26	8
16100	28	8
6200	30	9
6300	35	11
5200	30	14.3 9/16"
5300	35	19.05 3/4"

12 mm ID		
p/n	OD	LTB
6801 / 61801	21	5
6901 / 61901	24	6
6001	26	8
16001	28	8
6201	32	9
6301	37	11
5201	32	18 5/8"
5301	37	19.05 3/4"

15 mm ID		
p/n	OD	LTB
6802 / 61802	24	5
6902 / 61902	28	7
6002	32	9
16002	32	8
6202	35	11
6302	42	13
5202	35	5/8"
5302	42	3/4"

17 mm ID		
p/n	OD	LTB
6803 / 61803	26	5
6903 / 61903	30	7
6003	35	10
16003	35	8
6203	40	12
6303	47	14
5203	40	11/16"
5303	47	7/8"

20 mm ID		
p/n	OD	LTB
6804 / 61804	32	7
6904 / 61904	37	9
6004	42	12
16004	42	8
6204	48	14
6304	52	15
5204	47	15/16"
5304	52	7/8"

25 mm ID		
p/n	OD	LTB
6805	37	7
6905 / 61905	42	9
6005	47	12
16005	47	8
6205	52	14
6305	62	17
5205	52	15/16"
5305	62	1"

30 mm ID		
	OD	LTB
6806	42	7
6906 / 61906	47	9
6006	55	13
16006	55	9
6206	62	16
6306	72	19
5206	62	15/16"
5306	72	1-3/8"

35 mm ID		
	OD	LTB
6807 / 61807	47	7
6907/ 61907	55	10
6007	62	14
16007	62	9
6207	72	17
6307	80	21
5207	72	1-1/16"
5307	80	1-3/8"

These are examples of the interchange sizes available; other sizes can be made.

(Inch size on next page)

Inch series (single row width)

ID	p/n	OD	LTB
1/8"			
3/16"			
1/4"	1602	11/16"	1/4"
5/16"	1603	7/8"	9/32"
3/8"	1604	7/8"	9/32"
5/16"	1605	29/32"	5/16"
3/8"	1606	29/32"	5/16"
7/16"	1607	29/32"	3/4"
3/8"	1614	1-1/8"	3/4"
7/16"	1615	1-1/8"	3/4"
1/2"	1616	1-1/8"	7/16"
7/16"	1620	1-3/8"	3/4"
1/2"	1621	1-3/8"	7/16"
5/8"	1623	1-3/8"	7/16"
5/8"	1628	1-5/8"	7/16"
3/4"	1630	1-5/8"	1/2"
5/8"	1633	1-3/4"	1/2"
3/4'	1635	1-3/4"	1/2"
3/4"	1638	2"	9/16"
7/8"	1640	2"	9/16"
1"	1641	2"	9/16"
1-1/8"	1652	2-1/2"	5/8"
1-1/4"	1654	2-1/2"	5/8"
1-1/4"	1657	2-9/16"	11/16"
1-1/2"			

ID	p/n	OD	LTB	
			open -1	shield -2
1/8"	R2	3/8"	0.156	0.156
3/16"	R3	1/2"	0.156	0.196
1/4"	R4	5/8"	0.196	0.196
1/4"	R4A	3/4"	0.218	0.2812
3/8"	R6	7/8"	0.218	0.2812
1/2"	R8	1-1/8"	0.25	0.3125
5/8"	R10	1-3/8"	0.281	0.3438
3/4"	R12	1-5/8"	0.312	0.4375
7/8"	R14	1-7/8"	0.375	0.500
1"	R16	2"	0.375	0.500
1-1/8"	R18	2-1/8"	0.375	0.500
1-1/4"	R20	2-1/4"	0.375	0.500
1-1/2"	R24	2-5/8"	0.563	

These are examples of the interchange sizes available; other sizes can be made.

Some common industry-standard **cam followers** with their dimensions that EDT has available as Radial Poly-Round® (RPR's) are listed here:

O E	**C**	_____	_____	-	_____	-	_____	**RPR**
Material identifier Ref: Material Selection Chart (page 2)	Cam follower M = Metric	Y = Yoke F = Stud R = Roller	O = [placeholder] R = Flush H = Hex S = Slotted	-	ID size NTE 3 digits (or in 16^{ths})	-	Other modifier C = Crowned E = Eccentric M = Smaller OD N = Narrow S = (placeholder)	Radial Poly-Round®

EDT part numbers			Roller OD	Roller LTB	Roller ID OR Stud thread	
Yoke type	Stud type	Roller (with boss)				
CYR-x or CYR-x-S	CF-x or CF-x-B	CR-x or CR-x-			ID	Stud Thread
_ _CYR-10-SRPR	_ _CFO-10-SRPR	_ _CR-xx-RPR	5/8"	7 /16"		1 /4-28
_ _CYR-3/4-SRPR	_ _CFO-3/4-SRPR	_ _CR-xx-RPR	3 / 4"	1 / 2"	1 / 4"	3/8 -24
_ _CYR-14-SRPR	_ _CFO-14-SRPR	_ _CR-xx-RPR	7/8"	1 / 2"	1 / 4"	3/8 -24
_ _CYR-16-SRPR	_ _CFS-16-SRPR	_ _CR-xx-RPR	1"	5 / 8"	5 /16"	7/16-20
_ _CYR-18-SRPR	_ _CFO-18-SRPR	_ _CR-xx-RPR	1-1/8"	5/8"	5 /16"	7/16-20
_ _CYR-20-SRPR	_ _CFO-20-SRPR	_ _CR-xx-RPR	1-1/4"	3 / 4"	3 / 8"	1/ 2-20
_ _CYR-22-SRPR	_ _CFS-22-SRPR	_ _CR-xx-RPR	1-3/8"	3 / 4"	3 / 8"	5/8-18
_ _CYR-24-SRPR	_ _CFO-24-SRPR	_ _CR-xx-RPR	1-1/2"	7/ 8"	7/16"	5/8-18
_ _CYR-26-SRPR	_ _CFO-26-SRPR	_ _CR-xx-RPR	1-5/8"	7/ 8"	7/16"	5/8-18
_ _CYR-28-SRPR	_ _CFO-28-SRPR	_ _CR-xx-RPR	1-3/4"	1"	1 / 2"	3 /4-16

These are examples of the interchange sizes available; other sizes can be made.

Common industry-standard **needle bearing assemblies** with dimensions that EDT has available as Radial Poly-Round® (RPR's) are listed here:

EDT part number	Industry part numbers Outer ring /inner ring N indicates Narrow ltb	ID	OD	LTB N indicates Narrow LTB
_ _MR-10-NRPR	MR-14-N / MI-10-N	5/8"	1-1/8"	¾"
_ _MR-12-NRPR	MR-16-N / MI-12-N	3/4"	1-1/2"	¾"
_ _MR-14-NRPR	MR-18-N / MI-14-N	7/8"	1-5/8"	1"
_ _MR-16-NRPR	MR-20-N / MI-16-N	1"	1-3/4"	1"
_ _MR-18-NRPR	MR-22-N / MI-18-N	1-1/8"	1-7/8"	1"
_ _MR-20-NRPR	MR-24-N / MI-20-N	1-1/4"	2-1/8"	1"
_ _MR-22-MRPR	MR-26 / MI-22-4S	1-3/8"	2-3/16"	1-1/4"
_ _MR-22-0RPR	MR-28 / MI-22	1-3/8"	2-5/16"	1-1/4"
_ _MR-24-NRPR	MR-28-N/ MI-24-N	1-1/2"	2-5/16"	1"
_ _MR-24-0RPR	MR-28 / MI-24	1-1/2"	2-5/16"	1-1/4"

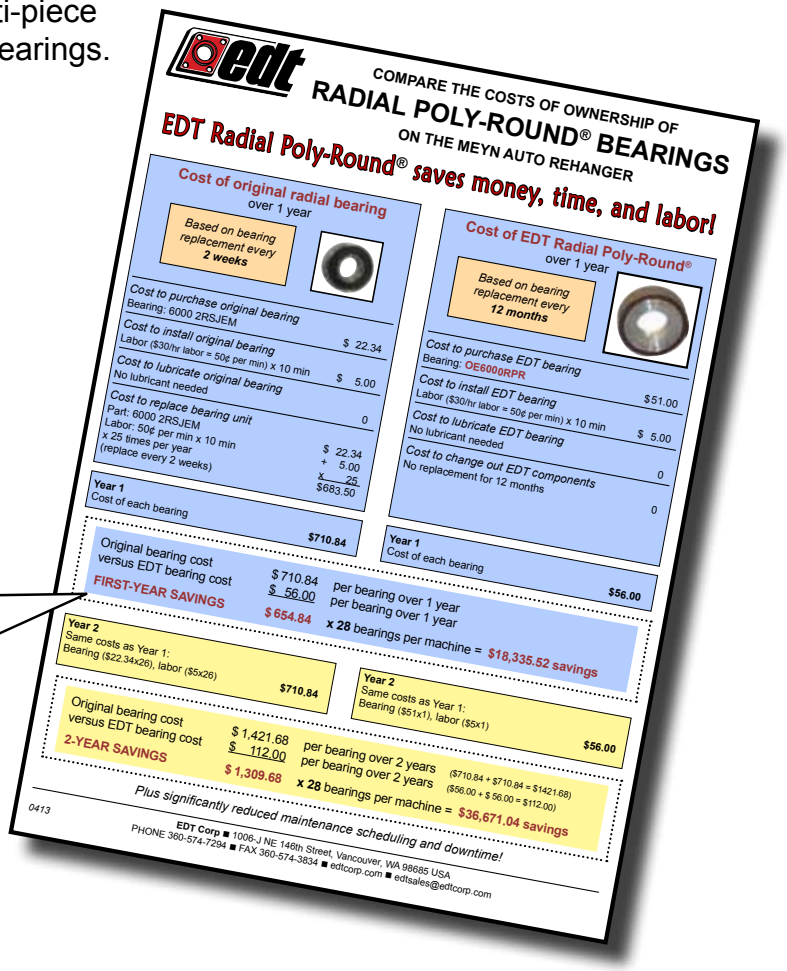
These are examples of the interchange sizes available; other sizes can be made.

Guide wheels and other assemblies that incorporate radial ball bearings or other multi-piece units can be made as Radial Poly-Round® bearings.

FAU1510.75RPR
Beverage filler wheel retrofit

OEVR8X2RPR-D0420
Can filler wheel retrofit

Look at the savings that can be realized despite higher initial cost: EDT **Radial Poly-Round®** at $51 versus radial ball bearing at $22.



EDT can assist you in:

- Evaluating application as suitable for an RPR bearing
- Help you select best material
- Based on current product longevity, illustrate the cost savings you might expect

FOR DESIGN ASSISTANCE

Complete a Bearing Design Checklist (BDC)
See page K-5 or go to www.edtcorp.com

Successful EDT Radial Poly-Round® (RPR) applications include:

- Guides and wheels
- Oven and freezer idler rolls
- Wash-down duty machinery
- Poultry rehanger
- Ice rakes
- Rollers (low- and medium-speed)
- Dancer bars on packaging machines
- Parts washers
- Robotic linkages

Radial Poly-Round® (RPR) bearings are available to retrofit:

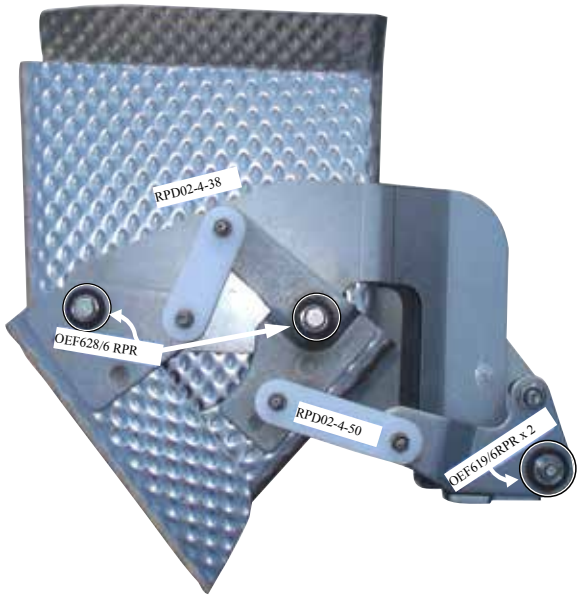
- Unmounted ball bearings of many configurations
- Some sizes of needle bearings
- Many styles of cam followers
- V-groove wheels

RPRs can be made for specific applications, especially those where:

- Both ID and OD move around a fixed shaft
- The shaft surface finish cannot be controlled (bolts, steel bar, corrosive environments)
- Operating environment is not conducive to industry-available products because of:
- 400-series stainless
  - Grease
  - Rolling elements
  - Multiple pieces to assemble
- Infrequent, incomplete, oscillating motion
- Bearing location is difficult to replace or critical for reliable operation

In suitable applications,
Radial Poly-Round® bearings

- Save time
- Eliminate grease
- Eliminate catastrophic failure
- Reduce inventory
- Save Money!



Example of RPR application:
Bulk product scale feeder bucket

FOR DESIGN ASSISTANCE

Complete a Bearing Design Checklist (BDC).
See page K-5 or go to www.edtcorp.com

STAINLESS AND POLYMER SOLUTION® HOUSINGS

Stainless Temp Range:
Cryogenic to +1000 deg F

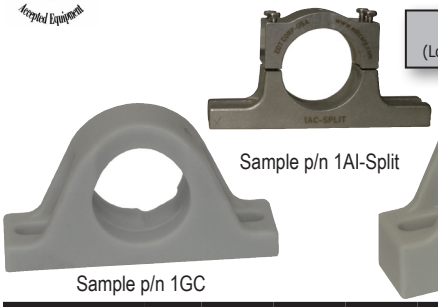
Polymer Temp Range:
-40 deg F to 150 deg F

EDT Solution® housings: Sanitary, non-corrosive, and durable

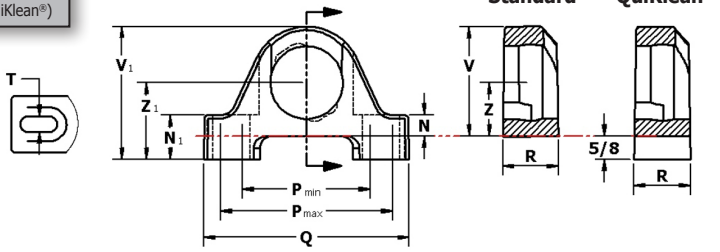
- USDA accepted
- Smooth surfaces, few crevices for maximum cleanability
- Ideal for HACCP/HARPC programs
- Accepts most insert bearings, including Poly-Round® and Poly-Round® Plus, All-Round®, ball bearings and other bearing manufacturers' products
- Available in most styles and sizes (standard and metric), 1/2" - 3-7/16"
- Direct interchange with industry-standard self-aligning mounted bearings
- Housing can be reused many times
- Includes stainless grease fitting and setscrew
- QuiKlean® housings: One-piece integral standoff increases accessability for cleaning

Pillow Block

Polymer or Stainless Standard Backing Height ("1" Series) and Low Backing Height ("10" Series) Pillow Block



*QuiKlean® adds .625" (5/8") standoff
(Low back pillow block not available as QuiKlean®)

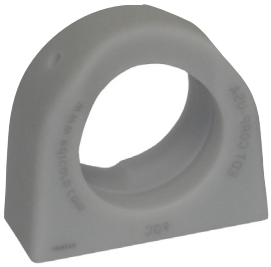


x = Shaft Size			mm∅ Inch∅ Ring Group	"1" Series Z Z1*	"1" Series p/n	"1" Series Wt. in lbs.	"10" Series Z	"10" Series p/n	"10" Series Wt. in lbs.	Q	P Min	P Max	N N1*	V V1*	R KG	R SS	U KG	U SS	T Bolt size	DoubleLock® Sleeve F	DoubleLock® Sleeve K
mm	in	16ths		in mm	KG SS		in mm	KG SS		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	1.06	1GA	.2	--	--	--	5	2.94	4.06	.44	2.25	1.25	1.13	.62	.57	3/8	.44	1.49
	9/16	9	**1.575**	27.0	1AA	.7				127.0	74.6	103.2	11.1	57.2	31.8	28.6	15.8	14.5		11.2	38
15	5/8	10	203	1.69	1GA-QK								1.06	2.87							
17	11/16	11	**A**	42.9									26.9	72.9							
12	**1/2**	**8**	47	1.31	1GB	.3	1.25	10GB	.3	5.25	3.25	4.38	.50	2.69	1.38	1.13	.57	.57	3/8	.50	1.63
	9/16	9	**1.850**	33.3	1AB	1.2	31.8	10AB	1.0	133.4	82.6	111.1	12.7	68.3	34.9	28.6	14.5	14.5		12.7	41
15	**5/8**	**10**	204	1.94	1GB-QK			N/A	--				1.13	3.31							
17	11/16	11	**B**	49.2									28.6	84.1							
20	**3/4**	**12**																			
	3/4	12	52	1.44	1GC	.41	1.31	10GC	.4	5.5	3.44	4.63	.56	2.94	1.50	1.13	.75	.57	3/8	.50	1.75
	13/16	13	**2.047**	36.5	1AC	1.3	33.3	10AC	1.1	139.7	87.3	117.5	14.3	74.6	38.1	28.6	18.0	14.5		12.7	44
	7/8	14	205	2.06	1GC-QK			N/A	--				1.19	3.56							
25	15/16	15	**C**	52.4	1AC-QK								30.2	90.5							
	1	**16**																			
	1	16	62	1.69	1GD	.5	1.56	10GD	.5	6.25	4.13	5.13	.69	3.38	1.75	1.50	.88	.76	1/2	.50	2.0
	1-1/16	17	**2.441**	42.9	1AD	2.4	39.7	10AD	2.3	158.7	104.8	130.2	17.5	85.7	44.5	38.1	22.4	19.3		12.7	50
	1-1/8	18	206	2.31	1GD-QK			N/A	--				1.31	4.0							
30	**1-3/16**	**19**	**D**	58.7									33.3	101.6							
	1-1/4	20																			
	1-3/16	19	72	1.88	1GE	.7	1.81	10GE	.7	6.56	4.69	5.44	.69	3.88	1.75	1.50	.93	.74	1/2	.50	2.25
	1-1/4	**20**	**2.835**	47.6	1AE	2.9	46.0	10AE	2.9	166.7	119.1	138.1	17.5	98.4	44.5	38.1	23.6	18.8		12.7	57
	1-5/16	21	207	2.50	1GE-QK			N/A	--				1.31	4.50							
35	1-3/8	22	**E**	63.5									33.3	114.3							
	1-7/16	23																			
	1-7/16	23	80	2.13	1GF	.9	1.94	10GF	.8	7.25	5	6.13	.75	4.31	1.94	1.63	.97	.81	1/2	.50	2.38
	1-1/2	**24**	**3.150**	54.0	1AF	4.2	49.2	10AF	3.7	184.2	127.0	155.6	19.1	109.5	49.2	41.3	24.6	20.6		12.7	60
40	1-9/16	25	208	2.75	1GF-QK			N/A	--				1.38	4.94							
	1-5/8	26	**F**	69.9									34.9	125.4							
	1-1/2	24	85	2.13	1GG	.9	2.06	10GG	.9	7.44	5.31	6.31	.75	4.38	2	1.75	1.0	.86	1/2	.63	2.75
	1-5/8	**26**	**3.346**	54.0	1AG	4.8	52.4	10AG	4.5	188.9	134.9	160.3	19.1	111.1	50.8	44.5	25.4	21.8		15.9	70
	1-11/16	27	209																		
45	**1-3/4**	**28**	**G**																		
	1-11/16	27	90	2.25	1GH	1.4	2.19	10GH	1.3	8.13	5.88	6.75	.75	4.63	2.25	2	1.1	.99	5/8	.63	3
	1-3/4	28	**3.543**	57.2	1AH	6.1	55.6	10AH	5.8	206.4	149.2	171.5	19.1	117.5	57.2	50.8	27.9	25.2		15.9	76
	1-13/16	29	210																		
	1-7/8	30	**H**																		
50	**1-15/16**	**31**																			
	2	**32**																			
	1-15/16	31	100	2.50	1GI	1.5	2.44	10GI	1.5	8.88	6.38	7.50	.88	5.13	2.38	2	1.17	.99	5/8	.63	3.25
	2	32	**3.937**	63.5	1AI	7.2	61.9	10AI	7.1	225.4	161.9	190.5	22.2	130.2	60.3	50.8	29.7	25.2		15.9	83
	2-1/16	33	211																		
55	2-1/8	34	**I**																		
	2-3/16	**35**																			
	2-1/4	36																			
	2-3/16	35	110	2.75	1GJ	1.8	2.69	10GJ	1.6	9.5	6.44	8.13	.88	5.50	2.50	2	1.25	.99	5/8	.63	3.4
	2-1/4	**36**	**4.331**	69.9	1AJ	8.5	68.3	10AJ	8.0	241.3	163.5	206.4	22.2	139.7	63.5	50.8	31.2	25.2		15.9	86
	2-5/16	37	212																		
60	2-3/8	38	**J**																		
	2-7/16	**39**																			
	2-7/16	39	125	3.0	1GK	2.4	3.13	10GK	2.4	10.75	7.44	9.13	.94	6.25	2.75	2	1.34	.99	3/4	.75	3.8
	2-1/2	40	**4.921**	76.2	1AK	9.7	79.4	10AK	9.0	273.1	188.9	231.8	23.8	158.7	69.9	50.8	34.0	25.2		19.1	96
	2-5/8	42	214																		
	2-11/16	43	**K**																		
70	**2-3/4**	**44**																			
	2-11/16	43	130	3.50	1GL	3.2	3.25	10GL	3.2	11.75	8.25	9.75	1	6.88	2.88	2	1.4	1.24	7/8	.75	4.13
	2-3/4	44	**5.118**	88.9	1AL	16.1	82.5	10AL	15.5	298.5	209.6	247.7	25.4	174.6	73.0	50.8	35.6	31.5		19.1	105
	2-13/16	45	215																		
	2-7/8	46	**L**																		
75	**2-15/16**	**47**																			
	3	**48**																			
	2-3/4	44	140	3.50	1GM	3.0	--	--	--	11.75	8.25	9.75	1	6.88	2.88	2	1.4	1.24	7/8	.75	4.7
	2-7/8	46	**5.511**	88.9	1AM	15.9				298.5	209.6	247.7	25.4	174.6	73.0	50.8	35.6	31.5		19	120
	2-15/16	47	216																		
80	3	48	**M**																		
	3-1/8	50																			
	3-3/16	51																			
	2-3/4	44	160	4	--	--	--	--	--	14	10.3	11.63	1.94	8	--	2.22	--	1.11	7/8	.75	4.1
	2-15/16	47	**6.299**	101.6	1AO	23.2				355.6	261.6	295.4	49.3	203.2		56.4		28.2		19	104.1
	3-1/4	52	218																		
	3-7/16	55	**O**																		
90	3-1/2	56																			

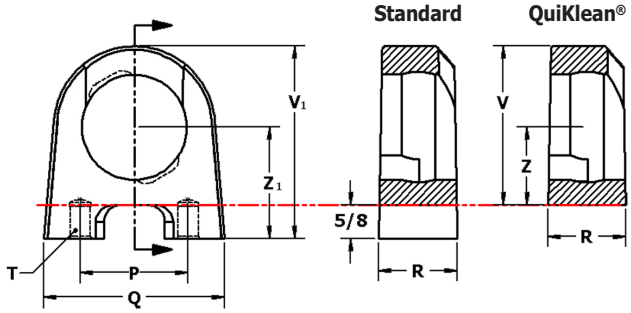
Tapped Base Pillow Block

Polymer or Stainless “9” Series Tapped Block

Sample p/n 9AE-QK



Sample p/n 9GE



*QuiKlean® adds .625” (5/8”) standoff

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)				Polymer (KG)				Z	P	T	Q	U		DoubleLock® Sleeve	
				Housing p/n	R	V V1*	Wt. in lbs.	Housing p/n	R	V V1*	Wt. in lbs.	Z1*				KG	SS	F	K
mm	in	16ths			in mm	in mm			in mm	in mm		in mm	in mm	Unc thread	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	9AA	1.13 28.6	2.46 61.1	1.0	9GA	1.12 28.4	2.46 62.5	.2	1.31 33.3	2 50.8	3/8 - 16	3 76.2	.56 14.2	.56 14.2	.44 11.2	1.49 38
15	9/16	9	**1.575**																
	5/8	10	203																
17	11/16	11	**A**	9AA-QK		3.08 78.2	1.1	9GA-QK		3.25 82.6	.4	1.94 49.2							
12	**1/2**	**8**	47	9AB	1.13 28.6	2.58 64.3	1.0	9GB	1.12 28.4	2.58 66.7	.25	1.31 33.3	2 *50.8*	3/8 - 16	3.07 78.0	.56 14.2	.56 14.2	.50 12.7	1.63 41
15	9/16	9	**1.850**																
	5/8	**10**	204																
17	11/16	11	**B**	9AB-QK		3.2 81.3	1.2	9GB-QK		3.2 81.3	.3	1.94 49.2							
20	**3/4**	**12**																	
	3/4	12	52	9AC	1.13 28.6	2.94 74.6	1.2	9GC	1.14 28.9	2.94 74.6	.3	1.44 36.5	2 50.8	3/8 - 16	3 76.2	.56 14.2	.56 14.2	.50 12.7	1.75 44
	13/16	13	**2.047**																
	7/8	14	205																
25	15/16	15	**C**	9AC-QK		3.45 90.5	1.4	9GC-QK		3.45 90.5	.35	2.06 52.4							
	1	**16**																	
	1	16	62	9AD	1.5 38.1	3.25 82.5	2.2	9GD	1.63 41.3	3.38 85.7	.4	1.69 42.9	3 76.2	7/16 - 14	4.25 108.0	.81 20.6	.74 18.8	.50 12.7	2 50
	1-1/16	17	**2.441**																
	1-1/8	18	206																
30	**1-3/16**	**19**	**D**	9AD-QK		4 101.6	2.5	9GD-QK		4 101.6	.5	2.31 58.7							
	1-1/4	20																	
	1-3/16	19	72	9AE	1.5 38.1	3.69 93.7	2.7	9GE	1.75 44.5	3.88 98.4	.6	1.55 47.6	3.25 82.6	1/2 - 13	4.5 114.3	.88 22.4	.74 18.8	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**																
	1-5/16	21	207																
35	1-3/8	22	**E**	9AE-QK		4.3 109.2	3.2	9GE-QK		4.5 114.3	.7	2.5 63.5							
	1-7/16	23																	
	1-7/16	23	80	9AF	1.63 41.3	4.12 104.8	3.2	9GF	1.88 47.6	4.13 104.8	.7	1.94 49.2	3.5 88.9	1/2 - 13	4.75 120.7	.93 23.6	.81 20.6	.50 12.7	2.38 60
	1-1/2	**24**	**3.150**																
	1-9/16	25	208																
40	1-5/8	26	**F**	9AF-QK		4.75 120.6	3.8	9GF-QK		4.75 120.6	.9	2.56 65.1							
	1-1/2	24	85	9AG	1.75 44.5	4-1/4 108.0		9GG	2 50.8	4.38 111.1	.8	2.12 54.0	3.75 95.3	1/2 - 13	5.25 133.4	.98 24.9	.86 21.8	.63 15.9	2.75 70
	1-5/8	**26**	**3.346**																
	1-11/16	27	209																
45	**1-3/4**	**28**	**G**																
	1-11/16	27	90	9AH	2 50.8	4-1/2 114.3	5.5	9GH	2.12 54	4.75 120.7	1.1	2.25 57.2	4 101.6	5/8 - 11	5.75 146.1	1.1 28.0	.98 25.0	.63 15.9	3 76
	1-3/4	28	**3.543**																
	1-13/16	29	210																
	1-7/8	30	**H**																
50	**1-15/16**	**31**																	
	2	**32**																	
	1-15/16	31	100	9AI	2 50.8	4-23/32 119.9	6.0	9GI	2.12 54	4.75 120.7	1.0	2.25 57.2	4 101.6	5/8 - 11	5.75 146.1	1.1 28.0	.98 25.0	.63 15.9	3.25 83
	2	32	**3.937**																
	2-1/16	33	211																
	2-1/8	34	**I**																
55	**2-3/16**	**35**																	
	2-1/4	36																	
	2-3/16	35	110	9AJ	2 50.8	5-3/8 136.5	6.3	--	--	--		2.75 69.9	4.25 108.0	5/8 - 11	6.5 165.1	1.1 28.0	.98 25.0	.63 15.9	3.4 86
	2-1/4	**36**	**4.331**																
	2-5/16	37	212																
60	2-3/8	38	**J**																
	2-7/16	**39**																	
	2-7/16	39	125	9AK	2 50.8	6-1/16 154.0	7.0	--	--	--		3 76.2	5 127.0	3/4 - 10	7.5 190.5	1.1 28.0	.98 25.0	.75 19.1	3.8 96
	2-1/2	40	**4.921**																
	2-5/8	42	214																
70	2-11/16	43	**K**																
	2-3/4	**44**																	
	2-11/16	43	130	9AL	2 50.8	6-3/4 171.5	7.5	--	--	--		3.5 88.9	5.25 133.4	7/8 - 9	8 203.2	1.1 28.0	.98 25.0	.75 19.1	4.13 105
	2-3/4	44	**5.118**																
	2-13/16	45	215																
75	2-7/8	46	**L**																
	2-15/16	**47**																	
	3	**48**																	

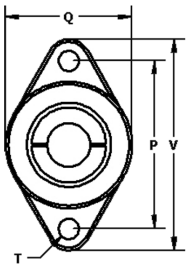
2-Bolt Flange

Polymer or Stainless “2” Series Flange Housing

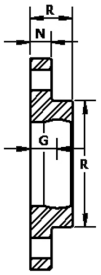
Sample p/n 2AE

Sample p/n 2GC-QK

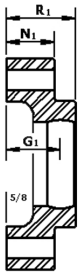
*QuiKlean® adds .625” (5/8”) standoff & LTB



Poly-Round®



Standard



QuiKlean®

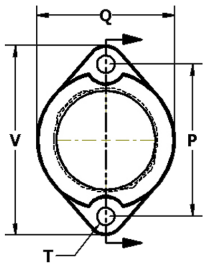
x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)			Polymer (KG)			P	V	T	G	R	N	DoubleLock® Sleeve	
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n	Q in mm	Wt. in lbs.	in mm	in mm	Bolt size	G_1* in mm	R_1* in mm	N_1* in mm	F in mm	K in mm
mm	in	16ths															
12	1/2	8	40	2AA	2.15 54.6	.5	2GA	2.15 54.6	.1	3 76.2	3.88 98.4	3/8	.53 13.4	.85 24.1	.44 11.1	.44 11.2	1.49 38
15	9/16	9	**1.575**														
	5/8	10	203	2AA-QK		.6	2GA-QK		--				1.15 29.3	1.48 37.6	1.06 27.1		
17	11/16	11	**A**														
12	**1/2**	**8**	47	2AB	2.42 61.5	.7	2GB	2.69 68.3	.2	3.53 89.7	4.41 112	3/8	.59 15	.95 24.1	.44 11.1	.50 12.7	1.63 41
15	9/16	9	**1.850**														
17	**5/8**	**10**	204	2AB-QK		.9	2GB-QK		.2				1.22 30.8	1.56 39.7	1.06 26.9		
20	11/16	11	**B**														
	3/4	**12**															
	3/4	12	52	2AC	2.66 67.5	1.0	2GC	2.94 74.6	.2	3.89 98.8	4.89 124.2	7/16	.63 16	1 25.4	.50 12.7	.50 12.7	1.75 44
	13/16	13	**2.047**														
	7/8	14	205	2AC-QK		1.3	2GC-QK		.2				1.26 3.19	1.62 41.2	1.12 28.6		
25	15/16	15	**C**														
	1	**16**															
	1	16	62	2AD	3.12 79.4	1.5	2GD	3.63 92.1	.3	4.6 116.7	5.69 142.1	7/16	.66 16.7	1.06 27.0	.50 12.7	.50 12.7	2 50
	1-1/16	17	**2.441**														
	1-1/8	18	206	2AD-QK		1.9	2GD-QK		.4				1.29 32.6	1.68 42.8	1.12 28.6		
30	**1-3/16**	**19**	**D**														
	1-1/4	20															
	1-3/16	19	72	2AE	3.62 92.1	2.0	2GE	4 101.6	.4	5.12 130.2	6.25 158.7	1/2	.79 20.1	1.22 31.0	.56 14.3	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**														
	1-5/16	21	207	2AE-QK		2.5	2GE-QK		.5				1.42 35.9	1.84 46.8	1.18 30.2		
35	1-3/8	22	**E**														
	1-7/16	23															
	1-7/16	23	80	2AF	4 101.6	2.5	2GF	4.56 115.9	.6	5.66 143.7	6.78 172.2	1/2	.76 19.3	1.24 27.4	.56 14.3	.50 12.7	2.38 60
	1-1/2	**24**	**3.150**														
40	1-9/16	25	208	2AF-QK		2.9	2GF-QK		--				1.39 35.1	1.68 42.8	1.18 30.2		
	1-5/8	26	**F**														
	1-1/2	24	85	2AG	4.25 108.0	2.9	2GG	4.75 120.7	.6	5.84 148.4	6.97 177.0	1/2	.76 19.3	1.24 27.4	.63 15.9	.63 15.9	2.75 70
	1-5/8	**26**	**3.346**														
45	1-11/16	27	209														
	1-3/4	**28**	**G**														
	1-11/16	27	90	2AH	4.56 115.9	3.2	2GH	5.06 128.6	.7	6.19 157.2	7.31 185.7	1/2	.77 19.6	1.24 27.4	.63 15.9	.63 15.9	3 76
	1-3/4	28	**3.543**														
	1-13/16	29	210														
50	1-7/8	30	**H**														
	1-15/16	**31**															
	2	**32**															
	1-15/16	31	100	2AI	5.06 128.6	4.8	2GI	5.88 149.2	1.1	7.25 184.2	8.63 219.1	5/8	.92 23.4	1.47 37.3	.69 17.5	.63 15.9	3.25 83
	2	32	**3.937**														
	2-1/16	33	211														
55	2-1/8	34	**I**														
	2-3/16	**35**															
	2-1/4	36															
	2-3/16	35	110	2AJ	5.62 142.9	6.4	2GJ	6.56 161.9	1.6	7.95 202.0	9.33 236.9	5/8	1.07 27.2	1.65 42.1	.69 17.5	.63 15.9	3.4 86
	2-1/4	**36**	**4.331**														
60	2-5/16	37	212														
	2-3/8	38	**J**														
	2-7/16	**39**															
	2-7/16	39	125	2AK	6.44 163.5	3.5	2GK	6.94 176.2	1.7	8.31 211.1	9.69 246.1	5/8	1.25 31.8	1.87 47.6	.75 19.1	.75 19.1	3.8 96
	2-1/2	40	**4.921**														
	2-5/8	42	214														
70	2-11/16	43	**K**														
	2-3/4	**44**															
	2-11/16	43	130	2AL	6.5 165.1	9.5	2GL	6.94 176.2	1.8	8.5 215.9	10.13 257.2	3/4	1.38 35.1	2 50.8	1 25.4	.75 19.1	4.13 105
	2-3/4	44	**5.118**														
	2-13/16	45	215														
75	2-7/8	46	**L**														
	2-15/16	**47**															
	3	**48**															

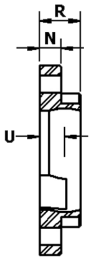
Small Pattern 2-Bolt Flange

Polymer or Stainless "6" Series Small Pattern 2-Bolt Housing

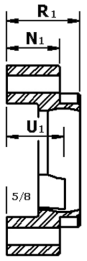
Sample p/n 6AB

Sample p/n 6GB





Standard



QuiKlean®

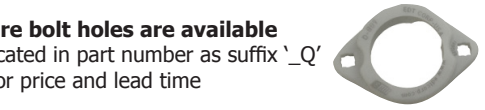
*QuiKlean® adds .625" (5/8") standoff & LTB

x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		Polymer (KG)		P	V	T	R	N	Z	Q	N	DoubleLock® Sleeve	
											R_1*	N_1*	Z_1*			F	K
mm	in	16ths		Housing p/n	Wt. in lbs.	Housing p/n	Wt. in lbs.	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12	1/2	8	40	6AA	.4	6GA	.06	2.5 63.5	3.18 81.0	1/4	.69 17.5	.38 9.5	.42 10.7	2.09 53.2	.44 11.2	.44 11.2	1.49 38
15	9/16	9	**1.575**														
	5/8	10	203														
17	11/16	11	**A**														
12	**1/2**	**8**															
	9/16	9	47														
15	**5/8**	**10**	**1.850**	6AB	.5	6GB	.08	2.81 71.4	3.56 90.5	5/16	.87 22.2	.42 10.7	.50 12.7	2.42 61.4	.50 12.7	.50 12.7	1.63 41
17	11/16	11	204														
20	**3/4**	12	**B**														
	3/4	12															
	13/16	13	52														
	7/8	14	**2.047**	6AC	.7	6GC	.13	3 76.2	3.75 95.2	5/16	.81 20.6	.42 10.7	.50 12.7	2.72 69.1	.50 12.7	.50 12.7	1.75 44
25	15/16	15	205														
	1	**16**	**C**														
	1	16															
	1-1/16	17	62														
	1-1/8	18	**2.441**	6AD	1.7	6GD	.15	3.56 90.5	4.43 112.7	3/8	.96 24.6	.46 11.9	.56 14.3	3.09 78.6	.56 14.2	.50 12.7	2 50
30	**1-3/16**	**19**	206														
	1-1/4	20	**D**														
	1-3/16	19															
	1-1/4	**20**	72	6AE	1.1	6GE	.16				.84 21	.50 12.7	.56 14.3				
	1-5/16	21	**2.835**					3.94 100.0	4.74 125.4	3/8				3.50 88.9	.56 14.2	.50 12.7	2.25 57
	1-3/8	22	207	6AE-QK	1.5	6GE-QK	.2				1.5 38.1	1.12 28.5	1.18 30.2				
35	1-7/16	23	**E**														

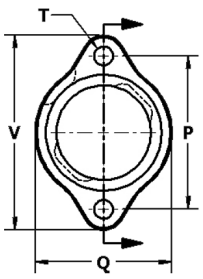
Piloted 2-Bolt Flange

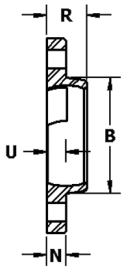
Stainless "6-SP" Series Piloted Small Pattern 2-Bolt Housing

Square bolt holes are available
*Indicated in part number as suffix `_Q'
Call for price and lead time



Sample p/n 6AB-SP





x = Shaft Size			mm∅ Inch∅ Ring Group	Stainless (SS)		P	V	T	R	N	Q	B	DoubleLock® Sleeve	
mm	in	16ths		Housing p/n	Wt. in lbs.	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	F in mm	K in mm
12	**1/2**	**8**												
	9/16	9	47											
15	**5/8**	**10**	**1.850**	6AB-SP	.4	2.81 71.4	3.56 90.5	5/16	.73 18.5	.35 8.9	2.50 63.5	2.12 53.8	.50 12.7	1.63 41
17	11/16	11	204											
20	**3/4**	12	**B**											
	3/4	12												
	13/16	13	52											
	7/8	14	**2.047**	6AC-SP	.48	3 76.2	3.75 95	5/16	.78 19.8	.42 10.7	2.72 69.1	2.34 59.4	.50 12.7	1.75 44
25	15/16	15	205	6AC-SP-Q*										
	1	**16**	**C**											

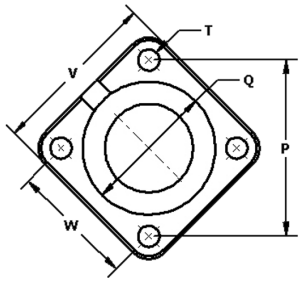
4-Bolt Flange

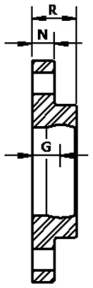
Polymer or Stainless "4" Series 4-Bolt Flange Housing

Sample p/n 4GE-QK

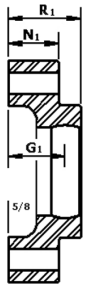
Sample p/n 4AE

Sample p/n 4AG-SPLIT





Standard



QuiKlean®

*QuiKlean® adds .625" (5/8") standoff & LTB

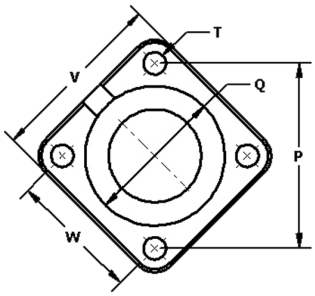
x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	**Stainless (SS)**			**Polymer (KG)**			W	V	P	T	G	R	N	DoubleLock® Sleeve	
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n	Q in mm	Wt. in lbs.	in mm	in mm	in mm	Bolt size	G_1* in mm	R_1* in mm	N_1* in mm	F in mm	K in mm
mm	in	16ths																
12	1/2	8	40	4AA	2.15 54.6	.8	4GA	2.15 54.6	.2	2.12 54.0	3 76.2	3 76.2	3/8	.53 13.5	.85 21.4	.43 11.1	.44 11.2	1.49 38
	9/16	9	**1.575**															
15	5/8	10	203	--			4GA-QK		.2					1.15 29.2	1.44 37.4	1.06 27		
17	11/16	11	**A**															
12	**1/2**	**8**	47	4AB	2.42 61.5	1.5	4GB	2.68 68.1	.3	2.5 63.5	3.37 85.7	3.54 89.9	3/8	.59 15.1	.84 23.8	.44 11.1	.50 12.7	1.63 41
	9/16	9	**1.850**															
15	**5/8**	**10**	204	4AB-QK			4GB-QK		.3					1.22 30.6	1.57 39.9	1.06		
17	11/16	11	**B**															
20	**3/4**	**12**																
	3/4	12	52	4AC	2.66 67.6	1.7	4GC	2.93 74.4	.4	2.75 69.9	3.75 95.3	3.89 98.8	7/16	.63 16.7	1 25.4	.5 12.7	.50 12.7	1.75 44
	13/16	13	**2.047**															
	7/8	14	205	4AC-QK			4GC-QK		.4					1.26 32	1.63	1.12		
25	15/16	15	**C**															
	1	**16**																
	1	16	62	4AD	3.12 79.2	2.2	4GD	3.62 91.9	.5	3.25 82.6	4.25 108.0	4.59 116.6	7/16	.66 16.7	1.07 27.0	.5 12.7	.50 12.7	2.0 50
	1-1/16	17	**2.441**															
	1-1/8	18	206	4AD-QK		2.8	4GD-QK		.5					1.28 32	1.69	1.12		
30	**1-3/16**	**19**	**D**															
	1-1/4	20																
	1-3/16	19	72	4AE	3.62 91.9	3.2	4GE	4.0 101.6	.6	3.62 92.1	4.75 120.7	5.13 130.3	1/2	.79 20.1	1.22 31.0	.56 14.3	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**															
	1-5/16	21	207	4AE-QK		3.9	4GE-QK		.6					1.42 36	1.85	1.19		
35	1-3/8	22	**E**															
	1-7/16	23																
	1-7/16	23	80	4AF	4 101.6	4.2	4GF	4.56 115.8	.6	4 101.6	5.12 130.2	5.66 143.7	1/2	.77 19.5	1.24 31.8	.56 14.3	.50 12.7	2.38 60
	1-1/2	**24**	**3.150**															
	1-9/16	25	208	4AF-QK		4.5	4GF-QK		.7					1.39 35.4	1.86 47.2	1.18 30		
40	1-5/8	26	**F**															
	1-1/2	24	85	4AG	4.25 108	4.5	4GG	4.74 120.4	.8	4.12 104.8	5.25 133.4	5.83 148.0	1/2	.76 19.5	1.24 31.8	.62 15.9	.63 15.9	2.75 70
	1-5/8	**26**	**3.346**															
	1-11/16	27	209															
45	**1-3/4**	**28**	**G**															
	1-11/16	27	90	4AH	4.56 115.8	4.5	4GH	5.06 128.5	.9	4.37 111.1	5.5 139.7	6.19 157.2	1/2	.77 19.6	1.24 31.8	.62 15.9	.63 15.9	3 76
	1-3/4	28	**3.543**															
	1-13/16	29	210															
	1-7/8	30	**H**															
	1-15/16	**31**																
50	**2**	**32**																
	1-15/16	31	100	4AI	5.06 128.5	8.5	4GI	5.87 149.1	1.5	5.12 130.2	6.5 165.1	7.25 184.2	5/8	.92 23.5	1.47 37.3	.69 17.5	.63 15.9	3.25 83
	2	32	**3.937**															
	2-1/16	33	211															
	2-1/8	34	**I**															
55	**2-3/16**	**35**																
	2-1/4	36																
	2-3/16	35	110	4AJ	5.62 142.7	11.2	4GJ	6.56 166.6	2.0	5.62 142.9	7 177.8	7.96 202.8	5/8	1.07 27.1	1.66 42.1	.69 17.5	.63 15.9	3.4 86
	2-1/4	**36**	**4.331**															
	2-5/16	37	212															
60	2-3/8	38	**J**															
	2-7/16	**39**																
	2-7/16	39	125	4AK	6.44 163.6	12.2	4GK	6.94 176.3	2.1	5.87 149.2	7.25 184.2	8.31 211	5/8	1.25 31.8	1.86 47.6	.75 19.1	.75 19.1	3.8 96
	2-1/2	40	**4.921**															
	2-5/8	42	214															
	2-11/16	43	**K**															
70	**2-3/4**	**44**																
	2-11/16	43	130	4AL	6.5 165.1	14.7	4GL	6.94 176.3	2.6	6 152.4	7.62 193.7	8.49 215.6	3/4	1.38 35.2	1.98 50.8	1 25.4	.75 19.1	4.13 105
	2-3/4	44	**5.118**															
	2-13/16	45	215															
	2-7/8	46	**L**															
75	**2-15/16**	**47**																
	3	**48**																
	2-3/4	44	140	4AM	6.5 165.1	14.6	4GM	6.94 176.3	2.5	6 152.4	7.62 193.7	8.49 215.6	3/4	1.38 35.7	1.98 50.8	1 25.4	.75 19.1	4.5 114.3
	2-7/8	46	**5.511**															
	2-15/16	47	216															
80	3	48	**M**															
	3-1/8	50																
	3-3/16	51																
	2-3/4	44	160	4AO	7.75 196.9	15.0	--	--	--	6.75 171.4	8.37 212.6	9.55 242.6	3/4	1.25 31.8	1.98 50.8	1 25.4	.75 19.1	4.1 104.1
	2-15/16	47	**6.299**															
	3-1/4	52	218															
	3-7/16	55	**O**															
90	3-1/2	56																

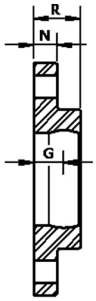
Small Pattern 4-Bolt

Polymer or Stainless “4^-01” Series 4-Bolt Flange Housing

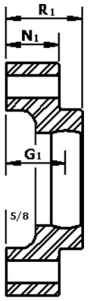
Sample p/n 4AC-01

Sample p/n 4GC-01-QK





Standard



QuiKlean®

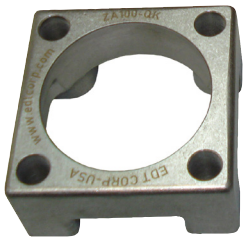
*QuiKlean® adds .625” (5/8”) standoff & LTB

x = Shaft Size				Stainless (SS)		Polymer (KG)		W	V	P	T	Q	G*	R	N	DoubleLock® Sleeve	
													G_1*	R_1*	N_1*	F	K
mm	in	16ths	mm∅ **Inch**∅ Ring **Group**	Housing p/n	Wt. in lbs.	Housing p/n	Wt. in lbs.	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm	in mm	in mm	in mm
	3/4	12	52	4AC-01	1	4GC-01	.2	2.25 57.15	3.13 79.4	5.06 128.6	3/8	2.75 70	.66 17.7	.99 25.1	.25 6.4	.50 12.7	1.75 44
	13/16	13	**2.047**														
	7/8	14	205														
25	15/16	15	**C**	4AC-01-QK		4GC-01-QK	.3						1.29 32.8	1.62 41.1	.88 22.4		
	1	**16**															

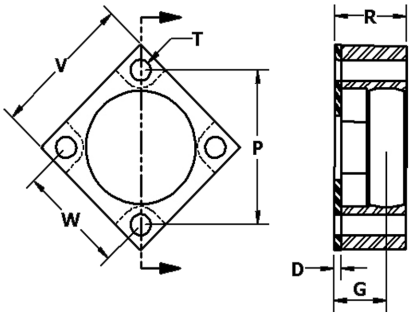
“Breader Bearing”

Stainless “ZA100” QuiKlean® housing is exclusive to EDT

Specially designed to retrofit into most popular breading equipment



Sample p/n ZA100-QK



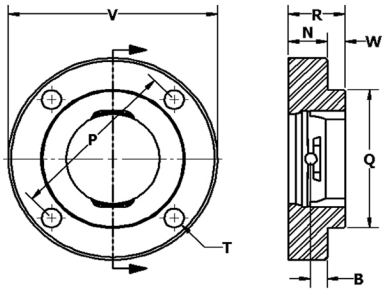
x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	Stainless (SS)		W	V	P	T	G	R	D
mm	in	16ths		Housing p/n	Wt. in lbs.	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm
25	3/4	12	52	ZA100-QK	.6	1.87	2.5	2.65	5/16	.93	1.28	.13
	1	16	**2.047** 205 **C**									

Piloted 4-Bolt Flange

Polymer or Stainless “24” Series Piloted 4-Bolt Housing

Sample p/n 24AE

Sample p/n 24GE



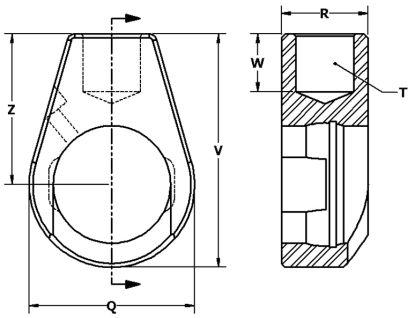
x = Shaft Size			mm∅ **Inch∅** Ring **Group**	**15.4 Stainless (SS)**		**Polymer (KG)**		P	V	W	R	N	B	Q	T	DoubleLock® Sleeve	
mm	in	16ths		Housing p/n	Wt. in lbs.	Housing p/n	Wt. in lbs.	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Bolt Size	F in mm	K in mm
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	40 **1.575** 203 **A**	--		--		--	--	--	--	--	--	--	--	--	--
12 15 17 20	**1/2** 9/16 **5/8** 11/16 **3/4**	**8** 9 **10** 11 **12**	47 **1.850** 204 **B**	--		--		--	--	--	--	--	--	--	--	--	--
25	3/4 13/16 7/8 15/16 **1**	12 13 14 15 **16**	52 **2.047** 205 **C**	24AC	2.5	24GC	.6	3.63 92.1	4.38 111.1	.38 9.5	1.19 30.1	.88 22.2	11.34 8.7	3 76.2	3/8	.50 12.7	1.75 44
30	1 1-1/16 1-1/8 **1-3/16** 1-1/4	16 17 18 **19** 20	62 **2.441** 206 **D**	24AD		24GD	.6	3.63 92.1	4.38 111.1	.38 9.5	1.25 31.7	.88 22.2	.34 8.7	3 76.2	3/8	.50 12.7	2.0 50
35	1-3/16 **1-1/4** 1-5/16 1-3/8 1-7/16	19 **20** 21 22 23	72 **2.835** 207 **E**	24AE	3.5	24GE	.7	4.13 104.8	5 127.0	.38 9.5	1.25 31.7	.88 22.2	.34 8.7	3.38 85.7	7/16	.50 12.7	2.25 57
40	1-7/16 **1-1/2** 1-9/16 1-5/8	23 **24** 25 26	80 **3.150** 208 **F**	24AF	3.6	24GF	.8	4.38 111.1	5.25 133.4	.44 11.1	1.44 36.5	.88 22.2	.34 8.7	3.63 92.1	7/16	.50 12.7	2.38 60
45	1-1/2 **1-5/8** 1-11/16 **1-3/4**	24 **26** 27 **28**	85 **3.346** 209 **G**	24AG ◆ 24AG/DSC	3.2 5.0	24GG ◆ 24GG/DSC	.7 .7	4.38 111.1 4.75 120.65	5.25 133.4 5-3/4 146.1	.44 11.1	1.44 36.5	.88 22.2	.34 8.7	3.63 92.1 4 101.6	1/2 1/2	.63 15.9	2.75 70
50	1-11/16 1-3/4 1-13/16 1-7/8 **1-15/16** **2**	27 28 29 30 **31** **32**	90 **3.543** 210 **H**	24AH	5.5	24GH	.8	5.13 130.2	6.13 155.6	.63 15.9	1.50 38.1	.88 22.2	.23 6.0	4.25 108.0	1/2	.63 15.9	3.0 76
55	1-15/16 2 2-1/16 2-1/8 **2-3/16** 2-1/4	31 32 33 34 **35** 36	100 **3.937** 211 **I**	24AI	5.6	24GI	.85	5.38 136.5	6.38 161.9	.63 15.9	1.50 38.1	.88 22.2	.19 4.7	4.25 114.3	1/2	.63 15.9	3.25 83
60	2-3/16 **2-1/4** 2-5/16 2-3/8 **2-7/16**	35 **36** 37 38 **39**	110 **4.331** 212 **J**	24AJ	8.2	24GJ	1.2	6 152.4	7.13 180.9	.88 22.2	1.88 47.6	1 25.4	.19 4.7	5 127	9/16	.63 15.9	3.4 86
70	2-7/16 2-1/2 2-5/8 2-11/16 **2-3/4**	39 40 42 43 **44**	125 **4.921** 214 **K**	24AK	9.0	24GK	1.0	6.5 165.1	7.63 193.7	1 25.4	2 50.8	1 25.4	.11 2.7	5.50 132.1	9/16	.75 19.1	3.8 96
75	2-11/16 2-3/4 2-13/16 2-7/8 **2-15/16** **3**	43 44 45 46 **47** **48**	130 **5.118** 215 **L**	24AL	15.6	24GL	2.4	7.5 190.5	8.75 222.2	1.13 28.6	2.13 54.0	1 25.4	.13 3.1	6.38 161.9	11/16	.75 19.1	4.13 105
80	2-3/4 2-7/8 2-15/16 3 3-1/8 3-3/16	44 46 47 48 50 51	140 **5.511** 216 **M**	24AM	15.4	24GM	2.0	7.5 190.5	8.75 222.2	1.13 28.6	2.13 54.0	1 25.4	.13 3.1	6.38 161.9	11/16	.75 19.1	4.45 113

◆ 24GG/DSC is a specific match to the DODGE SC FC- bearing

Hanger

Stainless “8” Series Housing

Sample p/n 8AE-01



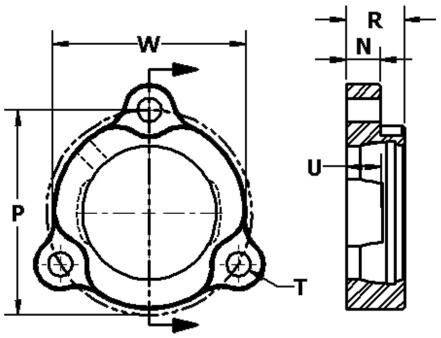
x = Shaft Size			mm∅ **Inch∅** Ring **Group**	T	**Stainless (SS)**		Z	V	Q	R	W	DoubleLock® Sleeve	
												F	K
mm	in	16ths		Thread	Housing p/n	Wt. in lbs.	in mm	in mm	in mm	in mm	in mm	in mm	in mm
12			40	1/2 - 14 NPSM	8AA								
	1/2	8	**1.575**	5/8 - 11 UNC	8AA-01								
15	9/16	9	203	M12 x 1.75	8AA-03B	.8	1.88	2..94	2.13	1.19	.63	0.44	1.49
	5/8	10	**A**	5/8 - 18	8AA-01A		47.6	74.6	54.0	30.2	15.9	11.2	38
17	11/16	11											
12	**1/2**	**8**											
	9/16	9	47	3/4 - 14 NPSM	8AB								
15	**5/8**	**10**	**1.850**	5/8 - 11 UNC	8AB-03	1.8	2.5	3.75	2.5	1.44	.75	.50	1.63
17	11/16	11	204	M16-2	8AB-03B		63.5	95.2	63.5	36.5	19.1	12.7	41
20	**3/4**	**12**	**B**										
	3/4	12											
	13/16	13	52										
	7/8	14	**2.047**	3/4 - 14 NPSM	8AC	1.9	2.5	3.88	2.75	1.44	.75	.50	1.75
25	15/16	15	205				63.5	98.4	69.9	36.5	19.1	12.7	44
	1	**16**	**C**										
	1	16											
	1-1/16	17	62	3/4 - 14 NPSM	8AD								
	1-1/8	18	**2.441**	5/8 - 11 UNC	8AD-02		2.5	4.06	3.13	1.44	.75	.50	2.0
30	**1-3/16**	**19**	206	M16-2	8AD-03	1.9	63.5	103.2	79.4	36.5	19.1	12.7	50
	1-1/4	20	**D**										
	1-3/16	19											
	1-1/4	**20**	72	3/4 - 14 NPSM	8AE								
	1-5/16	21	**2.835**	1 - 8 UNC	8AE-01		2.75	4.56	3.63	1.44	.75	.50	2.25
35	1-3/8	22	207	5/8 - 11 NPSM	8AE-02	2.5	69.9	115.9	92.1	36.5	19.1	12.7	57
	1-7/16	23	**E**										
	1-7/16	23											
	1-1/2	**24**	80	3/4 - 14 NPSM	8AF								
	1-9/16	25	**3.150**	3/4 - 10 NPSM	8AF-01	2.2	2.88	4.75	3.75	1.44	.75	.50	2.38
40	1-5/8	26	208				73.0	120.7	95.2	36.5	19.1	12.7	60
			F										
	1-1/2	24											
	1-5/8	**26**	85										
	1-11/16	27	**3.346**	1 - 11 1/2 NPSM	8AG	3.5	3.25	5.38	4.25	1.88	.81	.63	2.75
45	**1-3/4**	**28**	209				82.6	136.5	108.0	47.6	20.6	15.9	70
			G										
	1-11/16	27											
	1-3/4	28	90										
	1-13/16	29	**3.543**	1 - 11 1/4 NPSM	8AH								
	1-7/8	30	210	1 - 8 UNC	8AH-01	4.4	3.25	5.5	4.5	1.88	.81	.63	3.0
50	**1-15/16**	**31**	**H**				82.6	139.7	114.3	47.6	20.6	15.9	76
	2	**32**											
	1-15/16	31											
	2	32	100										
	2-1/16	33	**3.937**	1 1/4 - 11 1/4 NPSM	8AI								
	2-1/8	34	211	1 1/4 - 7 UNC	8AI-01	5.6	3.44	5.94	5	2	1	.63	3.25
55	**2-3/16**	**35**	**I**				87.3	150.8	127.0	50.8	25.4	15.9	83
	2-1/4	36											
	2-3/16	35											
	2-1/4	**36**	110										
	2-5/16	37	**4.331**	1 1/4-11 1/2 NPSM	8AJ								
	2-3/8	38	212	1 1/2 - 6 UNC	8AJ-01	6.1	4	6.81	5.63	2	1.13	.63	3.4
60	**2-7/16**	**39**	**J**				101.6	173.0	142.9	50.8	28.6	15.9	86
	2-7/16	39											
	2-1/2	40	125										
	2-5/8	42	**4.921**	1 1/2 - 11 1/2 NPSM	8AK	6.9	4.63	7.88	6.5	2	1.25	.75	3.8
70	2-11/16	43	214				117.5	200.0	165.1	50.8	31.8	19.1	96
	2-3/4	**44**	**K**										
	2-11/16	43											
	2-3/4	44	130										
	2-13/16	45	**5.118**	1 1/2 - 11 1/2 NPSM	8AL	7.2	4.63	7.88	6.5	2	1.25	.75	4.13
	2-7/8	46	215				117.5	200.0	165.1	50.8	31.8	19.1	105
75	**2-15/16**	**47**	**L**										
	3	**48**											
	2-3/4	44											
	2-7/8	46	140										
	2-15/16	47	**5.511**	1 1/2 - 11 1/2 NPSM	8AM	7.8	4.88	8.31	6.88	2.22	1.25	.75	4.1
80	3	48	216				123.9	211.1	174.7	56.4	31.8	19.1	104.1
	3-1/8	50	**M**										
	3-3/16	51											

Round 3-Bolt Flange

Polymer or Stainless “22” Series Round 3-Bolt Housing

Sample p/n 22AE

Sample p/n 22GE



x = Shaft Size				Stainless (SS)			Polymer (KG)			P	W	U	R	T	DoubleLock® Sleeve	
				Housing p/n	N	Wt. in lbs.	Housing p/n	N	Wt. in lbs.						F	K
mm	in	16ths	mm∅ **Inch∅** Ring **Group**		in mm			in mm		in mm	in mm	in mm	in mm	Bolt Size	in mm	in mm
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	40 **1.575** 203 **A**	22AA 22AA-01	.38 9.5	.5 .5	22GA 22GA-01	.38 9.5	.1	2.5 63.5 2.39 60.7	2.4	.43 9.5	.69 17.5	1/4	.44 11.2	1.49 38
12 15 17 20	**1/2** 9/16 **5/8** 11/16 **3/4**	**8** 9 **10** 11 **12**	47 **1.850** 204 **B**	22AB	.42 12.7	.6	22GB	.42 12.7	.1	2.81 71.4	2.5	.45 9.5	.78 19.8	5/16	.50 1.27	1.63 41
25	3/4 13/16 7/8 15/16 **1**	12 13 14 15 **16**	52 **2.047** 205 **C**	22AC	.42 12.7	.6	22GC	.50 12.7	.12	3 76.2	2.8	.53 9.5	.84 21.4	5/16	.50 1.27	1.75 44
30	1 1-1/16 1-1/8 **1-3/16** 1-1/4	16 17 18 **19** 20	62 **2.441** 206 **D**	22AD	.58 11.9	1.1	22GD	.58 13.9	.2	3.56 90.5	3.4	.60 11.9	.98 22.2	3/8	.50 1.27	2 50
35	1-3/16 **1-1/4** 1-5/16 1-3/8 1-7/16	19 **20** 21 22 23	72 **2.835** 207 **E**	22AE	.65 16.7	1.7	22GE	.65 14.3	.23	3.94 100.0	3.7	.70 12.7	1.11 23.8	3/8	.50 12.7	2.25 57
40	1-7/16 **1-1/2** 1-9/16 1-5/8	23 **22** 25 26	80 **3.150** 208 **F**	22AF	.65 16.7	1.7	--	--	--	4.64 119.1	4.2	.70 12.7	1.12 28.6	1/2	.50 12.7	2.38 60
45	1-1/2 **1-5/8** 1-11/16 **1-3/4**	24 **26** 27 **28**	85 **3.346** 209 **G**	22AG	.65 16.7	2.0	--	--	--	4.75 120.7	4.5	.70 12.7	1.12 1.12	1/2	.63 15.9	2.75 70
50	1-11/16 1-3/4 1-13/16 1-7/8 **1-15/16** **2**	27 28 29 30 **31** **32**	90 **3.543** 210 **H**	22AH	.63 15.9	2.17	--	--	--	5 127.0	4.6	.70 12.7	1.12 28.6	1/2	.63 15.9	3.0 76

Round bolt holes are standard.
*Square bolt holes are available.
If required, please call for
price and lead time.

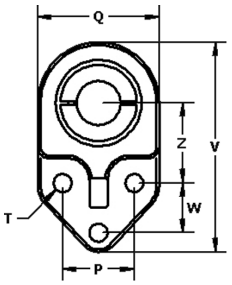
3-Bolt Extension Flange

Polymer or Stainless “3” Series 3-Bolt Extension Housing

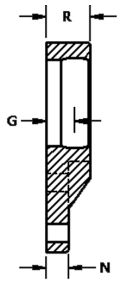
Sample p/n 3AE

Sample p/n 3GE-QK

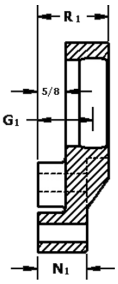
*QuiKlean® adds .625” (5/8”) standoff & LTB



Poly-Round®



Standard



QuiKlean®

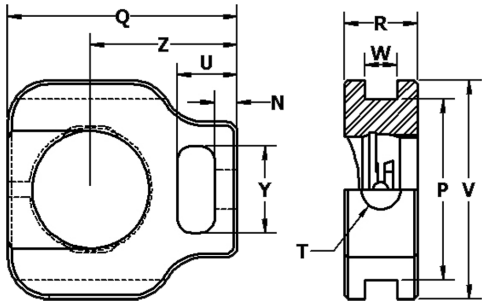
x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	Stainless (SS)						Polymer (KG)						Z	W	Z+W	P	T	R	DoubleLock® Sleeve	
				Housing p/n	V	Q	N N_1*	G G_1*	Wt. in lbs.	Housing p/n	V	Q	N N_1*	G G_1*	Wt. in lbs.						R_1*	F	K
mm	in	16^{ths}			in mm	in mm	in mm	in mm			in mm	in mm	in mm	in mm		in mm	in mm	in mm	in mm	Bolt size	in mm	in mm	in mm
12 15 17	1/2 9/16 5/8 11/16	8 9 10 11	40 **1.575** 203 **A**	3AA	3.5 88.9	2 50.8	.25 6.4	.53 13.5	.6	3GA	3.65 92.9	2.19 55.6	.44 11.1	.53 13.4	.1	1.38 34.9	.81 20.6	2.19 55.6	1.25 31.8	5/16	.85 21.5	0.44 11.2	1.49 38
										3GA-QK			1.06 27.0	1.15 29.3	--						1.48 37.4		
12 15 17 20	**1/2** 9/16 **5/8** 11/16 **3/4**	**8** 9 **10** 11 **12**	47 **1.850** 204 **B**	3AB	4.25 108.0	2.5 63.5	.31 7.9	.59 14.9	1.1	3GB	4.34 110.3	2.56 65.1	.44 11.1	.59 15	.2	1.68 42.9	.89 22.2	2.56 65	1.5 38.1	3/8	.95 24.1	.50 12.7	1.63 41
										3GB-QK			1.06 27.0	1.22 31.0	.2						1.58 40.0		
25	3/4 13/16 7/8 15/16 **1**	12 13 14 15 **16**	52 **2.047** 205 **C**	3AC	4.75 120.7	2.75 69.9	.38 9.5	.64 16.3	1.4	3GC	4.75 120.7	2.75 69.9	.50 12.7	.63 16	.3	1.81 46.1	1.12 28.6	2.94 74.6	1.62 41.3	3/8	1 25.4	.50 12.7	1.75 44
										3GC-QK			1.12 28.6	1.26 32.0	.3						1.62 41.1		
30	1 1-1/16 1-1/8 **1-3/16** 1-1/4	16 17 18 **19** 20	62 **2.441** 206 **D**	3AD	5.38 136.5	3.12 79.4	.38 9.5	.66 16.7	1.8	3GD	5.44 138.1	3.25 82.6	.50 12.7	.66 16.7	.4	2.06 52.4	1.25 31.8	3.31 84	1.84 47.6	3/8	1.06 27.1	.50 12.7	2.0 50
										3GD-QK			1.12 28.6	1.28 20	.5						1.68 43.0		
35	1-3/16 **1-1/4** 1-5/16 1-3/8 1-7/16	19 **20** 21 22 23	72 **2.835** 207 **E**	3AE	6 152.4	3.63 92.1	.50 12.7	.79 20	3.0	3GE	6.19 157.2	3.56 96.9	.56 14.3	.79 20	.5	2.37 60.3	1.25 31.8	1.84 92	2 50.8	1/2	1.22 31.1	.50 12.7	2.25 57
				3AE-QK			1.13 28.6	1.42 35.9	3.2	3GE-QK			1.18 30.2	1.42 35.4	.6						1.84 46.9		
40	1-7/16 **1-1/2** 1-9/16 1-5/8	23 **24** 25 26	80 **3.150** 208 **F**	3AF	6.5 165.1	4 101.6	.50 12.7	.77 19.6	3.2	3GF	6.67 170.7	4.25 108.0	.56 14.3	.77 19.5	.6	2.56 65.1	1.37 34.9	3.94 100	2.25 57.2	1/2	1.28 31.8	.50 12.7	2.38 60
										3GF-QK			1.19 30.2	1.39 35.4	.7						1.86 47.4		
45	1-1/2 **1-5/8** 1-11/16 **1-3/4**	24 **26** 27 **28**	85 **3.346** 209 **G**	3AG	6.94 176.2	4.25 108.0	.50 12.7	.76 19.8	3.6	--	--	--	--	--	--	2.75 69.9	1.5 38.1	4.25 104.8	2.5 63.5	1/2	1.24 31.8	.63 15.9	2.75 70
50	1-11/16 1-3/4 1-13/16 1-7/8 1-15/16 2	27 28 29 30 **31** **32**	90 **3.543** 210 **H**	3AH	7.41 188.1	4.56 115.9	.50 12.7	.77 19.4	4.4	3GH	7.62 193.7	4.87 123.8	.62 15.9	.77 19.6	.8	2.94 74.6	1.62 41.3	4.56 115.8	2.75 69.9	1/2	1.24 31.8	.63 15.9	3.0 76
55	1-15/16 2 2-1/16 2-1/8 **2-3/16** 2-1/4	31 32 33 34 **35** 36	100 **3.937** 211 **I**	3AI	8.04 205.6	4.95 128.6	.63 15.9	.92 23.4	6.4	3GI	8.29 210.6	5.37 136.5	.69 17.5	.92 23.5	1.1	3.12 79.4	1.75 44.5	4.87 123.8	3 76.2	5/8	1.47 37.3	.63 15.9	3.25 83
60	2-3/16 **2-1/4** 2-5/16 2-3/8 **2-7/16**	35 **36** 37 38 **39**	110 **4.331** 212 **J**	3AJ	8.88 225.4	5.63 142.9	.63 15.9	1.07 27.2	8.7	3GJ	9.19 233.4	6 152.4	.69 17.5	1.07 27.1	1.8	3.37 85.7	2 50.8	5.37 136.5	3.5 88.9	5/8	1.66 42.1	.63 15.9	3.4 86
70	2-7/16 2-1/2 2-5/8 2-11/16 **2-3/4**	39 40 42 43 **44**	125 **4.921** 214 **K**	3AK	10.03 254.8	6.47 163.5	.63 15.9	1.25 31.8	12.6	--	--	--	--	--	--	3.75 95.3	2.37 60.3	6.12 155.5	4.25 108.0	5/8	1.87 47.6	.75 19.1	3.8 96
75	2-11/16 2-3/4 2-13/16 2-7/8 2-15/16 3	43 44 45 46 **47** **48**	130 **5.118** 215 **L**	3AL	10.69 271.5	6.5 165.1	.75 19.1	1.39 35.2	13.7	--	--	--	--	--	--	4 101.6	2.62 66.7	6.62 168.3	4.25 108.0	3/4	2 50.8	.75 19.1	4.13 105

Wide Slot Take-Up

Polymer or Stainless “7” Series Wide Slot Take-Up Housing

Sample p/n 7AE

Sample p/n 7GC



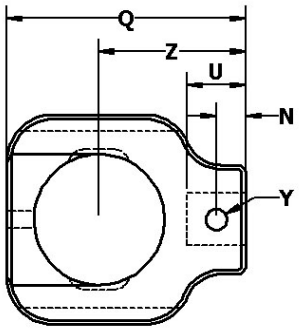
x = Shaft Size			mm∅ **Inch**∅ Ring **Group**	Stainless (SS)			Polymer (KG)			P	V	Z	Y		N	W	U	R	T	DoubleLock® Sleeve	
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n	Q in mm	Wt. in lbs.	in mm	in mm	in mm	Nut Size	in mm	in mm	in mm	in mm	in mm	Thread Size	F in mm	K in mm
mm	in	16ths																			
12			40																		
15	1/2	8	**1.575**	7AA	3.13	1.4	--	--	--	2.5	3	2	1/2 - 13	1.25	.31	.41	.81	1	1/2 - 13	.44	1.49
	9/16	9			79.5					63.5	76.2	50.8		31.8	7.9	10.3	20.6	25.4		11.2	38
17	5/8	10	203																		
	11/16	11	**A**																		
12	**1/2**	**8**																			
	9/16	9	47																		
15	**5/8**	**10**	**1.850**	7AB	3.69	2.8	7GB	3.69	.5	3	3.63	2.38	5/8 - 11	1.44	.44	.53	1.06	1.38	5/8 - 11	.50	1.63
	11/16	11			93.7			93.7		76.2	92.1	60.3		36.5	11.1	13.5	27.0	34.9		12.7	41
17			204																		
20	**3/4**	**12**	**B**																		
	3/4	12	52																		
	13/16	13	**2.047**	7AC	3.81	2.6	7GC	3.81	.5	3	3.63	2.44	5/8 - 11	1.44	.44	.53	1.06	1.38	5/8 - 11	.50	1.75
	7/8	14			96.8			96.8		76.2	92.1	61.9		36.5	11.1	13..5	27.0	34.9		12.7	44
25	15/16	15	205																		
	1	**16**	**C**																		
	1	16																			
	1-1/16	17	62																		
	1-1/8	18	**2.441**	7AD	4.38	4.0	7GD	4.38	.8	3.5	4.13	2.75	3/4 - 10	1.63	.38	.53	1.16	1.63	3/4 - 10	.50	2.0
30	**1-3/16**	**19**	206		111.1			111.1		88.9	104.8	69.9		41.3	9.5	13.5	29.4	41.3		12.7	50
	1-1/4	20	**D**																		
	1-3/16	19																			
	1-1/4	**20**	72																		
	1-5/16	21	**2.835**	7AE	4.81	4.1	7GE	4.81	.7	3.5	4.13	3	3/4 - 10	1.63	.38	.53	1.16	1.63	3/4 - 10	.50	2.25
	1-3/8	22	207		122.2			122.2		88.9	104.8	76.2		41.3	9.5	13.5	29.4	41.3		12.7	57
35	1-7/16	23	**E**																		
	1-7/16	23	80																		
	1-1/2	**24**	**3.150**	7AF	5.5	6.3	7GF	5.5	1.1	4	4.5	3.44	1 - 8	1.94	.56	.69	1.5	1.94	1 - 8	.50	2.38
	1-9/16	25	208		139.7			139.7		101.6	114.3	87.3		49.2	14.3	17.5	38.1	49.2		12.7	60
40	1-5/8	26	**F**																		
	1-1/2	24	85																		
	1-5/8	**26**	**3.346**	7AG	5.69	6.4	7GG	5.69	1.2	4	4.63	3.5	1 - 8	1.94	.56	.69	1.5	1.94	1 - 8	.63	2.75
	1-11/16	27	209		144.5			144.5		101.6	117.5	88.9		49.2	14.3	17.5	38.1	49.2		15.9	70
45	**1-3/4**	**28**	**G**																		
	1-11/16	27																			
	1-3/4	28	90																		
	1-13/16	29	**3.543**	7AH	5.81	6.7	7GH	5.81	1.1	4	4.75	3.56	1	1.94	.56	.69	1.5	1.94	1 - 8	.63	3.0
	1-7/8	30	210		147.6			147.6		101.6	120.7	90.5		49.2	14.3	17.5	38.1	49.2		15.9	76
50	**1-15/16**	**31**	**H**																		
	2	**32**																			
	1-15/16	31																			
	2	32	100																		
	2-1/16	33	**3.937**	7AI	7.5	10.8	7GI	7.5	2.6	5.13	5.75	4.69	1 1/4 - 7	2.5	.72	1.06	1.97	2.5	1 1/4 - 7	.63	3.25
	2-1/8	34	211		190.5			190.5		130.2	149.2	119.1		63.5	18.3	27.0	50.0	63.5		15.9	83
55	**2-3/16**	**35**	**I**																		
	2-1/4	36																			
	2-3/16	35	110																		
	2-1/4	**36**	**4.331**	7AJ	7.5	13.0	7GJ	7.5	2.4	5.13	5.88	4.69	1 1/4 - 7	2.5	.72	1.06	1.97	2.5	1 1/4 - 7	.63	3.4
	2-5/16	37	212		190.5			190.5		130.2	149.2	119.1		63.5	18.3	27.0	50.0	63.5		15.9	86
60	2-3/8	38	**J**																		
	2-7/16	**39**																			
	2-7/16	39	125																		
	2-1/2	40	**4.921**	7AK	8.88	14.0	--	--		5.94	6.69	5.38	1 1/2 - 6	2.88	.81	1.06	2.31	2.75	1 1/2 - 6	.75	3.8
	2-5/8	42	214		225.4					150.8	169.9	136.5		73.0	20.6	27.0	58.7	69.9		19.1	96
70	2-11/16	43	**K**																		
	2-3/4	**44**																			
	2-11/16	43																			
	2-3/4	44	130																		
	2-13/16	45	**5.118**	7AL	9.13	15.0	7GL	9.13	3.6	5.94	6.69	5.5	1 1/2 - 6	2.88	.81	1.06	2.31	2.75	1 1/2 - 6	.75	4.10
	2-7/8	46	215		231.8			231.8		150.8	169.9	139.7		73.0	20.6	27.0	58.7	69.9		19.1	104.1
75	**2-15/16**	**47**	**L**																		
	3	**48**																			

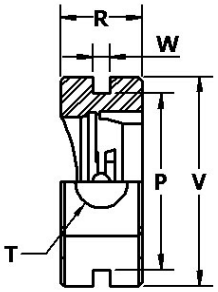
Narrow Slot Take-Up Housing

Polymer or Stainless “5” Series Narrow Slot Take-Up Housing

Sample p/n 5AE

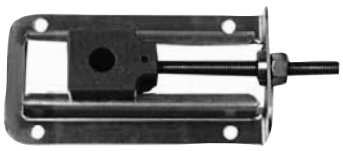
Sample p/n 5GE





x = Shaft Size			mm∅ **Inch∅** Ring **Group**	Stainless (SS)			Polymer (KG)			P	V	Z	Y∅	N	W	R	U	T	DoubleLock® Sleeve	
				Housing p/n	Q in mm	Wt. in lbs.	Housing p/n	Q in mm	Wt. in lbs.	in mm	in mm	in mm	Roll Pin	in mm	in	in mm	in mm	Thread Size	F in mm	K in mm
mm	in	16ths																		
12			40	5AA	2.69 68.3	.8	--	--	--	2 50.8	2.50 63.5	1.69 42.9	1/4 x 7/8	.31 7.9	1/4	.88 22.2	.63 15.9	1/2 - 13	.44 11.2	1.35 34.3
15	1/2	8	**1.575**																	
	9/16	9	203																	
	5/8	10	**A**																	
17	11/16	11																		
12	**1/2**	**8**	47	5AB	3.44 87.3	2.0	5GB	3.44 87.3	.4	2.63 66.7	3.13 79.4	2.19 55.5	5/16 x 1 1/4	.44 11.1	1/4	1.25 31.8	.88 22.2	3/4 - 10	.50 12.7	1.63 41
	9/16	9	**1.850**																	
15	**5/8**	**10**	204																	
17	11/16	11	**B**																	
20	**3/4**	**12**																		
	3/4	12	52	5AC	3.56 90.5	2.0	5GC	3.56 90.5	.3	2.63 66.7	3.13 79.4	2.19 55.5	5/16 x 1 1/4	.44 11.1	1/47	1.25 31.8	.88 22.2	3/4 - 10	.50 12.7	1.75 44
	13/16	13	**2.047**																	
	7/8	14	205																	
25	15/16	15	**C**																	
	1	**16**																		
	1	16	62	5AD	4.31 109.5	3.5	5GD	4.31 109.5	.5	3.50 88.9	4.13 104.8	2.69 68.3	5/16 x 1 1/4	.50 12.7	1/4	1.25 31.8	1 25.4	3/4 - 10	.50 12.7	2.0 50
	1-1/16	17	**2.441**																	
	1-1/8	18	206																	
30	**1-3/16**	**19**	**D**																	
	1-1/4	20																		
	1-3/16	19	72	5AE	4.50 114.3	3.2	5GE	4.50 114.3	.6	3.50 88.9	4.13 104.8	2.69 68.3	5/16 x 1 1/4	.50 12.7	1/4	1.25 31.8	1 25.4	3/4 - 10	.50 12.7	2.25 57
	1-1/4	**20**	**2.835**																	
	1-5/16	21	207																	
35	1-3/8	22	**E**																	
	1-7/16	23																		
	1-7/16	23	80	5AF	5.38 136.5	5.6	5GF	5.38 136.5	1	4 101.6	4.75 120.7	3.25 82.6	3/8 x 1 1/2	.66 16.7	5/16	1.25 31.8	1.12 29.4	7/8 - 9	.50 12.7	2.38 60
	1-1/2	**24**	**3.150**																	
	1-9/16	25	208																	
40	1-5/8	26	**F**																	
	1-1/2	24	85	5AG	5.44 138.1	5.3	5GG	5.38 136.5	1	4 101.6	4.75 120.7	3.25 82.6	3/8 x 1 1/2	.66 16.7	5/16	1.25 31.8	1.16 29.4	7/8 - 9	.63 15.9	2.75 70
	1-5/8	**26**	**3.346**																	
	1-11/16	27	209																	
45	**1-3/4**	**28**	**G**																	
	1-11/16	27	90	5AH	5.5 139.7	5.2	5GH	5.5 139.7	1	4 101.6	4.75 120.7	3.25 82.6	3/8 x 1 1/2	.66 16.7	5/16	1.25 31.8	1.16 29.4	7/8 - 9	.63 15.9	3.0 76
	1-3/4	28	**3.543**																	
	1-13/16	29	210																	
	1-7/8	30	**H**																	
50	**1-15/16**	**31**																		
	2	**32**																		
	1-15/16	31	100	5AI	6.13 155.6	7.4	N/A	--	--	4.44 112.7	5.38 136.5	3.63 92.1	7/16 x 1 3/4	.69 17.5	5/16	1.75 44.5	1.28 32.5	1 - 8	.63 15.9	3.25 83
	2	32	**3.937**																	
	2-1/16	33	211																	
55	2-1/8	34	**I**																	
	2-3/16	**35**																		
	2-1/4	36																		
	2-3/16	35	110	5AJ	6.69 169.9	8.0	N/A	--	--	4.94 125.4	5.75 146.1	3.88 98.4	7/16 x 1 3/4	.69 17.5	5/16	1.75 44.5	1.28 32.5	1 - 8	.63 15.9	3.4 86
	2-1/4	**36**	**4.331**																	
	2-5/16	37	212																	
60	2-3/8	38	**J**																	
	2-7/16	**39**																		
	2-7/16	39	125	5AK	7.38 187.3	8.5	5GK	7.38 187.3	1.8	5.50 139.7	6.38 161.9	4.94 109.5	1/2 x 1 7/8	.75 19.1	3/8	1.88 47.6	1.50 38.1	1 1/4 - 7	.75 19.1	3.8 96
	2-1/2	40	**4.921**																	
	2-5/8	42	214																	
70	2-11/16	43	**K**																	
	2-3/4	**44**																		
	2-11/16	43	130	5AL	7.69 195.3	9.2	5GL	7.69 195.3	2.2	5.88 149.2	6.75 171.5	4.44 112.7	1/2 x 1 7/8	.75 19.1	3/8	1.88 47.6	1.50 38.1	1 1/4 - 7	.75 19.1	4.13 105
	2-3/4	44	**5.118**																	
	2-13/16	45	215																	
75	2-7/8	46	**L**																	
	2-15/16	**47**																		
	3	**48**																		

STAINLESS TAKE-UP FRAMES

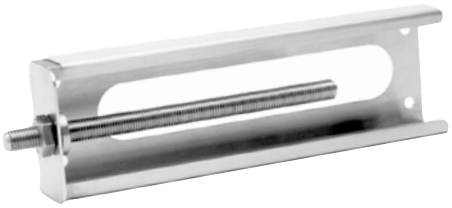


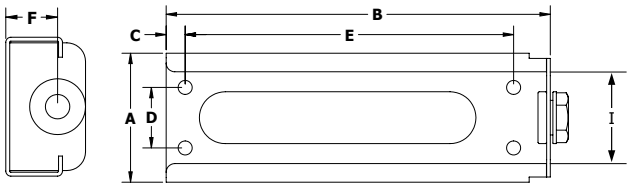
Weld-on frame **Bolt-on frames** **Mini bolt-on frame**

Bolt-on and weld-on stainless steel take-up frames: Non-corrosion with maximum cleanability

- 300-series stainless steel frame and hardware for maximum corrosion resistance
  - Wide- and narrow-slot bolt-on style
  - Narrow-slot weld-on style for highest level of sanitation
- Accepts all take-up bearings by EDT and other manufacturers
- Stocking inventory for 3" to 24" travel, shaft sizes from 5/8" to 2-7/16" and metric
- USDA/NSF acceptance - The most sanitary and easy to clean frames available

Narrow Slot Take-Up Frame: Bolt-on



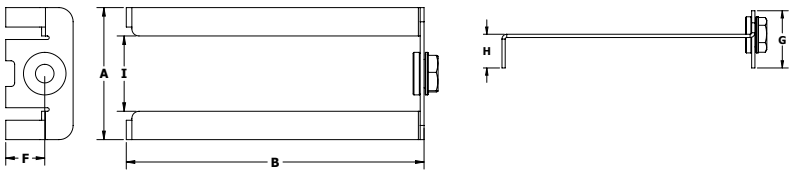


P/N		Wt	Frame Size in inches			Bolt Pattern for 3/8" bolts			Shaft ℄ Height	Thread Size	Track Width	Frame accepts these shaft sizes		
Size	Travel	lbs	I	A	B	C	D	E	F			Ring	Group	Shafts
TU5BC-	3 6 9 12	2.4 3.2 4.0 4.8	2-5/8	3-3/4	8 11 14 17	35/64	1-3/4	6-1/2 9-1/2 12-1/2 15-1/2	1-25/64	3/4-10	7/64	204 205	B C	1/2, 9/16, 5/8, 11/16, 3/4, 20mm 13/16, 7/8, 1, 25mm
TU5DE-	3 6 9 12 18	3.2 4.0 4.8 5.3	3-1/2	4-41/64	9 12 15 18 24	35/64	2-3/4	7-1/2 10-1/2 13-1/2 16-1/2 22-1/2	1-27/32	3/4-10	7/64	206 207	D E	1-1/16, 1-1/8, 1-3/16, 1-1/4, 30mm 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 35mm
TU5FGH-	3 6 9 12 18 24	4.0 5.0 6.6 7.8	4	5-1/4	10 13 16 19 25 31	35/64	2-3/4	8-1/2 11-1/2 14-1/2 17-1/2 23-1/2 *	1-63/64	7/8-9	7/64	208 209 110	F G H	1-7/16, 1-1/2, 1-9/16, 1-5/8, 40mm 1-1/2, 1-5/8, 1-11/16, 1-3/4, 45mm 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2, 50mm

* Please ask for details

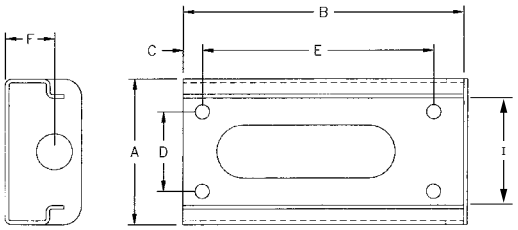
Find take-up bearings in our catalog:
Poly-Round®.....See section B
Ball bearing.....See section F
All-Round®.....See section D

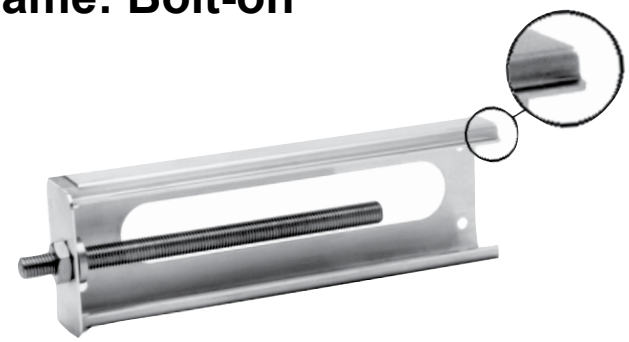
Narrow Slot Take-Up Frame: Weld-on



P/N		Wt	Frame Size in inches					Shaft ℄ Height	Thread Size	Track Width	Frame accepts these shaft sizes		
Size	Travel	lbs	I	A	B	G	H	F			Ring	Group	Shafts
TD5BC-	3 6	1.7 1.8	2-5/8	4-1/2	8 11 14	2-3/8	1.45	1-3/8	3/4-10	9/64	204 205	B C	1/2, 9/16, 5/8, 11/16, 3/4, 20mm 13/16, 7/8, 1, 25mm
TD5DE-	3 6 9 12	1.8 2.0 2.4	3-1/2	5-17/32	9 12 15 18	2-3/8	1.45	1-3/8	3/4-10	9/64	206 207	D E	1-1/16, 1-1/8, 1-3/16, 1-1/4, 30mm 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 35mm
TD5FGH-	9 12		4	6-9/32	15 18	2-3/8	1.45	1-3/8	7/8-9	9/64	208 209 110	F G H	1-7/16, 1-1/2, 1-9/16, 1-5/8, 40mm 1-1/2, 1-5/8, 1-11/16, 1-3/4, 45mm 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2, 50mm

Wide Slot Take-Up Frame: Bolt-on



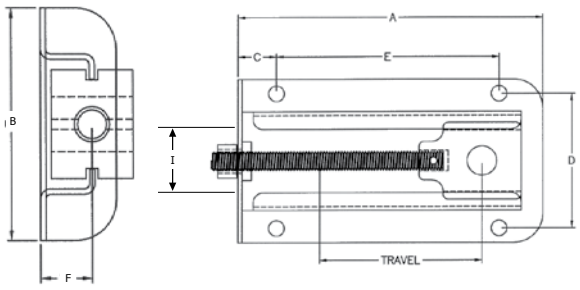


P/N		Wt	Frame Size in inches			Bolt Pattern			Shaft ℄ Height	Track Width	Thread size	Bolt size	Frame accepts these shaft sizes		
Size	Travel	lbs	I	A	B	C	D	E	F				Ring	Group	Shafts
TU7BC-	3 6 9 12	2.6 3.6 4.6 5.4	3	4-1/8	8 11 14 17	35/64	2-1/4	6-1/2 9-1/2 12-1/2 15-1/2	1-25/64	15/32	5/8-11	3/8	204 205	B C	1/2, 9/16, 5/8, 11/16, 3/4, 20mm 13/16, 7/8, 1, 25mm
TU7DE-	3 6 9 12 18	3.8 4.3 5.4 6.3	3-1/2	4-41/64	9 12 15 18 24	35/64	2-3/4	7-1/2 10-1/2 13-1/2 16-1/2 22-1/2	1-27/32	31/64	3/4-10	3/8	206 207	D E	1-1/16, 1-1/8, 1-3/16, 1-1/4, 30mm 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 35mm
TU7FGH-	3 6 9 12 18 24	4.5 6.2 7.6 9.8	4	5-1/4	10 13 16 19 25	35/64	2-3/4	8-1/2 11-1/2 14-1/2 17-1/2 23-1/2	1-63/64	5/8	1-8	3/8	208 209 210	F G H	1-7/16, 1-1/2, 1-9/16, 1-5/8, 40mm 1-1/2, 1-5/8, 1-11/16, 1-3/4, 45mm 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2, 50mm
TU7IJ-	9	9	5-3/32	6-3/8	18.25	35/64	3-3/4	16-7/16	2-3/8	1	1-1/4	5/8	211 212	I J	2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4 2-13/16, 2-7/8, 2-15/16, 3
TU7KL-	18		6	8-1/2	29	1-1/2	6-1/8	*	2-9/32	1	1-1/2-6	5/8	214 215	K L	2-7/16, 2-1/2, 2-5/8, 2-11/16, 2-3/4 2-13/16, 2-7/8, 2-15/16, 3

* Please ask for details

Find take-up bearings in our catalog:
Poly-Round®.....See section B
Ball bearing.....See section F
All-Round®.....See section D

Mini Narrow Slot Take-Up Frame: Bolt-on



P/N		Wt	Frame Size in inches			Bolt Pattern for 3/8" bolts			Shaft ℄ Height	Track Width	Frame accepts these shaft sizes
P/N	Travel	lbs	I	A	B	C	D	E	F		
EDTU	4	2.0	1-5/8	7-7/8	4-1/4	1	3-1/2	5-3/4	61/64	7/64	5/8, 3/4, 7/8, 15/16, 1, 25mm

Choose the best bearing for the conveyor

Use Poly-Round® Solution® on:

- **Modular plastic belt**
- **Wire belt conveyors**

See Section B (Amber),
pages B10 & B-11,
for Poly-Round® Solution® take-ups

GENERAL WIRE BELT CONVEYORS

1 Year GUARANTEED Application

NA5G _ 7- _

Sprocketed drive

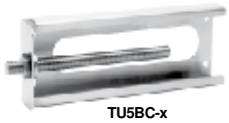
	Original Bearing	EDT Bearing
Bearing	Cast iron housing with carbon steel ball bearing	Polymer housing with Poly-Round® bearings
Failure	Caustic washdown causes cast iron housings and steel ball bearings to rust. Possible contamination causes compliance downtime.	EDT polymer housing is not affected by water, wash down or chemicals. The KG polymer material is HACCP friendly. No rust, chipping, or peeling
Length of Service	2 weeks- 2 months	12+ months (guaranteed application)
Maintenance Required	Regular greasing and associated activities	Requires no interim maintenance after installation
Features & Benefits	Low initial cost.	• Longer life reduces maintenance cycles • Lower *total* cost of ownership • Higher level of sanitation • Reliable operation with zero maintenance

Use the Stainless Ball Solution® on:

- **Flat belts**
- **High-tension installations**
- **Overhung loads**
- **High speed shafts**

STARFLEX SHRINK WRAP TRAY PACK MACHINE

ZY5GC8-1



TU5BC-x

Conveyor with tensioned belt

	Original Bearing	EDT Bearing
Bearing	Standard metal ball bearing unit in carbon steel frame	ZY5GC8-1 and TU5BC-3, stainless ball bearing in polymer housing with stainless take-up frame
Failure	Corrosion caused by washdown	Stainless ball bearing inserts require infrequent lubrication but insert, housing and frame are more resistant to caustic washdown chemicals than are standard steel components.
Length of Service	2 months	11 months
Maintenance Required	Requires regular greasing, frequent change-outs due to corrosion	Stainless ball bearings require infrequent lubrication.
Features & Benefits	Low cost of ownership	Longer life, reduced maintenance. Change insert only; housing and frame do not need to be replaced.

See Section F (Light Gray),
pages F-10 & F-11,
for Stainless Ball Solution® take-ups.

EDT Part Numbering System

Revised 11/14

PLANE BEARINGS

NA 1 G E 7 - 20-LK

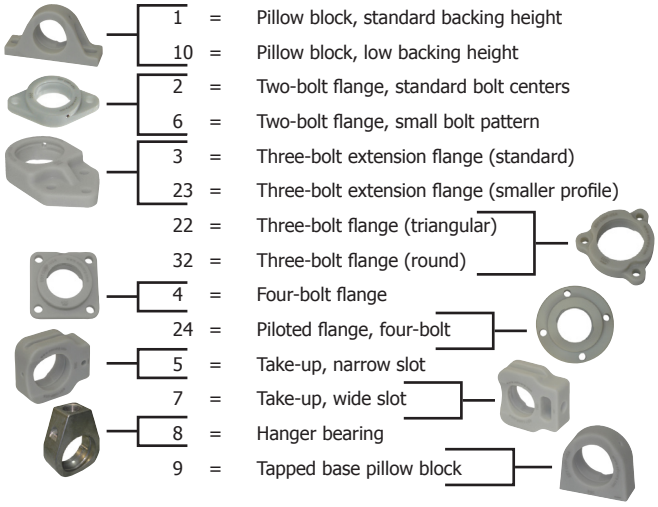
Material Indicator

Polymer: PA, AA, NA, OE, QF, QB, FA, MA, MY, MZ
Metals / metal treatments: ZA, ZF, ZN, ZQ, ZZ, Z4

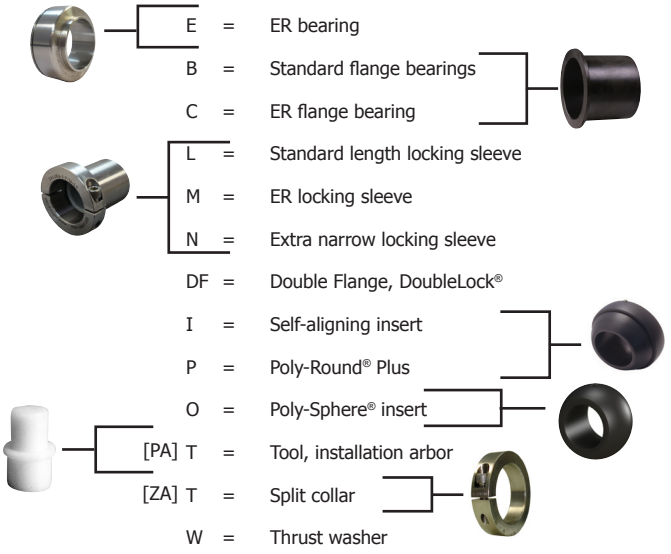
∗ Housing only indicated as '1GE' or '1GE-QK'. Prefix and suffix indentifies details of assembly or plane bearing components.

NA **1** G E 7 - 20-LK

Shape or Series



1	=	Pillow block, standard backing height
10	=	Pillow block, low backing height
2	=	Two-bolt flange, standard bolt centers
6	=	Two-bolt flange, small bolt pattern
3	=	Three-bolt extension flange (standard)
23	=	Three-bolt extension flange (smaller profile)
22	=	Three-bolt flange (triangular)
32	=	Three-bolt flange (round)
4	=	Four-bolt flange
24	=	Piloted flange, four-bolt
5	=	Take-up, narrow slot
7	=	Take-up, wide slot
8	=	Hanger bearing
9	=	Tapped base pillow block



E	=	ER bearing
B	=	Standard flange bearings
C	=	ER flange bearing
L	=	Standard length locking sleeve
M	=	ER locking sleeve
N	=	Extra narrow locking sleeve
DF	=	Double Flange, DoubleLock®
I	=	Self-aligning insert
P	=	Poly-Round® Plus
O	=	Poly-Sphere® insert
[PA] T	=	Tool, installation arbor
[ZA] T	=	Split collar
W	=	Thrust washer

NA 1 **G** E 7 - 20-LK

Housing or Non-Housing Style

∗Full housing P/N - 3 digits (Ex: 1GE)

NON-HOUSING

U	=	Non-housing product
V	=	Single split collar
W	=	Double split collar
B	=	Polymer block bearing (straight bore)
L	=	Stainless steel split flangette housing
O	=	Poly-Sphere® bearing

HOUSING

G	=	EDT "KG" cast polymer housing (spherical ID)
A	=	Stainless housing (spherical ID)
E	=	Type E housing
F	=	Mild steel housing (spherical ID)
P	=	Stainless steel cast housing

OPTIONAL HOUSING MODIFIER

-CB	=	Cap, blind
-CT	=	Cap, thru
-0_	=	Housing modification
-QK	=	QuiKlean®
-Q	=	Square bolt holes
-SM	=	Wider spherical radius

EX: QF 1 A E - **QK** 7 - 20 - LK

NA 1 G **E** 7 - 20-LK

Group Size

Dimensional interchange

RING SIZE	EDT GROUP	SPHERICAL OD		
203	A	= 1.575″	/	40 mm
204	B	= 1.850″	/	47 mm
205	C	= 2.047″	/	52 mm
206	D	= 2.441″	/	62 mm
207	E	= 2.835″	/	72 mm
208	F	= 3.150″	/	80 mm
209	G	= 3.346″	/	85 mm
210	H	= 3.543″	/	90 mm
211	I	= 3.937″	/	100 mm
212	J	= 4.331″	/	110 mm

RING SIZE	EDT GROUP	SPHERICAL OD		
213	Z	= 4.724″	/	120 mm
214	K	= 4.921″	/	125 mm
215	L	= 5.128″	/	130 mm
216	M	= 5.511″	/	140 mm
217	N	= 5.905″	/	150 mm
218	O	= 6.299″	/	160 mm
219	P	= 6.693″	/	170 mm
220	Q	= 7.480″	/	190 mm
221	R	= 7.874″	/	200 mm

EDT GROUP	TYPE E OD's		ID
01	65mm OD	x	1.35 ID
02	72mm OD	x	1.54 ID
03	85mm OD	x	1.87 ID
04	90mm OD	x	2.10 ID
05	100mm OD	x	2.35 ID
06	120mm OD	x	2.65 ID
07	125mm OD	x	3.14 ID
08	145mm OD	x	3.70 ID
09	175mm OD	x	4.20 ID
10	195mm OD	x	4.70 ID
11	212mm OD	x	5.20 ID

NA 1 G E **7** - 20-LK

Modifier

O	=	Standard part
C	=	Custom part
H	=	Hardened steel
M	=	Mild steel
Q	=	Square bolt hole
T	=	Split
6	=	316 Stainless steel components
2	=	Poly-Round® Plus with Double Flange DoubleLock® sleeve
3	=	Poly-Round® narrow, no locking sleeve (with or without housing)
4	=	Poly-Round® narrow and locking sleeve (with or without housing)
5	=	Poly-Round® in housing (no locking sleeve)
7	=	Poly-Round® with locking sleeve (with or without housing)
8	=	Ball bearing in housing
9	=	ALL-ROUND® Supreme bearing (with or without housing)
P	=	Poly-Round® Plus assembly

NA 1 G E 7 - **20-LK**

Shaft/ID Size

(indicated as "x" in the catalog)

Inches in 16th's (Ex: 1-1/4" = 20/16 → 20)
OR
Fractions (Ex: 1-1/4")

Metric with "M" or "mm" suffix
(Ex: 20M **OR** 20mm)

OPTIONAL MODIFIER (EX: QF 1 A E - QK 7 - 20 - **LK**)

-04	=	0.6 Longer locking sleeve
-04-LK	=	0.6 Longer sleeve, DoubleLock®
-LK	=	KleenCap® DoubleLock®
-LC	=	DoubleLock® (Obsolete, now LK or MC)
-MC	=	DoubleLock®
-HT	=	High temperature
-HTV	=	High temp, fixed end
-HTE	=	High temp, expansion end
-OS	=	Oven series

EX: 4Y1GE8-20GX
4Y205-16GX

BALL BEARINGS

Ball Bearing Material		Ball Bearing Style		BB Ring Size OR Housing		Modifier		-	Shaft	Lubricant		Modifier	
4	400 stainless	Y	set-screw (also B)	For inserts - refer to **Group Size** section above		Blank if bearing only Not an assembly			size in 16ths	Grease	G - Food grade Y - High temp food grade	X	Standard
3	300 stainless	U	wide eccentric (also A)	*For assemblies - use 3-digit Housing part number		8	mounted; ball bearing in housing			Solid lube - polymer	F - Food grade (-55° to 200°) J, B, P - Miscellaneous food grades C - Food grade non-corrosive K, R - High temperature E, D - Industrial grades	Z	Shield
5	NC steel	E	narrow eccentric	Example:								O	Open
6	52100 steel	0	unmounted	205	group / ring size							B	Bare
7	alloy	F	flanged unmounted	1GE	housing style					Solid lube - graphite	W, M, T, V - Various temperature ranges	V	Vacuum grade
												SM	Wider unit

SELECT THE BEST EDT INSERT FOR THE ENVIRONMENT

Class III Plane Bearings

Poly-Round® Bearings

Solid polymer bearing insert with locking sleeve

- Cost effective and convenient
- Thick bearing wall offers long life
- Sanitary and cleanable
- Predictable operation and wear
- Non-corrosive
- Non-conductive
- Requires no grease after installation
- Dimensionally interchanges with all industry standard spherical bearings
- Available in all inch and metric sizes

Materials for Poly-Round® bearing

NA: (gray)
- Moderate speed and load
- Good for impact and washdown environments
- 6,000 PV rating
- -40°F to 220°F
- Incidental food contact

QF: (black)
- Speed to 400 sfm; high load (call for details)
- Good for submerged or chemical location
- Good for high or low temperatures (with special bore)
- 60,000 PV rating
- Cryogenic to 500°F
- Incidental food contact

FA: (white)
- Not affected by chemical, moisture, or impact
- Good for submerged oil or chemical locations involving edible products
- 6,000 PV rating
- Cryogenic to 500°F
- Direct and continuous food contact approved

PA: (white)
- Low speed and load
- Excellent for submerged or chemical
- 1,000 PV rating
- Cryogenic to 150°F
- Direct food contact approved

All-Round® Supreme Bearings

Stainless steel inserts with replaceable flange polymer bearing

- Dimensionally interchange with all industry standard spherical bearings
- Non-conductive
- Require no grease after initial installation
- Sanitary and cleanable
- Corrosion resistant
- Predictable operation and wear
- Cost-effective and convenient
- Reusable components
- Spherical or ER-style
- Outer race available in 304 or 316 ss
- Available in all inch and metric sizes

Materials for All-Round® flange bearing

QB:
- Excellent price-to-performance
- Not recommended in submerged, high-salt, or extreme pH locations
- 50,000 PV rating
- Cryogenic to 550°F

QF:
- Speed to 400 sfm, high load (call for details)
- Unaffected by any chemicals at temperatures below 400°F
- 60,000 PV rating
- Cryogenic to 500°F
- Incidental food contact

Ball Bearings

Stainless Steel Ball Bearings

Choose ball bearings for applications where plane bearings are not recommended

- High speed locations
- Fans, pumps, saws/knives
- Overhung loads
- Tension locations
- Flat belts, eagle belting, V-belt drives
- Trunnion devices

Choices of:

- Re-greasable lubricated with food grade grease
  - Operating range -40°F to 300°F
  - High temp grease to 400°F
- Solid-lubricated (grease-less) with either of two kinds of lubrication:
  - For chemical resistance, very low friction, temperature extremes (specify -250°F to 650°F), vacuum locations
  - Oil-filled polymer to block contaminants into bearing at ambient temperatures (food-grade; wet or dry)

- Stainless available in inch & metric sizes to 2-7/16"
- Non-corrosive treated available to 90 mm
- 400-Series ss for maximum strength
- 300-Series ss for maximum corrosion resistance

Choose ball bearings instead of PLANE BEARINGS in these applications

- High tension (flat belt conveyors, urethane belts, V-belt drives)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (shaft mounted gear reducers)
- Trunnions

Where to use EDT plane bearings

Tough applications where ball bearings don't perform as reliably as desired, such as:

- Sanitary – HACCP
- High or low temperature
- Wash-down or steam
- Exposure to processing liquids, chemicals
- Incomplete rotation or oscillating motion
- Submerged in liquids
- Locations difficult to regularly maintain
- Exposed to bulk solid contaminants

Where to use EDT ball bearings

- High tension applications (V-belt drives, flat belt conveyors, urethane belts)
- High speed devices (fans, pumps, table top conveyors)
- Overhung loads (shaft mounted gear reducers)
- Trunnion applications

Bearing capacity is measured by PV and will determine the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed in a bearing.

HOW TO CALCULATE PV

PV - P x V

P - pressure in PSI (lbs/sq in)

V - velocity in SFM (surface ft/min)

P - F/A
where F = force (load) on bearing
A = shaft dia (in) x LTB
(LTB = bearing length through the bore)

V - .262 x D x RPM
where D = shaft diameter (in)
RPM = shaft revolutions/min

See PV Calculation Worksheet on page N-4

EDT Materials Selection Chart

	POLY-ROUND® & ALL-ROUND® Bearing Materials	PV Limit	Max Speed V (SFM)	Max Loading P (PSI)	Cont.Operating Temp.	Performance in Moisture Wash Down	Performance in Moisture Submerged	ΔT Dimensional Stability with Temp Change	Chemical Resistance	Abrasion Resistance	Impact Resistance	USDA/FDA Contact Accept.
BEARINGS	PA UHMW white	1,000	50	800	150°F/65°C	Excellent	Excellent	Poor	Excellent	Abrasion applications are very unpredictable. Each application must be tested for abrasion resistance.	Excellent	Direct
	AA white	2,000	200	1,000	160°F	Excellent	Good	Fair	Fair		Fair	Direct
	OE brown	5,000	350	1,000	160°F/72°C	Excellent	Good	Fair	Good		Excellent	Incidental
	NA grey	6,000	350	2,000	200°F/93°C	Excellent	Good	Fair	Good		Excellent	Incidental
	FA white	6,000	350	1,000	500°F/260°C	Excellent	Excellent	Poor	Excellent		Excellent	Direct
	QB black-green	50,000	400	3,000	500°F/260°C	Excellent	Poor	Excellent	Fair		Good	Incidental
	QF black	60,000	400	6,000	450°F/232°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MZ Black	6,000	300	4,000	650°F/343°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
	MY Black	5,000	250	3,000	800°F/425°C	Excellent	Excellent	Excellent	Excellent		Fair	Incidental
HOUSINGS	KG polymer housing	Not a bearing material			150°F/65°C	Excellent	Excellent	Good	Excellent	N/A	Good	Incidental
	ZA stainless housing	Not a bearing material			1000°F/540°C	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	Direct

Ratings are excellent, good, fair, poor

* PV limits are shown for unlubricated radial bearing applications.
Low temperature / submerged installation may permit PV limits up to 2x higher.

(Scale: Poor-Fair-Good-Excellent revised 12/06)

Data Sheet for Polymer Bearing Materials

Property	ASTM Test	Units	**PA UHMW** (white)	**AA** (white)	**OE** (brown)	**NA** (gray)	**FA** (white)	**QB** (black-green)	**QF** (black)	**MA** (black-brown)
USDA/FDA Approval			**Direct**	Direct	Incidental	Incidental	Direct	Incidental	Incidental	Incidental
Specific Gravity	D-792	g/cm	0.94	1.42	Incidental	1.14	2.3	1.4	1.6	1.43
Impact Strength (notch izod)	D-256	ft-lb/in	>25	1.4	1.1	0.9	2.5	1.1	0.8	0.8
Tensile Strength (Yeild)	D-638	psi	3,100	10,000	8,000	9,300	1,300	8,400	10,000	8,000
Elongation	D-638	%	350	30	11	50	15	6	3	6
Shear Strength	D-732	psi	3,500	9,500	7,500	10,000	1,700	2,727	--	11,200
Compression Strength	D-695	psi	2,400 10% deflection	5,200 1% deflection	15,000 10% deflection	10,000 1% deflection	2,000 2.5% deflection	5,900	22,000	15,200
Hardness	D-785	Rockwell	R64 D67	R120 M94	R115 --	R109 M57	R50 68A	R128 M105	-- D84	-- M85
Coeffcient of Liner Thermal Expansion	D-695	in/in/F	7.20 x 10^{-5}	5.0 x 10^{-5}	5.6 x 10^{-5}	5.5 x 10^{-5}	3.3 x 10^{-5}	3.4 x 10^{-5}	2.0 x 10^{-5}	2.7 x 10^{-5}
Thermal Conductivity	C-177	BTU/hr sq ft/F/in	29	1.6	--	--	--	1.5	3	3
Coeffcient of Friction (against steel)		Static dynamic	.25 .14	.15 .20	.14 .20	.12 - .21 .13 - .16	-- 0.04 - 0.2	-- .15	.17 .08	-- .12
Moisture Absorption 24 hours Saturation	D-570	%	<.01 <.01	.25 .90	.13 --	1.2 5.3	<.35 <1.0	<0.1 .23	.05 .01	.19 1.0
Max. Continuous Use Temperature		F°	150° / 65°C	160° / 72°C	160° / 72°C	200° / 93°C	500° / 260°C	500° / 260°C	450° / 232°C	650° / 343°C
Max. Intermittent Use Temp.		F°	220°	220°	300°	300°	550°	650°	550°	850°
Minimum Use Temperature		F°	Cryogenic	-40	-40	-40	-40	Cryogenic	Cryogenic	Cryogenic
Maximum Recommended PV		(lb) (ft) (in) (min)	<1,000	<2,000	10,000	6,000	6,000	50,000	60,000	100,000
Outgassing TML (Total Mass Loss)		E-595	--	--	--	--	0	--	0	--

BEARING DESIGN CHECKLIST (BDC)

Reference Project: _____ **Date:** _____

Distributor / Branch | Contact

Customer | Contact

City | State

Phone | Fax

Email

Application Data

Do any of these conditions exist?

- ❍ Modular Belt
- ❍ Tensioned Flat Belt
- ❍ Screw Auger
- ❍ Overhung Load
- ❍ Trunnion
- ❍ USDA/FDA Inspection
- ❍ Indirect Food Contact
- ❍ Direct Food Contact
- ❍ Wash Down
- ❍ Submersion
- ❍ Chemical
- ❍ Abrasive Material
- ❍ Vibration/Impact

What type of drive is being used?

- ❍ Roller Chain
- ❍ Direct Couple
- ❍ Timing Belt/HTD Belt
- ❍ V-Belt
- ❍ Line Shaft
- ❍ Hydraulic Motor
- ❍ Slave Drive
- ❍ Variable Frequency Drive
- ❍ Supported Shaft Mount Reducer
- ❍ Unsupported Shaft Mount Reducer
- ❍ Idler

Bearing for: ❍ New machine ❍ Retrofit

How long is current bearing lasting? (Estimated life)

Weeks: _____ Months: _____ Years: _____

Is a drawing of current system available? ❍ Yes ❍ No

Existing problem is with: ❍ Bearing ❍ Housing ❍ Both

Suspected cause of failure: _____

Will existing housing be re-used? ❍ Yes ❍ No

Has a plane bearing been tried previously? ❍ Yes ❍ No

Material or brand: _____

Describe the application:

Bearing Data

❍ Mounted ❍ Type "E"/Roller ❍ Thrust
❍ ER ❍ Unmounted/Radial ❍ Roll End

Shaft Diameter: _____

Shaft RPM: _____

Estimated Load per Bearing: _____

Temp. Around Bearing: _____

Shaft direction: ❍ Horizontal ❍ Vertical ❍ Inclined

Type of motion: ❍ Radial motion ❍ Linear motion
❍ Expansion ❍ Intermittent ❍ Reversing ❍ Frequent stop/start

Self-alignment required? ❍ Yes ❍ No

Split housing required? ❍ Yes ❍ No

Part # of existing bearing: _____

Style of housing: _____

PV Calculation Worksheet

PV (Pressure x Velocity) is a method of calculating bearing capacity by determining the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed.

(**F** _____ ÷ **A** _____) = **P** _____ x **V** _____ = **PV** _____

- **F**: Load on bearing
- **A**: Journal diameter x bearing LTB
- **P**: Pressure
- **V**: From chart below
- **PV**: Operational PV of bearing* (NTE PV limit of material from box below)

Calculate **P** (**P**ressure) by figuring F/A (force divided by area)

F = Load on the bearing
A = Journal size x length thru bore (LTB)

Use this chart to determine V (Velocity):

1. Find row that reflects speed
2. Find column that reflects journal size
3. The point where these two meet is V for this application

Material Operating LImits			
Limiting	P	V	PV
PA	800	50	1,000
AA	2,000	200	2,000
NA	2,000	350	6,000
QB	3,000	400	50,000
QF	6,000	400	60,000
MA	6,000	400	110,000

Bearing / Journal Surface Speed Calculations (V = Surface Feet per Minute)

Journal Speed in (RPM)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1500	197	294	393	492	590	786	983	1179	1376	1572
1000	131	197	262	328	393	524	655	786	917	1048
900	118	177	236	295	354	472	590	708	826	944
800	105	157	210	262	315	420	524	628	734	838
700	92	138	184	230	276	368	459	551	642	734
600	79	118	158	197	236	316	393	472	551	629
550	73	108	145	180	217	288	361	432	505	577
500	66	98	131	164	197	262	328	393	459	524
450	59	88	118	148	177	236	295	354	413	468
400	53	79	105	131	158	210	262	315	367	420
350	46	69	92	115	138	184	230	276	321	369
300	40	59	79	98	118	158	197	236	276	315
250	33	49	66	82	99	132	164	197	230	262
200	27	39	53	66	79	106	131	158	184	210
175	23	35	46	58	69	92	115	138	161	184
150	20	30	40	49	59	80	99	118	138	158
100	14	20	27	33	40	53	66	80	92	105
75	10	15	20	25	30	40	50	60	69	79
50	7	10	14	16	20	26	33	40	46	53
25	4	5	7	8	10	13	17	20	23	26

Journal Size (diameter in inches)

Marginal - double check load (P) before selecting a plane bearing

Not recommended to use plane bearings

These EDT products have USDA Acceptance

USDA/NSF Equipment Acceptance List

April 2011

Note that all sizes in each family are accepted under this listing.


UNITED STATES DEPARTMENT OF AGRICULTURE
MARKETING AND REGULATORY PROGRAMS
AGRICULTURAL MARKETING SERVICE

EQUIPMENT ACCEPTANCE CERTIFICATE

Firm:
EDT Corporation
Vancouver, Washington

Model Designation:
Poly-Round® Spherical Bearings

April 6, 2011
Date of Issuance

April 5, 2015
Date of Expiration

U.S. Department of Agriculture
Marketing and Regulatory Programs
Agricultural Marketing Service
Dairy Grading Branch
1400 Independence Ave., SW
Washington, DC 20250-0230

The issuance of this form is based on U.S. Department of Agriculture, Dairy Grading Branch, Equipment Design Review Section, evaluation of the equipment listed above for compliance with:

NSF/ANSI/3-A 14159-1 - 2010 Hygiene requirements for the design of meat and poultry processing equipment

This form does not limit USDA's responsibility to take appropriate action in cases in which evidence of non-compliance, improper maintenance, or non-sanitary conditions have been observed.

USDA

United States Department of Agriculture

Polymer Housings	**Series #**
Tapped base pillow block housing	9G_
Pillow block housing – standard backing height	1G_
Pillow block housing – low backing height	10G_
2-Bolt flange housing	2G_
2-Bolt flange housing – small bolt pattern	6G_
3-Bolt extension flange housing	3G_
4-Bolt flange housing	4G_
Narrow slot take-up housing	5G_
Wide slot take-up housing	7G_
Piloted flange housing	24G_
4-Bolt housing – small bolt pattern	4G_-01
3-Bolt flange housing – triangular	22G_

Stainless Steel Housings	**Series #**
Tapped base pillow block housing	9A_
Pillow block housing – standard backing height	1A_
Pillow block housing – low backing height	10A_
2-Bolt flange housing	2A_
2-Bolt flange housing – small bolt pattern	6A_
Piloted 2-bolt flange housing	6A_-SP
3-Bolt extension flange housing	3A_
4-Bolt flange housing	4A_
Narrow slot take-up housing	5A_
Wide slot take-up housing	7A_
Hanger housing	8A_
Piloted flange housing	24A_
4-Bolt housing – small bolt pattern	4A_-01
3-Bolt flange housing – triangular	22A_

USDA/NSF EQUIPMENT ACCEPTANCE LIST (continued)

QuiKlean® Housings	**Series #**
Tapped base pillow block housing (polymer)	9G_-QK
Pillow block housing – standard backing height (polymer)	1G_-QK
2-Bolt flange housing (polymer)	2G_-QK
4-Bolt flange housing (polymer)	4G_-QK

Block Bearings	**Series #**
Tapped base pillow block	9B_O
Pillow block – standard backing height	1B_O
Pillow block – low backing height	10B_O
2-Bolt flange	2B_O
2-Bolt flange – small bolt pattern	6B _O
3-Bolt extension flange	3B_O
4-Bolt flange	4B_O
Narrow slot take-up	5B_O
Wide slot take-up	7B_O
Mini 2-bolt	NA2ZX-
Special narrow slot take-up	NATUN-X

Stainless Steel Take-Up Frames	**Series #**
Narrow slot – bolt on style	TU5_ _
Wide slot – bolt on style	TU7_ _
Narrow Slot – weld on style	TD5_ _

Bearings	**Series #**
All-Round® stainless spherical inserts	ZAIU_ _
All-Round® stainless ER cylindrical inserts	ZAE_ _ _
All-Round® flange polymer bearings	_ _BU_ _-_
Installation arbor	PATU_O
Poly-Round® spherical bearings	_ _IU_O
Poly-Sphere® bearing	_ _OU_O
Radial Poly-Round® bearings	*All sizes to scale*

To: EDT Corp customers
From: Carl Klinge
Subject: Animal fat use in EDT products
Date: December 4, 1996

KOSHER CERTIFICATE

EDT Corp makes bearings to operate in severe maintenance environments from a variety of polymer and metal materials. In some installations such as those operating according to kosher dietary laws, it is imperative to identify products that contain any animal fat or animal by-products.

EDT has conducted an investigation of our manufacturing processes and those of our vendor and resin suppliers to determine the extent of use of animal fats and animal by-products.

The following EDT materials include no animal fats or by-products in the base materials. In addition, no animal fats or animal by-products have been used during the manufacture of these materials.

- QB polymer (bearing material)
- QF polymer (bearing material)
- KG polymer (housing material)
- 304 stainless steel
- 316 stainless steel
- 17-4 PH stainless steel

EDT bearing products that are made solely of the above materials, and therefore contain no animal fat or animal by-products, include:

- Stainless bearing housings ..... (1-19)A(A-M)
- Cast polymer bearing housings ..... (1-19)A(A-M)
- QB or QF ALL-ROUND® SUPREME bearings ..... QBIU(A-M)9-(½-3)
  QFIU(A-M)9-(½-3)
- QB or QF ALL-ROUND® ER bearings ..... QBEU(A-M)9-(½-7.4)
  QFEU(A-M)9-(½-7.4)
- ALL-ROUND® Solution® mounted bearings ..... QB(1-19)G(A-M)9-(½-3)
  QF(1-19)G (A-M)9-(½-3)
- Ultimate Solution® mounted bearings ..... QB(1-19)G (A-M)9-(½-3)
  QF(1-19)G (A-M)9-(½-3)
- Trolley wheel bearings EDTWB1
- Solid polymer spherical insert ..... QFIU(A-M)O-(½ -3)
- ALL-ROUND® flange bearings ..... With or without locking sleeves (check availability)
- Custom bearings: QF with or without 304, 316, or hardened stainless components

ENGINEERING NOTES

EDT "KG" TECHNICAL DATA SHEET

Chemical Acceptability for "KG" Material used for EDT polymer mounted bearing housings

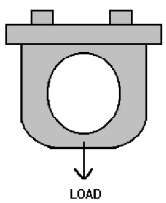
General chemical analysis is rated on the following:
A Acceptable
L Limited
U Unacceptable

Group	Chemical Tested	Temp	Rating
Acids, strong	Concentrated hydrochloric or sulfuric acid	73º F	L
Acids, weak	Acetic acid, hydrochloric (dilute), sulfuric acid (dilute)	73º F	A
Alcohols	Methanol, ethanol, anti-freeze	73º F	A
Alkalies, strong	Strong ammonia or sodium hydroxide	73º F	L
Alkalies, weak	Dilute ammonia or sodium hydroxide	73º F	A
Chlorinated solvents	Methylene chloride, chloroform (111 trichloroethane)	73º F	U
Ethers	Diethyl ether, tetrahydrofuran	73º F	L
Hydrocarbons - Aliphatic	Gasoline, hexane, grease	73º F	A
Hydrocarbons - Aromatic	Benzene, toluene	73º F	A
Inorganic salt solutions	Sodium chloride, potassium cyanate	73º F	A
Ketone, esters	Acetone, methyl ethyl ketone	73º F	U

Tapped Base Pillow Block Thread Integrity Test

Test was conducted using EDT part number 9GC.
Housing was mounted upside down, with bearing loaded opposite the base.

Bolt is 3/4 of threaded hole depth



Test Made	Housing Reaction
Test #1 4,000 # Max. test load	No noticeable distortion. Threads are still intact.
Test #2 766 # Continuous hanging weight test, 11 Days	Housing initially moved .001" then remained there the balance of the test. Threads are still intact.
Test #3 250 # Load dropped vertically 6–10"	Housing took 6 repeated drops before breaking. Note: Threads are still intact.

Mechanical properties of “KG” material used for EDT Polymer mounted bearing housings

Properties	ASTM Test Method	Units English (SI)	Results
PHYSICAL			
Specific gravity, 73°F (23°C)	D 792	--	1.229
Water absorption at 73°F (23°C), 24 hours	D 570	%	0.22
UV Exposure	--	--	Acceptable
MECHANICAL			
Modulus of elasticity	D 638	psi (MPa)	190,000 (1310)
Ultimate tensile stregth	D 638	psi (MPa)	12,000 (83)
Elongation at yield	D 638	%	8
Flexural modulus	D 790	psi (MPa)	455,000 (3100)
Flexural strength	D 790	psi (MPa)	13,500 (93)
Notched Izod impact strength at 73°F (23°C)	D 256	ft-lb/in (J/m)	1.6 (86)
Unnotched Izod impact strength at 73°F (23°C)	D 256	ft-lb/in (J/m)	12.4 (663)
Barcol hardness	D 2583	M-943 scale	30
Rockwell hardness	D785	M scale	92
THERMAL			
D TUL at 264 psi (1.8 MPa)	D 648	°F (°C)	221 (105)
Coefficient of thermal expansion	--	in/in/°F	5.14×10^{-5}
Maximum continuous working temperature	--	°F	150
Maximum intermittent temperature	--	°F	250
ELECTRICAL			
Volume resistivity, 73°F (23°C)	D 257	ohm-cm	4.6×10^{14}

EDT Corp ■ 360-574-7294 ■ FAX 360-574-3834
edtcorp.com ■ edtsales@edtcorp.com

Hardware Information

Hardware used by EDT is usually 18-8 or 300-series stainless

Typical hardware sizes on EDT products														
Bearing Ring Size	201-202-203	204	205	206	207	208	209	210	211	212	214	215	216	217-221
EDT Group Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N - R
EDT Type E Group size				1	2	3		4	5		6	7	8	9, 10, 11
BB set-screw	10-32 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	5/16-24 UNF	5/16-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	1/2-20 UNF	1/2-20 UNF	1/2-20 UNF
Locking sleeve set-screw	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	5/16-24 UNF	5/16-24 UNF	5/16-24 UNF	5/16-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	1/2-20 UNF
Locking sleeve (metric)		M6x1	M6x1	M6x1	M6x1	M6x1								
KleanCap® screw (metric)		KCS06M-01	KCS06M-01	KCS06M-01	KCS06M-01	KCS06M-01								
KleanCap® screw P/N	KCS010-32	KCS1/4-28	KCS1/4-28	KCS1/4-28	KCS1/4-28	KCS1/4-28	KCS516-24	KCS516-24	KCS516-24	KCS516-24	KCS3/8-24	KCS3/8-24	KCS3/8-24	KCS1/2-20
KleanCap® screw	10-32 UNF X 1/2	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	1/4-28 UNF	5/16-24 UNF	5/16-24 UNF	5/16-24 UNF	5/16-24 UNF	3/8-24 UNF	3/8-24 UNF	3/8-24 UNF	1/2-20 UNF
KleanCap® hex size	3/16”	1/4” / 6MM for metric	1/4” / 6MM for metric	1/4” / 6MM for metric	1/4” / 6MM for metric	1/4” / 6MM for metric	5/16”	5/16”	5/16”	5/16”	3/8”	3/8”	3/8”	1/2”

Recommended tightening torque limit of stainless set-screws:

In set-screw ball bearings	
10-32 UNF	20 inch-pounds
1/4-28 UNF / M6x1	29 inch-pounds
5/16-24 UNF	60 inch-pounds
3/8-24 UNF	110 inch-pounds
1/2-20 UNF	170 inch-pounds

Use of threadlocker will assure screw stays in place, less affected by vibration

In eccentric ball bearings and locking sleeves	
10-32 UNF	28 inch-pounds
1/4-28 UNF / M6x1	35 inch-pounds
5/16-24 UNF	74 inch-pounds
3/8-24 UNF	155 inch-pounds
1/2-20 UNF	245 inch-pounds

Use of threadlocker will assure screw stays in place, less affected by vibration

When installing housings onto equipment:

All housings should be installed with a flat washer under the head of the bolt.

Use of a lockwasher is at the discretion of the installer. If a lockwasher is used, it should be installed above the flat washer.

On polymer housings, bolt pressure should not exceed 25-30 foot-pounds of torque.

ENGINEERING NOTES

Shaft size tolerances required for insert bearings

Shaft size	Ball bearing insert* (UC or SA) 	Ball bearing insert* (HC or HU) 	DoubleLock® on EDT plane bearing 	Setscrew locking sleeve on EDT plane bearing 
1/2” to 1-1/8”	nominal to -.0006” no plus	nominal to -.0006” no plus	nominal to +.0005 and -.002	nominal to +.001 and -.002
1-3/16” to 1-15/16”	nominal to -.0006” no plus	nominal to -.0006” no plus	nominal to +.001 and -.002	nominal to +.002 and -.002
2” to 3-1/8”	nominal to -.0007 no plus	nominal to -.0007 no plus	nominal to +.001 and -.002	nominal to +.003 and -.003
3-1/4” to 4-1/2”	nominal to -.0009” no plus	nominal to -.0009” no plus	nominal to +.001 and -.002	nominal to +.003 and -.003

***** The higher the shaft speed, the closer the shaft must fit within the ball bearing to maximize the speed capability of the bearing. Shafts sized closest s You - rely on tighter tolerances; TGP (turned, ground and polished) shafting is recommended for higher operating speeds.

For heavy loads, there should also be a close fit (small difference) between ball bearing and the shaft. In heavy loads where there is NOT high speed, consider plane bearings, like EDT Poly-Round®s (shown above).

9/19/2014

ENGINEERING NOTES

Polymer Solid Lubricant

Grease-Free for Life

Ball-and roller-bearings are traditionally lubricated with grease and oils. These lubricants often purge and contaminate the surrounding area, and they may require periodic maintenance through manual or automatic re-lubrication. EDT's solid polymer lubricant (EPL) drastically reduces - or may even eliminate - the problems associated with traditional lubrication.

Advantages of EPL:

- **Never require re-lubrication**
- **Consistently deliver the right amount of lubrication**
- **Resist contamination**
- **Stand up to harsh applications and wash downs**
- **Dramatically improve cleanliness**

EPL extends bearing life by blocking out contaminants and resisting chemicals that lead to early bearing failure.

Physical characteristics of EDT's Polymer Solid Lubricant

EPL is a superior solid lubricant that combines a micro-porous polymer with high quality, high performance synthetic lubricant and other additives. The chemical composition of the polymer, additives and synthetic lubricant vary depending on the lube, and should be selected for the application. For example, food grade USDA-H1 approved oils are used in food processing formulas. Additional additives modify performance characteristics, such as:

- low operating temperature
- reduced friction
- increased load and extreme pressure

How EDT Polymer Solid Lubricant works

EPL's micro-porous structure is comprised of millions of microscopic pores that hold and release lubricating oil. As the bearing rotates and the rolling element track warms, oil is released from the interconnected micro-pores of the solid polymer to lubricate the bearing. Oil is retained in the matrix through surface tension. The polymer's micro-porous structure traps oil throughout its entire mass and slowly delivers lubrication to the bearing as needed. EPL formulas contain 50% to 80% oil by weight, which is 2 to 5 times more oil than standard grease. The oil-permeated solid polymer also fills and seals the open space of the bearing to block out contaminants that lead to early bearing failure.

Technical Information

Proven applications include severe service environments such as:

- **USDA-inspected** / high levels of sanitation
- **Contaminated environments** (dirt, sand, flour, etc.)
- **Low operating temperatures**
- **Difficult to reach** or maintain bearings
- **Wash down**; chemical cleaning
- **Oscillating**
- **Wet** environments
- **Vertical shaft-mounted bearings**
- Temperatures to 350° F / 175° C

Polymer Solid Lubricant limitations

The use of solid polymer lubricant limits operating speeds of all bearings. Additionally, solid polymer lubrication formulas have maximum recommended operating temperatures. These can be found in the chart below. To calculate speed limitation **at ambient temperatures**, use the following formula:

$$\textit{Maximum rpm} = \frac{\textit{Ndm value}}{(\textit{O.D.} + \textit{Bore})(.5)}$$

[All dimensions in mm]

Ndm values	
Bearing Type	Ndm value
Single row deep grove ball bearings with steel cage, including ceramic hybrid	300,000
Radial and insert bearings with plastic cage	40,000
Double row deep groove and angular contact ball bearings	150,000
Cylindrical roller and self aligning ball bearings	150,000
Spherical roller bearings	84,000
Tapered roller bearings	44,000

EDT Lube P/N	Solid Lubricant Description	H1 Food Contact	Operating Temp
F	High performance oil-permeated polymer	YES	-55°F to 215°F
C	Extreme chemical-resistant oil-filled micro-porous polymer	YES	-30°F to 350°F
K	High performance high temperature oil-permeated polymer	YES	-25°F to 350°F
B	Extreme low temperature, high performance, oil-permeated polymer	YES	-65°F to 200°F
More formulations available for specific applications			

LITF418-0215

EDT Corp ● 1006-J NE 146th St. Vancouver, WA 98685 ● 800-810-7110 ● sales@edtcorp.com ● www.edtcorp.com

TECHNICAL UPDATE February 28, 2002

EDT Bearing Selection Guidelines

These guidelines and generalizations are intended to assist in initially selecting the optimum EDT product to try in any specific application. Accurate applications information, collected on an EDT Bearing Design Checklist (BDC) completed either by someone familiar with the application or direct site information, is vital to choosing the most appropriate bearing. Bearing selection for any application is only as accurate as the information provided to select it.

1. Always specify self aligning bearings unless there is a specific reason to recommend a block bearing. (Price alone is not a good reason.) Machine frames are fabrications, and by that definition are never square; therefore bearings mounted on fabricated frames must have self aligning capability.
2. Always recommend a locking sleeve with a bearing. Half of a bearing's performance is based on the bearing material and design; the other half is based on the condition of the journal. This includes both the nature of the material and its surface finish over the expected life of the bearing. The primary reason not to spec a locking sleeve is that the journal operation is very slow and does not make a full rotation.
3. Never spec a plane bearing in a friction drive application. Examples of this would be "V" belt motor drives, flat belt conveyors, and urethane belt conveyors.
4. Never spec a plane bearing in a high speed application. Examples of this would be fans and pumps.
5. Never spec a plane bearing in an overhung load. Example would be a shaft mounted gear reducer. If the reducer is supported by a separate frame or by a torque arm, call the factory for a review.
6. Never spec a plane bearing in a trunnion application.
7. Always spec a Poly-Round® in applications below 40ºF (4ºC).
8. Never spec FA in an All-Round® bearing.
9. Never spec QB for continuous submerged operations or environments where the pH is more than 3 points off of neutral. Neutral pH is 7; QB should not be used lower than 4 nor higher than 10 pH.
10. KG housings should not be spec'd in applications that have ambient temperatures above 150ºF. However, high temperature wash down and steam cleaning are acceptable (since the higher temperatures are not being sustained during operation, only in cleaning).
11. Machine specific (customized) bearings must be spec'd from a BDC or with participation of someone intimately familiar with the machine. Customized bearings often have less room for error.
12. Modular plastic belt conveyors will always use NA Poly-Round® bearings with a locking sleeve. These are covered by the EDT Guaranteed Solutions program to last for a minimum of one year.
13. When estimating the length of a conveyor for an application: figure each 90º bend in the conveyor as 3 times the length, and each 180º curve as 6 times the length. Example: a 10-foot conveyor with one 90º bend has an equivalent length of 30 feet. With two 90º bends, the bearings on the 10-foot conveyor are handling the equivalent of 60 feet on a straight conveyor. Ten feet with one 90º and one 180º bend is equivalent to a 90-foot straight conveyor when calculating bearing load. Normally you would see these kinds of designs on tabletop chain conveyors, which are best left to ball bearings.

(Continues on next page)

14. Abrasive contaminants (dust, flour, grains, sand, and other solids) must be kept out of the working surface of the bearing. Grease is not recommended in dusty environments as it attracts and holds the contaminants in the bearing. Seals like Forsheda V-Rings are recommended to reduce solid contamination of the journal. If there is sufficient room, the EDT Glove® should be used. The Glove® is available blind bored or thru bored. (See pages G-3 & G-4 in the PINK section).

15. In high solid abrasive contaminated applications it is best to completely isolate and cover the bearing with the EDT Glove®. Since any covering that restricts airflow around a bearing will raise temperature, it is normally recommended to use a ball bearing inside of the EDT Glove®.

16. If there is not enough flushing liquid present in an application, a black residue may build up around the ID of a QB or QF bearing. This is normal, but may be unacceptable in a sanitary environment. The only remedy for this is to use an alternative material; call the factory for recommendations.

RED FLAG ALERT!

Stainless ball bearings can RUST since the balls and races are made of 400-series (hardenable) stainless steel. High concentrations of cleaning solutions, as well as other strong chemicals, will speed the corrosion process.

OPTION: Check with EDT for assistance to see if a plane bearing (fully non-corrosive) might be an option for your application.

TECHNICAL UPDATE October 1, 2002

EDT Corp Response Regarding Anti-Microbial Agents

Anti-microbial agents in bearings, bearing housings, belting, cutting boards, knife handles, and other food processing accessories are being increasingly promoted in industry. They began to appear **several years ago** in the U.S. with a variety of consumer and industrial products. In the European Union, Microban® has been approved as a food contact additive in plastics. In the USA, it is registered for use in food contact surfaces, except in food packaging.

EDT Corp is keeping watch on the regulations by government agencies as well as the scientific debate about this kind of product. There is not full agreement about the benefit or harm that these anti-microbial agents can have either short- or long-term.

Regardless of how they are promoted, **anti-microbial agents are not designed to kill** and **do not kill** the harmful bacteria. While certainly some bacteria are killed in the process, the purpose of these agents is to **RETARD THE GROWTH** of the bacteria. While this certainly would seem to be a desirable feature, there is considerable evidence in the testing that has been done to date that the bacteria that are not killed are, in fact, more resistant to these agents and develop increased resistance. This creates a bigger problem than was had before the introduction of these agents. This is true of Microban® and all other antimicrobial agents on the market.

If 98% of bacteria coming in contact with any product were killed because of an anti-microbial additive, that would leave 2% that would quickly multiply and, in the subsequent generations, would not be affected by the agent at all. In these kinds of bacteria, the second generation could be generated quickly and food processing plants would be continually forced into new and advanced chemicals to keep up acceptable sanitation levels.

Surveys that have been conducted in both the consumer and industrial markets clearly indicate that people believe that these agents kill the bacteria, and people have developed a false sense of security when using products advertised with this anti-microbial feature. It is unwise to operate under the assumption that anti-microbials prevent bacteria from occurring.

Anti-microbial agents are not expensive, and do not change the price of the products in any meaningful way, but they make for great advertising until the buyer fully understands the limitations of the products. Many companies have added these agents to their products with good intentions but have done so without a full understanding of the long-term implications of these actions. Products are too often advertised for their features, and the limitations are not explained. The retail or industrial customer is then forced to make a purchasing decision based on incomplete information that is based more on “marketing” than on the complete facts of the science.

In the future, EDT expects that there will be killing agents that can be added to products, but at this time we are not aware of any. To date, we have seen no documentation that will show anything but a small “kill” percentage and a large “growth retardant” percentage.

EDT maintains a file of anti-microbial agents that are on the market, but because of the uncertainty of the final testing results and with a high probability of long term problems, we have decided to wait until more testing has been done before we take steps to add these agents to our products. If positive new information comes available on this subject, and long term testing shows that chemical additives are beneficial in the fight against detrimental bacteria, you can be assured that EDT Corp will upgrade our products to include these agents. For now, we believe that to include these agents in our products would be a disservice to our customers.

Additional questions on this topic should be addressed to Carl Klinge, EDT Engineering Manager.

TECHNICAL UPDATE July 25, 2014

Summary analysis of failed solid-lubricated ball bearings and 'red water'

In response to reports of premature ball bearing failure of EDT solid-lubricated stainless ball bearings, whether 440C or 300-series, EDT conducted research into the source of the problem towards finding a solution. The premature ball bearing failures manifest as bearings showing a 'red water' stain at the 6 o'clock position (gravity induced), and ball bearings failing more rapidly than historical life in the same location. Interestingly, these two events do not always occur together.

Our research began by interviewing plant personnel and also making numerous trips to processing facilities. It was challenging to discern a pattern of failure and to get comparisons with like installations that had not failed in other plants, as well as seeing varying results with alternative products. Consideration was given to equipment, lubricants, seals, bearing brands, types of metals in races, shields, cages, and the wash down chemicals used in the plants. Multiple failed bearings were submitted to an independent testing lab for evaluation, as was MSDS information of cleaning chemicals that came in contact with the bearings.

Laboratory Testing

EDT supplied failed bearings and photos of additional bearing failures and of 'red water' marking to an independent testing laboratory located in the Portland, Oregon area. The lab was asked to evaluate the nature of the current condition of all components of the bearings. They were also asked to assess the expected interaction of the component materials with cleaning chemicals (alkaline and chlorine) used in the field.

The following items were evaluated by the lab and/or by EDT:

1. 440 stainless bearings with solid lubricant
2. 440 stainless bearings with conventional food grade grease
3. 300-series stainless and solid lubrciated bearings returned from field use
4. Alternative coated 52100 bearings with conventional food grade grease
5. Seal combinations
6. Shield combinations
7. Shaft size variations
8. Consideration of application
9. Consideration of plant geography
10. Consideration of dwell time exposure to the cleaning chemicals and sanitizers
11. Considerations of other EDT customer experiences over years of exposure

Here are facts and discoveries relevant to the occurrences of 'red water' and premature ball bearing failures:

1. The 440C stainless and the 300-series stainless used in EDT bearings is metallurgically the same as that used in other brands of stainless insert ball bearings.
2. A check of all vendor sources related to failed EDT bearings could detect no changes in processes and procedures, materials, or lubrication.
3. While there have been isolated incidences of corrosion of EDT bearings in various plants, the rash of corrosion and premature failures became more evident in the fall of 2013. This timing correlates with a move to more aggressive cleaning chemicals, particularly in facilities processing protein-rich food products.
4. There was no appreciable difference in corrosion pattern based on bearing location (application), plant location, or shaft size.
5. In areas where bearings are not subjected to significant wash down (box conveyors that get shorter chemical dwell time or areas inaccessible to heavy CIP), solid-lubricated, stainless ball bearings show very little sign of corrosion.
6. There appears to be no interaction of cleaning chemicals with the bearing components of seal, non-stainless cages, shield, solid lubricant, or grease.
7. In the presence of other liquids, some dilution of any lubricant can be expected.
8. There was degradation on all stainless bearings (440C and 300-series) of inner- and outer-races and balls from alkaline cleaners and chlorine sanitizers when used independently. There was also a third degrading action of the metal when these chemicals

(Continues on next page)

Solid-lubricated ball bearings and 'red water' (continued)

1. were used together or when a second chemical was used while there was residual of the first.

   While 300 SS is generally more corrosion resistant than 400 SS, per the laboratory, the 300-series stainless is also subject to corrosion in the presence of these new, more aggressive cleaning chemicals. The two primary components of the 'red water' were analyzed to be iron and chromium, both of which are dark in color and exist in both SS metal families.

   Grease protected the metal races better than the oil that is in solid lubricants. Because of this difference in protection, the races are more exposed to the chemicals with solid lubricants than with grease, which makes the chemicals more damaging.
2. Solid lubricated bearings on newly installed equipment, subjected to the full range of chemicals but not yet put into service, showed very little signs of corrosion.
3. Whether bearings were originally purchased with food grade grease or solid lubricated, in facilities where grease has been consistently [re]supplied, there are few-to-no incidences of bearing corrosion or 'red water.'

   At plants that initiated a routine maintenance program of weekly re-greasing ALL ball bearings, regardless of whether originally purchased greased or solid lubricated, in order to "top off" the lube-fill, even 440 stainless insert ball bearings show little evidence of corrosion. Notably, with this practice, some stainless bearings have run reliably for as much as 2-1/2 years.
4. EDT Poly-Round® plane bearings (insert bearings that are made of solid polymer and mated with 316 stainless locking sleeves) consistently have exhibited no corrosion regardless of the composition of the cleaning chemical.

Conclusion

While generally 300-series stainless is more corrosion resistant than 400-series stainless, the 300-series, in the presence of these more aggressive cleaners, WILL show signs of corrosion.

It has been determined by the lab and validated in the field that, regardless of seal type, there is sufficient dilution of the solid lubricant to expose the bearing races to the caustic effects of the cleaning chemicals. Standard lubrication (grease) seems to offer better protection of the races from the chemicals; with grease, corrosion can better be prevented.

Prior to the use of such aggressive cleaning chemicals, EDT solid lubricated bearing products have provided significant cost savings for users. There is not a problem with the solid lubricants or solid lubricated bearings; the issue is the aggressive chemical solutions diluting the oil more readily than grease, after which the metal is not as well protected and is more prone to corrosion. Until a better class of solid lubricants is developed to address these advances in cleaning and sanitizing chemicals, in applications where high levels of aggressive chemical solutions are used, greased bearings are better performers than solid lubricated bearings

EDT's Poly-Round® plane bearings with 316 stainless components in 300-series stainless, or our KG polymer material housings continue to be up to the challenges of this increasingly severe environment. There are many applications where ball bearings are currently used that would benefit from converting to plane bearings, and EDT will continue to work to expand the use of Poly-Round® bearings where feasible.

In the short term, for plants where solid lubricated bearings are prematurely failing and where increasingly aggressive cleaning chemicals are utilized, greased bearings with the ability to re grease to refresh the protective effect of grease on the stainless races appears to significantly extend bearing life, albeit without reducing labor. To avoid over-greasing and exacerbate product contamination from excess grease, careful attention should be paid to the amount of additional grease routinely added – some facilities processing protein have found that re-greasing one squirt one time per week sufficiently refreshes the grease to maximize stainless ball bearing life despite ongoing exposure to these increasingly aggressive wash down chemicals and sanitizers.

For the long term, EDT is exploring several options for new bearing lubricants and for bearing materials that can withstand the changing environment in food processing facilities. Tests of some options are in progress, and new products will be introduced when tests are completed and inventory is in place.

EDT strives to provide bearing products that address sanitation and productivity with low cost of ownership. We sincerely appreciate the opportunity to work with our customers, and look forward to continuing to partner with you with the goal of developing bearings that accommodate the needs at your facilities for:

- highest levels of sanitation
- lowest maintenance costs to maintain operations
- increasingly aggressive wash down products and processes
- different personnel and practices at each facility

With questions or concerns about EDT products, please contact us directly:

360-574-7294 or 800-810-7100

TECHNICAL UPDATE March 28, 2015

Making plane bearings work on flat belt applications

Problem

Some processing systems are arranged with flat belt conveyors in locations or applications where ball bearings are problematic. Any of the following conditions may apply:

- Extreme of temperature exists that compromises lubrication in a ball bearing
- Corrosion exists that cannot be controlled with coated or stainless bearings
- Grease contaminates product
- Location is difficult to access
- Conveyor is submerged

Situation

While EDT does not generally recommend the use of plane bearings on flat belts, there are procedures that can be implemented to assist in making these types of conveyors work with EDT plane bearings. While there are no guarantees, these procedures will go a long way in ensuring a successful installation.

There are two issues involved:

1. Flat belts generally run faster than modular plastic or steel belts.
2. Tracking tension on a flat belt is high and unpredictable.

Per the PV formula, both of these issues contribute to the difficulty in plane bearings operating satisfactorily. The formulas provided by belt manufactures are based on lab tests for the required amount of tension to run their belts. This will take into account the belt material and friction data, pulley material, pulley surface finish, load, elevations, diameter of pulley, speed, etc. This is rarely the ACTUAL tension on the belt. There are always unknown factors such as: 1) the local environment and 2) differences in individuals maintaining the system. If the belt runs, it just means that all of the minimum conditions were met.

Solution

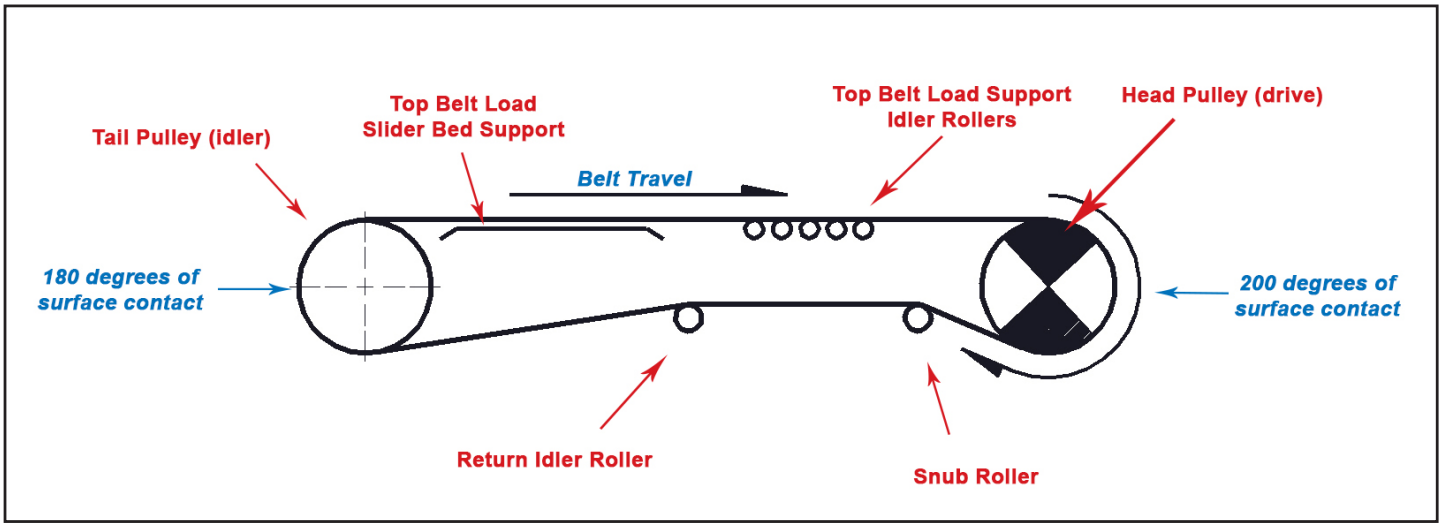
In order to create the best conditions for making a successful run with a plane bearing, ALL of the following conditions must be addressed to the greatest degree possible. The absence of any of the following will require a greater tension on the belt to run it; this greater tension will cause problems for plane bearings (as well as shorter life for ball bearings).

1. Pulley diameter should be as large as possible.
    - This makes the lowest shaft rotation speed for any given belt speed and the highest area of contact for the belt.
2. Belt speed should be as low as the application will allow.

(Continues on next page)

Making plane bearings work on flat belt applications (continued)

3. Pulley should be lagged or knurled.
   - This increases friction on the belt.
   - Pulley should not be smooth or flat because there is less friction between the two surfaces.
4. The belt/pulley arc of contact should be as great as possible.
   - This gets the most friction with the belt.



5. Belt should be tensioned to the absolute minimum to run the belt.
   - Mechanics must be trained to understand that the belt tracks to the tight side, but that it is sometimes useful to LOOSEN one side to make it track.
6. Belt ends must be cut at 90° on the lacing or vulcanized edge.
   - This makes the belt the same length on both edges of the belt.
7. Pulleys should be crowned to provide a high point in the center of the pulley.
   - This will force the highest tension of the belt to be in the center.
   - This will greatly assist in the proper tracking of a flat belt.

Advantages

Successful installation of a plane bearing on a flat belt can be very advantageous in locations where some issues of the environment may affect optimum ball bearing performance. Routine inspection of plane bearings (wear of plane bearings can usually be visually monitored) may be wise, but benefits of retrofitting to Poly-Round® plane bearings on flat belts when it is possible to do so include:

- Eliminating rust – completely non-corrosive
- Eliminating grease – cleaner running
- Eliminateing temperature-related lubrication issues
- Unaffected by wash-down and process moisture

USER HANDBOOK

for EDT BEARINGS

(Updated October 2015)

- **PRODUCT GUIDE**
- **INSTALLATION**
- **GENERAL OPERATION**
- **MAINTENANCE**
- **LUBRICATION**
- **TROUBLE SHOOTING**

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Table of Contents

EDT Bearing Selection Guide

A quick application reference for EDT products

This is a general reference. For specific recommendations concerning your applications, contact EDT Corp or your local distributor account manager. You will be asked to complete a Bearing Design Checklist (BDC) to assist in this process. A blank Bearing Design Checklist can be found on page O-5.

Bearing application	Type of bearing to use	Refer to this catalog or website section
Modular plastic belt conveyor	NA Poly-Round® bearing	**B (Amber)** - Poly-Round® Solution®
Wire belt conveyor (flat- or round-wire)	NA Poly-Round® bearing	**B (Amber)** - Poly-Round® Solution®
Wire belt conveyor in oven, idler rollers	QF Poly-Round® bearing in metal housing (Note: in most cases cast iron housings are used inside ovens)	**F (Lt. Gray) -** Stainless Spherical Solution® Housings *and* **C (Dk Blue) -** Poly-Round® Bearings
Wire belt conveyor in ovens, head and tail puleys	Ball or other rolling element; standard or solid-lubricated	**F (Lt. Gray) -** Stainless Ball Solution®
Submerged fryer	FA Poly-Round® bearing in stainless housing for direct food contact QF Poly-Round® bearing in stainless housing for incidental food contact	**C (Dk Blue) -** Poly-Round® Bearings *and* **F (Lt. Gray) -** Stainless Spherical Solution® Housings
Flat-belt and urethane belt conveyor	Ball or other rolling element; standard or solid-lubricated	**F (Lt. Gray) -** Stainless Ball Solution®
Table-top conveyor (usually high speed and multi-curved)	Ball or other rolling element; standard or solid-lubricated	**F (Lt. Gray) -** Stainless Ball Solution®
V-belt drive or unsupported overhung load	Ball or other rolling element; standard or solid-lubricated	**F (Lt. Gray) -** Stainless Ball Solution®
Fans, some pumps	Ball or other rolling element; standard or solid-lubricated (For plane bearings: contact Graphalloy at 914-968-8400 or sales@graphalloy.com)	**F (Lt. Gray) -** Stainless Ball Solution®
Trunnion	Ball or other rolling element; standard or solid-lubricated	**F (Lt. Gray) -** Stainless Ball Solution®
Reversing motion or frequent start/stop motion	Poly-Round® or Cylindrical Poly-Round® or Radial Poly-Round®	**B (Amber)** - Poly-Round® Solution® *or* **C (Dk Blue) -** Poly-Round® Bearings *or* **K (Dk. Gray) -** Unmounted Radial Bearings
High load + low speed combination	All-Round® or Poly-Round® or Cylindrical Poly-Round® (may require metal housing)	**D (Red) -** All-Round® Solution® *or* **B (Amber)** - Poly-Round Solution®
Low load + high speed combination	Ball or other rolling element; standard or solid-lubricated	**F (Lt. Gray) -** Stainless Ball Solution®

What are Plane Bearings?

All **Bearings** provide a sacrificial and disposable product between moving parts that are easier and less expensive to replace than more costly and less disposable components. (This is different than a **bushing** which is a device designed to fill an empty space and has no other particular function.)

Plane bearings are devices that have no "rolling" components. They are designed to maintain the centerline position of a shaft or establish a precise location of a structure. The name comes from the geometry "plane" that establishes the point of operation.

Plane bearings are divided into four classes based on the way each type works.

Class I

A lubricated bearing whose source of lubricant must come from the outside. In order to be effective the lubricant must always be present; an absence of the lubricant will result in the journal contacting the bearing wall, and failure of the application.

Primary materials Brass, bronze, iron, babbitt, steel, polymer, wood, phenolic (micarta), elastomer, ceramic.

Principle of operation In a perfect design, the fluid film (lubricant) separates the journal from the bearing wall during normal operation, and eliminates wear.

Class II

A lubricated bearing whose source of lubricant comes from within the bearing wall. In some cases the lubricant is added after the bearing is in its final physical form, and in others the lubricant is built into the matrix of the material during the manufacturing process. In either case, when the lubricant contained within the bearing wall has been exhausted, the journal will contact the bearing wall and will fail in the application.

Primary materials Sintered metals (primarily bronze), polymers (oil filled), ceramic, wood.

Principle of operation In a perfect design, the fluid film (lubricant) separates the journal from the bearing wall during normal operation, and eliminates wear.

Class III

A bearing that requires no separate lubrication, and fails when the bearing wall has been exhausted or when the bearing material has broken down. Failure occurs when the journal centerline can no longer be sufficiently maintained for the application, or the load can no longer be sustained. The bearing must give up of itself in order to perform. (See chart below for list of primary materials.)

Principle of operation – A very thin film of material on the journal that is scraped from the inside of the bearing by the journal provides a suitable working interface between the journal and bearing wall.

Class IV

Any other product that qualifies as a plane bearing by virtue of meeting all of the requirements of the plane bearing definition, but that do not fall into any of the first three classes by its operation.

Class III Bearing Materials

Base Materials		Additives
▪ Steel	▪ Polyimide	▪ PTFE
▪ Resin (solid)	▪ Urethane	▪ Graphite
▪ Polyethylene (low molecular weight)	▪ PPS	▪ Carbon
▪ Filament wound resins	▪ Wood	▪ Molybdenum
▪ UHMW (polyethylene, ultra-high molecular weight)	▪ Peek	▪ Silicone
▪ Composition resins (wood, paper, cotton, canvas)	▪ PEI	
▪ Ceramic	▪ Polyamide-imide	
	▪ PES	
	▪ PBI	

BEARING DESIGN CHECKLIST (BDC)

Reference Project: _____ **Date:** _____

Distributor /Branch	**Contact**
Customer	**Contact**
City	**State**
Phone	**Fax**
Email	

Application Data

Do any of these conditions exist?

- ☐ Modular Belt
- ☐ Tensioned Flat Belt
- ☐ Screw Auger
- ☐ Overhung Load
- ☐ Trunnion
- ☐ USDA/FDA Inspection
- ☐ Indirect Food Contact
- ☐ Direct Food Contact
- ☐ Wash Down
- ☐ Submersion
- ☐ Chemical
- ☐ Abrasive Material
- ☐ Vibration/Impact

What type of drive is being used?

- ☐ Roller Chain
- ☐ Direct Couple
- ☐ Timing Belt /HTD Belt
- ☐ V-Belt
- ☐ Line Shaft
- ☐ Hydraulic Motor
- ☐ Slave Drive
- ☐ Variable Frequency Drive
- ☐ Supported Shaft Mount Reducer
- ☐ Unsupported Shaft Mount Reducer
- ☐ Idler

Bearing for: ☐ New machine ☐ Retrofit

How long is current bearing lasting? (Estimated life)

Weeks: _____ Months: _____ Years: _____

Is a drawing of current system available? ☐ Yes ☐ No
Existing problem is with: ☐ Bearing ☐ Housing ☐ Both
Suspected cause of failure: _____

_____

Will existing housing be re-used? ☐ Yes ☐ No
Has a plane bearing been tried previously? ☐ Yes ☐ No

Material or brand: _____

Describe the application: _____

_____

_____

Bearing Data

☐ Mounted ☐ Type "E" or Roller ☐ Thrust
☐ ER ☐ Unmounted/Radial ☐ Roll End

Shaft Diameter: _____

Shaft RPM: _____

Estimated Load/Bearing: _____

Temp. around bearing: _____
Shaft direction: ☐ Horizontal ☐ Vertical ☐ Inclined
Type of motion: ☐ Radial motion ☐ Linear motion
☐ Expansion ☐ Intermittent ☐ Reversing ☐ Frequent stop/start
Self-alignment required? ☐ Yes ☐ No
Split housing required? ☐ Yes ☐ No

Part # of existing bearing: _____

Style of housing: _____

(If completing this checklist with bearing performance questions) Has anything about your operation or the enironment changed in the past few months: _____

_____

_____

It is extremely helpful if you can provide information about the chemicals that the bearing is subjected to in operation or in cleaning. Please send MSDS if at all possible, or at least a list of the solutions that come in contact with the bearing(s). Email information to scottw@edtcorp.com with a note that your email accompanies the BDC you are submitting.

PV Calculation Worksheet

PV (Pressure x Velocity) is a method of calculating bearing capacity by determining the amount of heat generated in a plane bearing. PV is the relationship of the load to the shaft speed.

(**F** _____ ÷ **A** _____) = **P** _____ x **V** _____ = **PV** _____

- **F**: Load on bearing
- **A**: Journal diameter x bearing LTB
- **P**: _____
- **V**: From chart below
- **PV**: Operational PV of bearing* (NTE PV limit of material from box below)

Calculate **P** (**P**ressure) by figuring F/A (force divided by area)

F = Load on the bearing
A = Journal size x length thru bore (LTB)

Use this chart to determine V (Velocity):

1. Find row that reflects speed
2. Find column that reflects journal size
3. The point where these two meet is V for this application

Material Operating LImits			
Limiting	P	V	PV
PA	800	50	1,000
AA	2,000	200	2,000
NA	2,000	350	6,000
QB	3,000	400	50,000
QF	6,000	400	60,000
MA	6,000	400	110,000

Bearing / Journal Surface Speed Calculations (V = Surface Feet per Minute)

Journal Speed in (RPM)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1500	197	294	393	492	590	786	983	1179	1376	1572
1000	131	197	262	328	393	524	655	786	917	1048
900	118	177	236	295	354	472	590	708	826	944
800	105	157	210	262	315	420	524	628	734	838
700	92	138	184	230	276	368	459	551	642	734
600	79	118	158	197	236	316	393	472	551	629
550	73	108	145	180	217	288	361	432	505	577
500	66	98	131	164	197	262	328	393	459	524
450	59	88	118	148	177	236	295	354	413	468
400	53	79	105	131	158	210	262	315	367	420
350	46	69	92	115	138	184	230	276	321	369
300	40	59	79	98	118	158	197	236	276	315
250	33	49	66	82	99	132	164	197	230	262
200	27	39	53	66	79	106	131	158	184	210
175	23	35	46	58	69	92	115	138	161	184
150	20	30	40	49	59	80	99	118	138	158
100	14	20	27	33	40	53	66	80	92	105
75	10	15	20	25	30	40	50	60	69	79
50	7	10	14	16	20	26	33	40	46	53
25	4	5	7	8	10	13	17	20	23	26

Journal Size (diameter in inches)

Marginal - double check load (P) before selecting a plane bearing

Not recommended to use plane bearings

ENGINEERING NOTES

Installing Poly-Round® bearing into housing

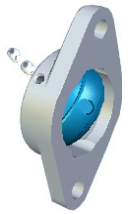


Fig 8-1

Step 1: **Remove a Poly-Round® insert from an EDT housing, unscrew two (2) set-screws (Fig 8-1)**

Poly-Round® bearings are designed to fit snuggly in the housing. Note that "self-aligning" insert bearings typically do not actually "self-align" with only a thumb press; it is necessary to use a 'cheater-bar' through the bore to install, remove, or adjust alignment of most self-aligning inserts into most housings.

If using a housing by another manufacturer, choose Poly-Round® Plus insert.

Step 2: **Prepare to install EDT Poly-Round® bearing into housing**

Chilling the polymer shrinks it, making it easier to slip in and adjust the location within the sphere. As soon as the polymer returns to room temperature, it will fit as intended in the housing. For easiest installation, chill a new bearing by putting it into a freezer or in ice water for 30–60 minutes.


Fig 8-2

Poly-Round® insert (with 2 slots on OD)

A. Fig 8-2: Establish orientation of the drilled insert in the housing; align one of the anti-rotation slots with the tapped hole.
One of the anti-rotation slots should line up with the tapped hole.
NOTE: The second slot will be used when the insert has worn too far in one direction. At that time, the insert can be taken out of the housing and rotated 180º to utilize the unworn side of the insert.

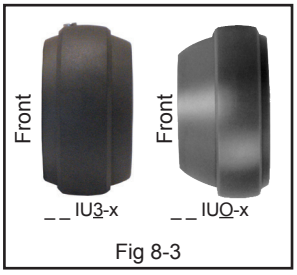


Fig 8-3

Poly-Round® Plus (with pin)

A. Establish orientation of the [chilled] insert in the housing with the pin in one of the loading pockets (Fig 8-4).


Fig 8-4

B. To maintain the same length through bore of the assembly, be aware of the direction of the longer side of the insert when you drop the Poly-Round® Plus into the housing. Poly-Round® inserts (_ _ IUO-x) are usually assembled with the long end towards the front of the housing; inserts (_ _IU3-x) are assembled with the short end to the front (Fig 8-3).

C. Roll the [chilled] bearing into the housing. A 'cheater-bar' is a good assist. (The diameter of the bar should be as close to the bearing bore as possible; a wood or plastic bar is preferable because it will cause less damage to the components.)

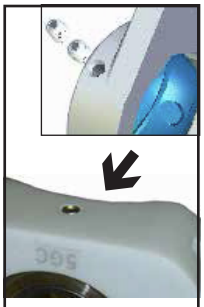


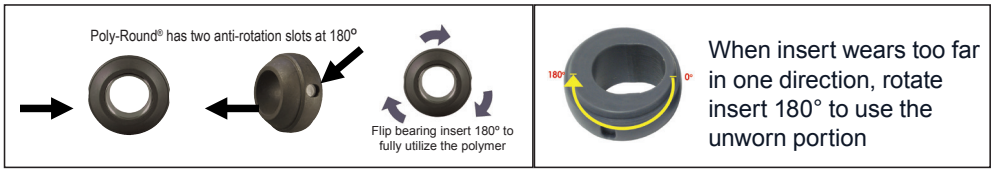
Fig 8-5

D. When the slot is in place under the tapped hole and the insert appears to be aligned in the housing, the set-screw can be installed (Fig 8-5). The first set-screw (the longest one) should make contact with the bottom of the slot in the bearing, then reverse it one (1) full turn. This anti-rotation pin within the slot allows the insert to pivot a few degrees in multiple directions without locking the insert in place. The second setscrew will go on top of the first to lock the first set-screw in place and fill the hole (sanitation).

D. Install ¼-28 set-screw into threaded hole until flush with surface (sanitation).


See: EDT Poly-Round® Installation video: http://www.youtube.com/watch?v=N8mXjrZbwYA

180°



(Continued on next page)

Fig 9-1

If using a housing by another manufacturer, choose Poly-Round® Plus

Install the mounted bearing onto the equipment

Step 3: Shaft tolerences

The shaft and bearing tolerances are important to get maximum performance with a plane bearing. Turned and ground shafting should be considered.

RECOMMENDED SHAFT TOLERANCES RUNNING PLANE BEARINGS				
Shaft sizes	½" to 1-1/8" 12 – 29 mm	1-3/16" to 1-15/16" 30 – 50 mm	2" to 3-1/8" 51 – 80 mm	3-1/4" to 4-1/2" 81 – 120 mm
DoubleLock® Sleeve	+ .0005 / -.002	+ .001 / -.002	+ .001 / -.002	+ .001 / -.002
Set-screw sleeve	+.001 / -.002	+.002 / -.002	+.003 / -.003	+.003 / -.003

Step 4: Installing bearing onto equipment

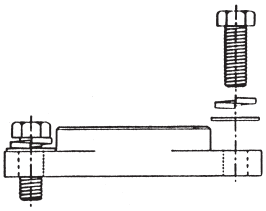


Fig 13-1

- All housings (polymer or stainless) should be installed with a flat washer under the head of the bolt.
- Use of a lockwasher is at the discretion of the installer; if used, lockwasher should be mounted above the flat washer (Fig 13-1).
- Tighten bolts no more than 25-30 foot-pounds / 300 inch-pounds of torque, no matter what material the housing is (polymer, stainless steel, standard cast metal).

Step 5: Mount bearing insert onto shaft

- When mounting bearing insert onto shaft the torque pressure for inner race set-screws should not exceed:

TIGHTENING TORQUE LIMITS OF SCREWS				
	KleanCap® screws on DoubleLock® sleeves	203-208 ring A-F 1/2" - 1 1/2" shaft 1/4-28 UNF **110 inch-pounds**	209-212 ring G-J 1 5/8" - 2 7/16" shaft 5/16-24 UNF **200 inch-pounds**	214-218 ring L-O 2 1/2" - 3 1/2" shaft 3/8-24 UNF **350 inch-pounds**
	Stainless set-screws on locking sleeves	203-205 ring A-C 1/2" - 1" shaft 1/4-28 UNF **29 inch-pounds**	206-212 ring D-J 1 1/8" - 2 7/16" shaft 3/8-24 UNF **60 inch-pounds**	214-218 ring L-O 2 1/2" - 3 1/2" shaft 1/2-20 UNF **110 inch-pounds**

- Use of threadlocker will assure set-screw integrity.

Step 6: Run equipment

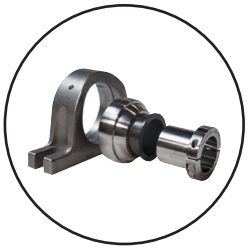
- Bearings must be checked after startup to make sure that they are not running hot. If the bearings are running hot, check step 5 again, and look for alignment problems. A Troubleshooting Guide is on page O-27 of the User Handbook (EDT catalog, Section O, or online at www.edtcorp.com).
- If there is still a problem after reviewing the installation, call the factory in Vancouver, WA (Ph: 360-574-7294) or email at **sales@edtcorp.com**.

Installation posters can be seen/ordered online at:

http://www.edtcorp.com/html_pages/productsheets.html

Poly-Round®

Poly-Round® Plus



Replacing flange bearings into All-Round® spherical inserts

The sacrificial part of an All-Round® is the flanged polymer bearing (Fig 10-1).

- All-Round® flange bearing sleeves should be changed after the wear has reduced the wall thickness to no more than 3/4 of the original wall thickness, or when the shaft centerline becomes a problem.
- To replace an All-Round® flange polymer bearing, do NOT adjust the setscrews or otherwise tamper with the spherical insert in the housing – these two components should remain AS IS.

Fig 10-1

Fig 10-2

Step 1: Press used flange polymer bearing out of stainless ring (see Fig 10-2). This can be done with an EDT installation and removal tool and any arbor press or drill press. The spherical insert must be positioned on a pipe or some fixture that raises the spherical ring high enough off the bench to remove the bearing. See Fig 10-3A and 10-3B for fixtures that can be purchased from EDT for this operation.

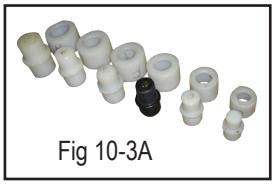


Fig 10-3A

Fig 10-4

Step 2: Install new EDT flange polymer bearing. When installing replacement All-Round® bearings, note that the flange polymer sleeves are somewhat brittle so they must be gently pressed into the All-Round® spherical inserts. Care should be taken that the flange bearing is perpendicular to the bore of the stainless ring before pressure is applied. Pressure should be applied smoothly and consistently. A drill press or arbor press is ideal for this (see Fig 10-4).

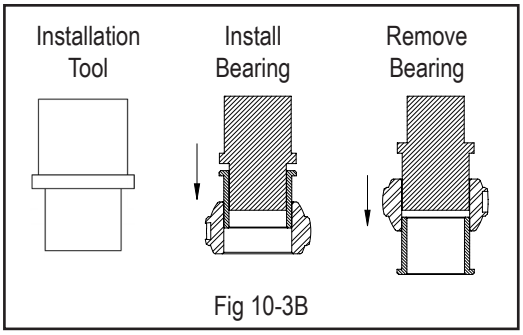


Fig 10-3B

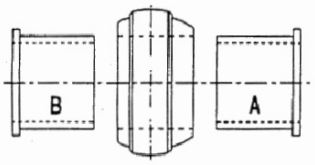
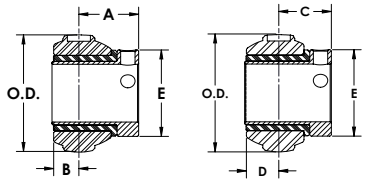


Fig 10-5A

All-Round® bearings can be installed with the polymer flange on either side of the spherical insert (see Fig 10-5A). Locking sleeve must run against polymer and not against a metal surface (see Fig 105B). Units are shipped from the factory as shown in “View A” configuration (see Fig 10-5B); you can specify “View B” assembly to reduce the length thru bore beyond the housing.



VIEW - **A** VIEW - **B**

Fig 10-5B

For Special Application Conditions ..... See pages O-22 thru)-25
To install housing onto equipment..... See page O-8

To install All-Round® bearing into housing, see next page

Installing spherical insert into housing

Follow these instructions to install an All-Round® insert into a housing that previously held a different kind of bearing. Once installed there is no need, in most cases, to change out the spherical insert unless the polymer bearing wears through to the stainless insert.

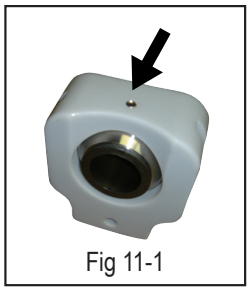


Fig 11-1

Step 1: To remove the used stainless spherical insert from an EDT housing, unscrew TWO setscrews from the outside of the housing. For housings by other manufacturers, remove any fittings (grease-fitting or tap plug) and remove bearing insert (see Fig 11-1).

Check the I.D. of the housing (especially on a metal housing) for any burrs, scratches, or an obvious out-of-round condition. Repair burrs and scratches as required. An out-of-round condition makes the housing unusable. Refer to page U-23 for a fast and easy way to check housings without expensive tools.

Step 2: Note that the spherical insert is not symmetrical; direction of assembly significantly affects the overall length thru-bore. Also note the slot on the O.D. of the bearing (see Fig 11-2). The slot must be positioned so that it will fall under the threaded hole on the housing.

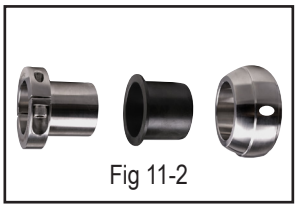


Fig 11-2

With all polymer bearing materials EXCEPT “QF” material, the spherical insert with the polymer bearing can be pressed together, and the two pieces can then be handled as one unit. QF flange polymer bearings should be pressed into the spherical insert AFTER the insert is set-screwed in place into the housing. Refer to Step 2 on page O-10 for flange bearing installation procedure.

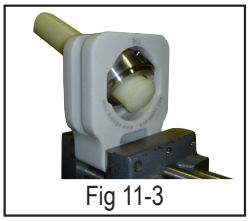


Fig 11-3

Roll the bearing into the housing using a round bar that is as close to the bore dimension as possible. This will prevent damage to the bore of the flange polymer liner. If the “cheater bar” is smaller ID than the shaft, it may be helpful to wrap the round bar to avoid excess load on only one small part of the bearing (see Fig 11-3). Wood or polymer bars help reduce bearing damage.

Step 3: Install two setscrews through the housing. The 1st setscrew (long) will make contact with the bottom of the slot in the bearing and then needs to be reversed 1 FULL turn. The 2nd setscrew (short) goes on top of the 1st to lock the first in place and to fill the hole (see Fig 11-4).

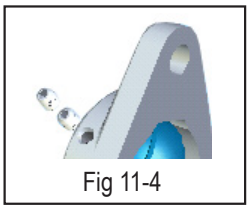


Fig 11-4

Installing ball bearing into housing

Revised 3/24/2014

If you have purchased a ball bearing that is already assembled into the housing, skip ahead to step 4 on page O-13.

Step 1: Inspect the I.D. of the housing for any burrs, scratches, or an obvious out-of-round condition

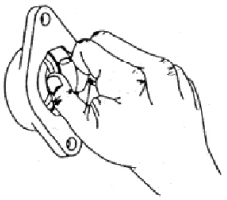


Fig 12-1

a) Check the mating parts prior to full installation by performing the following procedure:

- Install the bearing into the installation slots in the spherical housing.
- Hold the bearing between your fingers and turn the bearing in the housing like a key in a lock (Fig 12-1). A bearing that fits properly will turn 360° in the housing This may require two hands, but if a tool is required to turn the bearing in the housing, the fit is too tight.

b) Repair burrs and scratches as required. An out-of-round condition makes the housing unusable.

Step 2: Select best lubrication option for your facility, and add hardware to housing

Fig 12-2a

Fig 12-2b

- EDT provides a choice of housing hardware: a ¼-28 set-screw AND a ¼-28 grease fitting.
- Install the appropriate hardware: either a set-screw to plug hole, or a grease fitting to re-lube into the housing depending on how you choose to maintain your ball bearings (with regular re-greasing or sealed-for-life).

  NOTE: Solid lubricant eliminates issues related to over-greasing; bearings will run more cleanly and eliminates the labor and materials of regreasing. However, in a highly corrosive chemical environment, lubricants may prematurely degrade and not fully protect the races from chemicals. Even with a solid lubricant, an occasional shot of grease can prolong bearing life.

Step 3: Insert ball bearing into housing

- If there is an anti-rotation pin on the O.D. of the bearing, the pin must be positioned to slip into the loading slot of the housing (Fig 12-2a).
- Use a round bar sized as close to the bore dimension as possible to roll the bearing into the housing (Fig 12-2b).
- Uncommon shaft sizes are accommodated by EDT with a stainless bushing (Fig 12-3) that slides between the inner race and the shaft. A long set-screw retains it in place. In many cases, bushings can be reused through several bearing changes. Do not tighten more than the listed pressure limits (refer to Step 6); over-tightening set-screws may cause the inner ring to crack.*

  *An alternative to set-screw locking is eccentric locking ball bearings. Eccentric style is a more positive locking system than set-screws. Eccentric bearings are not for reversing installations.

Fig 12-3

Fig 12-4

HOUSING HARDWARE		
	EDT Housings	Other brand housings
Re-lubricatable ball bearing	• To regrease: install ¼-28 grease fitting into threaded hole • To maintain sealed-for-life: install ¼-28 set-screw into threaded hole until flush with surface (Fig 12-4)	• Check that grease hole of insert will align with grease ring of housing. Housing requires a grease fitting to accommodate a grease gun.
Solid lubricated ball bearing	• To rely on solid lubricant only: install ¼-28 set-screw into threaded hole until flush with surface (Fig 12-4)	• Remove grease fitting and replace with set-screw or pipe plug. This bearing typically does not need grease.**

**As cleaning chemicals in the plants become more corrosive, solid lubricants do not always protect the races from the chemicals. An occasional shot of grease in a solid lube bearing generally corrects this problem.

(Continues on next page...)

Installing ball bearing unit onto equipment

Revised 3/24/2014

Step 4: To get the maximum performance with a ball bearing, the shaft size and the bearing I.D. size must be closely matched. Turned and ground shafting should be considered.

RECOMMENDED SHAFT TOLERANCES RUNNING BALL BEARINGS							
Shaft sizes: ½" to 1-1/8" (12 – 29 mm)		Shaft sizes: 1-3/16" to 1-15/16" (30 – 50 mm)		Shaft sizes: 2" to 3-1/8" (51 – 80 mm)		Shaft sizes: 3-1/4" to 4-1/2" (81 – 120 mm)	
Max	+0 inch	Max	+0 inch	Max	+0 inch	Max	+0 inch
Min	-.0006 in/ -.015mm	Min	-.0006 in/ -.015mm	Min	-.0007 in/ -.017mm	Min	-.0009 in/ -.023mm

Step 5: **When mounting housing onto equipment**

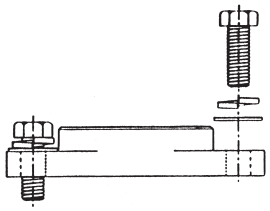


Fig 13-1

- All housings (polymer or stainless) should be installed with a flat washer under the head of the bolt.
- Use of a lockwasher is at the discretion of the installer; if used, lockwasher should be mounted above the flat washer (see Fig 13-1).
- Tighten bolts no more than 300 inch-pounds (25-30 foot-pounds) of torque, no matter what material the housing (polymer, stainless steel, cast metal)

Step 6: When mounting bearing insert onto shaft, torque pressure for inner race set-screws should not exceed these limits:

TIGHTENING TORQUE LIMITS OF STAINLESS SET-SCREWS			
On set-screw locking bearings*			
203-206 ring A-D	207-209 ring E-G	210-212 ring H-J	214-215 ring L-M
29 inch-pounds	60 inch-pounds	110 inch-pounds	~170 inch-pounds
*An alternative to set-screw locking is eccentric locking ball bearings. Eccentric style is a more positive locking system than set-screws. Eccentric bearings are not for reversing installations.			
On eccentric locking bearings			
203-205 ring A-C	206-210 ring D-H	211-215 ring I-L	216-220 ring M-P
35 inch-pounds	74 inch-pounds	~155 inch-pounds	~245 inch-pounds

Use of threadlocker will assure set-screw integrity.

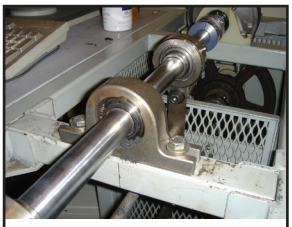


Fig 13-2

Step 7: **Run equipment**

- Bearings must be checked after startup to make sure that they are not running hot (Fig 13-2). If the bearings are running hot, check step 5 again, and look for alignment problems. A Troubleshooting Guide is on page O-27 of the User Handbook section of EDT catalog, or online at www.edtcorp.com).
- If there is still a problem after reviewing the installation, call the factory in Vancouver, WA (Ph: 360-574-7294) or email at **sales@edtcorp.com**.

RED FLAG ALERT!

Stainless ball bearings can RUST since the balls and races are made of 400-series (hardenable) stainless steel. High concentrations of cleaning solutions, as well as other strong chemicals, will speed the corrosion process.

OPTION: Check with EDT for assistance to see if a Poly-Round® or other plane bearing `might be an option for your application.

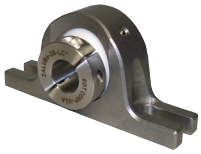


Fig 14-1

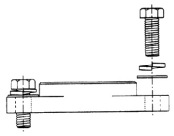


Fig 14-2

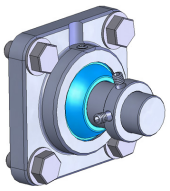


Fig 14-3


Fig 14-4

Installing Poly-Round® mounted bearings onto equipment

Note: There are TWO setscrews through the outside of the EDT housing. These are pre-set at the factory and do not require adjustment in the field (see Fig 14-1).

Step 1: Mount bearing and housing assembly onto machine.

- **Always use a flat washer** under the hex head of the bolt.
- Use of a lockwasher is at discretion of the installer; lockwasher would be placed **above** the flat washer (see Fig 14-2).

Tighten bolts no more than 300 inch-pounds (25-30 foot-pounds) of torque, no matter what material the housing (polymer, stainless steel, standard cast metal).

Step 2: A. Threadlocker is recommended on all threads.
(Do this at time of installation, so threadlocker is fluid when tightening onto shaft.)

1. Setscrews: On setscrews, back out the setscrew, put drop of threadlocker in the tapped hole, and reinstall.
2. Bolts: back out the screw about half-way (5 turns), put drop of threadlocker at the neck of the thread so as screw is re-tightened, threadlocker is worked into the threads.

B. Locking sleeve must run on polymer (with a slight gap at flange*), not run against metal.

1. On Poly-Round® units, locking sleeve may thrust against either side of the insert since it is entirely polymer.
2. On All-Round® units, locking sleeve must thrust against polymer flange of the plastic bearing.

C. Tighten set screws or cap screws so sleeve is secured on shaft.

* Leave a .005 gap (paper thickness) between the SS flange of the locking sleeve and the side of the bearing (see Fig 14-4).

TIGHTENING TORQUE LIMITS OF STAINLESS SET-SCREWS			
On setscrew locking bearings			
204-206 ring size: 29 inch-pounds	207-209 ring size: 60 inch-pounds	210-212 ring size: 110 inch-pounds	213-215 ring size: ~170 inch-pounds
On eccentric locking ball bearings			
1/4-28 UNF: 35 inch-pounds	5/16-24 UNF: 74 inch-pounds	3/8-24 UNF: ~155 inch-pounds	1/2-20 UNF: ~245 inch-pounds

Step 3: Once the bearings are mounted, and before drives and belts (or other devices) are installed, make sure the shaft freewheels inside the bearings.

- If the shaft does not freewheel, the bearing must be adjusted inside the housing to better align with the shaft.
- If necessary, use a 'cheater bar' in the bearing bore to assist: the diameter of the bar should be as close to the bearing bore as possible; a wood or plastic bar is preferable because it will cause less damage (see Fig 14-6).
- Once shaft freewheels correctly, attach drive mechanisms and belts.
- When bearings are fully installed, check again for freewheeling. If equipment does NOT freewheel as it did before tightening bolts, back them off, adjust alignment or housing placement as needed for operation without excess 'drag.'

Step 4: Run equipment.

- EDT Poly-Round® bearings will run warmer than ball bearings, but they should never run so warm that you cannot hold your hand on the bearing.
- If an EDT bearing is warmer than your hand can tolerate, refer to Step 3 to adjust the alignment of the bearing and assure that the shaft freewheels.
- If bearing continues to run hotter than you are able to touch, refer to the Troubleshooting Guide on page O-28.
- For troubleshooting or other assistance, contact EDT factory by phone: 800-810-7110 or email: edtsales@edtcorp.com.


Fig 15-1

Cylindrical profile bearings

Radial Poly-Rounds® (Fig 15-1) are excellent in applications with:

- Low to moderate shaft speed
- High temperature (up to 500°F)
- Low temperature to cryogenic
- Submerged, chemical, brine, wash-down


Fig 15-2

Re-grease-able stainless ball bearings (Fig 15-2) are excellent in applications with:

- High speed
- High tension
- Corrosive atmosphere
- Environments where lubrication is not a problem


Fig 15-3

Solid lubricated stainless ball bearings (Fig 15-3) are excellent in applications with:

- High speed
- High tension
- Difficult to maintain locations
- Corrosive atmospheres
- Extremes of temperature (high to 650°F, low to -250°F, vacuum) – specify requirement when ordering


Fig 15-4

All-Round® Supreme ER bearings (Fig 15-4) are excellent in applications with:

- High load
- Moderate speeds
- Frequent start/stop
- Submersion, chemical, brine, washdown
- Low temperature, to cryogenic
- High temperature, to 500°F (sustained, not intermittent)

Most unmounted bearings have no means of self-alignment, so it is critical that the shaft and the equipment are straight and square.

Installing onto equipment

Step 1: Inspect location where the bearing will be installed. Check for burrs, scratches, rust, etc. that may adversely affect the installation of the bearing. If there are imperfections, repair the location prior to installing the bearing. Tube and pipe rollers also must be straight, as well as the shafting that supports them, or they will "thump" with every revolution.

Step 2: Install bearing.

OD-press bearings should be installed with an arbor or some means of pressing the bearing squarely into the housing while pressing on the circumference of the outer race.

ID-press bearings must be installed evenly onto the shaft while pressing on the inner hub or ID of the bearing.

Step 3: Radial Poly-Round® and solid lubricated ball bearings are designed not to be regreased for the life of the bearing.

Installing EDT bearings in high temperature locations

Heated locations like dryers, ovens and fryers are very common in many industries as food is cooked, bulk chemicals dried, fiber glass baked, and heat-treated metal parts quenched, etc. In high temperature applications, the expansion of different materials relative to each other causes design difficulties and must be addressed in the bearings that allow these heated devices to move.

Materials expand with increasing levels of temperature and things that are fixed at both ends of an expanding material will break. It is for this reason that expansion bearings came about. EDT's plane bearings work very well in high temperature conditions with a fixed bearing on the drive side of a device and an expanding bearing on the opposite side (see Fig 16-1).

Bearing installation in high temperature locations

The fixed bearing should be an EDT Poly-Round® out of a high temperature material in a metal housing with a locking sleeve flange on one side of the bearing and a split set collar on the opposite side of the same bearing. This allows control of the lateral movement of the shaft to be contained by just the one bearing. The opposite expansion bearing should be a Poly-Round® out of high temperature material in a metal housing with locking sleeve that has an extended length body. The locking sleeve fixed to the shaft now has a longer journal to accommodate the float of the shaft as the temperature increases and decreases. The flange of the locking sleeve of the expansion bearing must be on the outboard side of the oven (see diagram). (Call EDT if space limitations require inside mount.)

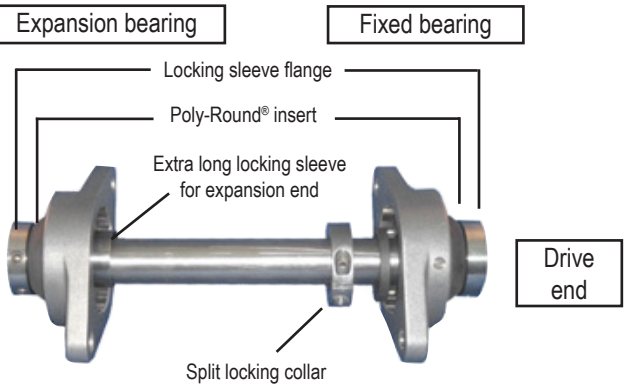


Fig 16-1

With few exceptions, lubricants of all kinds should not be applied in hot applications.

Food grade high temp materials

Fryer bearings associated with food processing must, in most cases, be approved as a "food ingredient." EDT's FA bearing material makes the grade for temperature (operates to 500ºF), for USDA/FDA criteria and for ease-of-maintenance. As with all other high-temperature applications, this must be in a Poly-Round® style (see Fig 16-2).

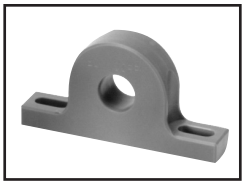

Fig 16-2

High speed or tension locations

High temperature locations with high speed or tension (flat belt take-ups, pumps, fans operating above 300ºF ambient temperature) will be well served with high temperature, solid lubricated ball bearings. Operating temperature must be specified, and stainless, standard or "special material" bearings are all available options.

Threads

Since continuous expansion and contraction of metals will cause threaded products to vibrate loose, it is necessary to use an appropriate threadlocker on all setscrews.



Installing block bearing onto equipment

Step 1: Mount block bearing onto machine. Slide locking sleeve into bearing bore. Locking sleeve may be placed against either side of the bearing since the entire block is bearing-grade material (see Fig 17-1). Leave a .005 gap (paper thickness) between the stainless flange of the locking sleeve and the side of the bearing. Apply threadlocker when tightening the setscrews or bolts to insure that the locking sleeve will remain SECURELY in place.

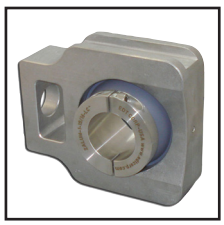
Fig 17-1

Step 2: After the bearings are mounted, and before drives and belts (or other devices) are installed, make sure that the shaft freewheels inside the bearings. If not, the bearing must be shimmed to better align with the shaft. Block bearings have the disadvantage of not being able to adjust internally like a self-aligning bearing, so must be adjusted externally. Attach drive mechanisms and belts only after shaft freewheeling is confirmed.

Step 3: Run equipment. EDT block bearings will run warmer than ball bearings but should never run so warm that you cannot hold your hand on the bearing. If it runs warmer than your hand can tolerate, and Step 2 in the assembly has been accomplished, call the factory and we will help you with troubleshooting. Also, a Troubleshooting Guide is on page O-27 of this manual.

Assembling and installing take-up frame onto equipment

EDT stainless steel take-up frames (Fig 16-1) are designed to bolt or weld directly onto a machine frame. Both narrow and wide slot designs are available which accept all industry standard housings. EDT stainless take-up units are made from a heavy gage of folded stainless sheet metal and will accommodate most loads. Applications with extreme side loading may require a heavier unit. A load large enough to damage a frame will also bend the shaft.



Wide slot installation

The tensioning screw with wide slot housings can be installed either before or after the housing is installed on the rail. The end of the tension screw will reside in the open hole at one end of the housing and extend into the adjustment nut slot. There will be one stainless nut in that slot and another on the tensioning screw outside the housing that will tighten up against the flat end of the housing. The pair of these nuts will keep the screw from moving out of position during operation. All of the stainless hardware is included with the take-up frame when shipped (see Fig 18-2).

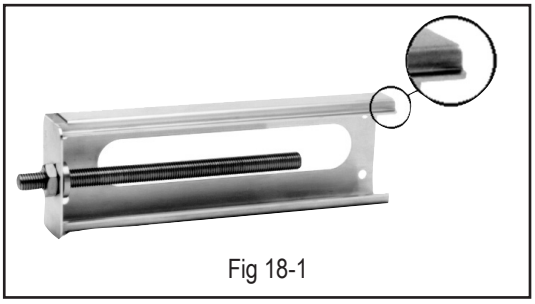


Fig 18-1

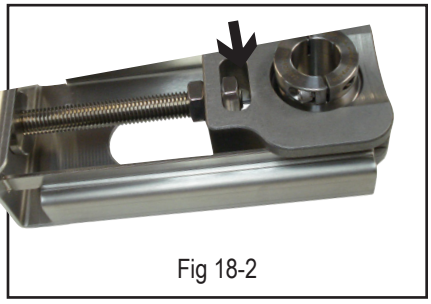
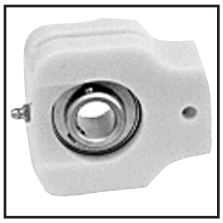


Fig 18-2



Narrow slot installation

The tensioning screw with all narrow slot housings utilizes a split pin to attach the housing. Any split pin installation after the housing is installed in the take-up frame is inviting a failure of the slot and is not recommended. The tensioning screw should first be installed in the housing while the housing can be fully supported behind the pin. This is best accomplished with a small arbor press or a drill press (see Figs 18-3 through 18-6).

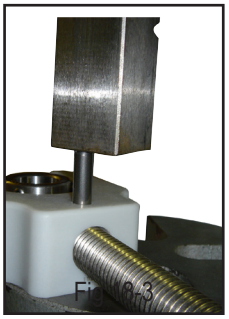


Fig 18-3

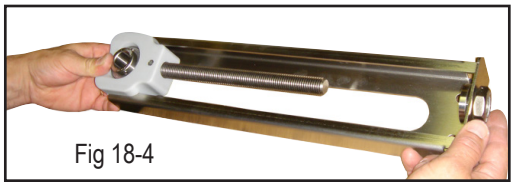


Fig 18-4

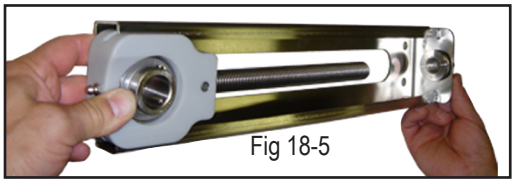


Fig 18-5

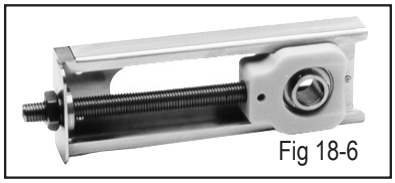
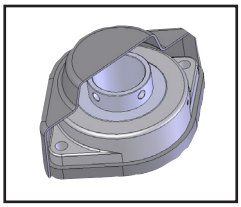


Fig 18-6



Assembling and installing Bearing Glove® onto equipment

The Bearing Glove® surrounds a 2-bolt bearing (typically a ball bearing) with 360° of protection from solid contaminants including:

- Abrasives
- Bulk solids
- Powders

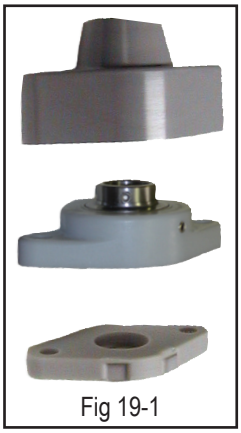


Fig 19-1

The EDT Bearing Glove® is designed to be a self-sufficient installation. The Glove® completely encases the bearing to provide a contaminant-free area of operation around the shaft and bearing. Figure 19-1 shows the three piece assembly of:

- Cover
- Any brand of 2-bolt flange bearing
- Base with seal

The Glove® cover has a built-in tab that snaps over a notch in the base. However, in some applications the tab may not keep the pieces together as securely as required. Some additional assembly options are shown below. Choose the one that best fits your specific application.

Assembly option #1

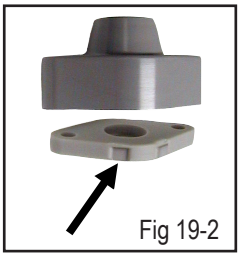


Fig 19-2

Step 1: Bolt bearing and Glove® base to machine frame. Note slot direction on base (see Fig 19-2).

Step 2: Snap Glove® cover over bearing assembly (see Fig 19-2).

Step 3: Some Glove® sizes use push-in fasteners that are supplied.

Assembly option #2

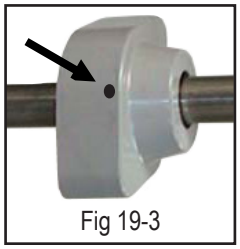


Fig 19-3

Step 1: Assemble Glove® and bearing as in Option 1.

Step 2: Drill a small hole through the wall of the Glove® cover and into the edge of the base (see Fig 19-3).

Step 3: Install self-tapping screw to secure. Use as many screws as you feel are required for your application.

The Glove® is not intended for on/off bearing coverage. Installations that require frequent access to the insert should consider bearing caps.

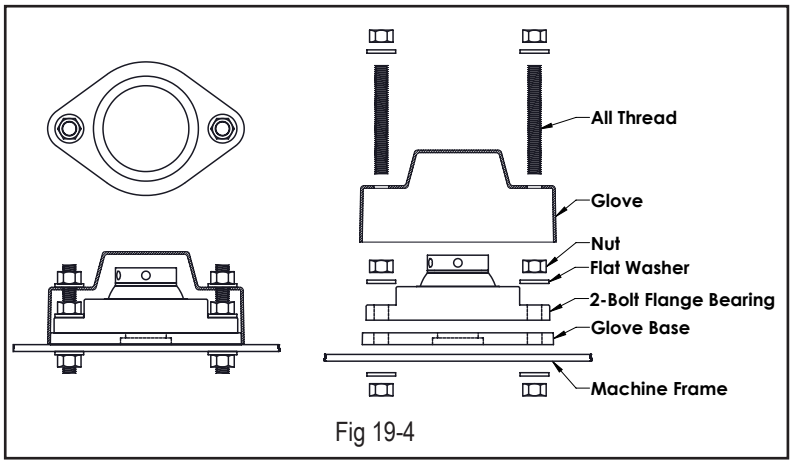
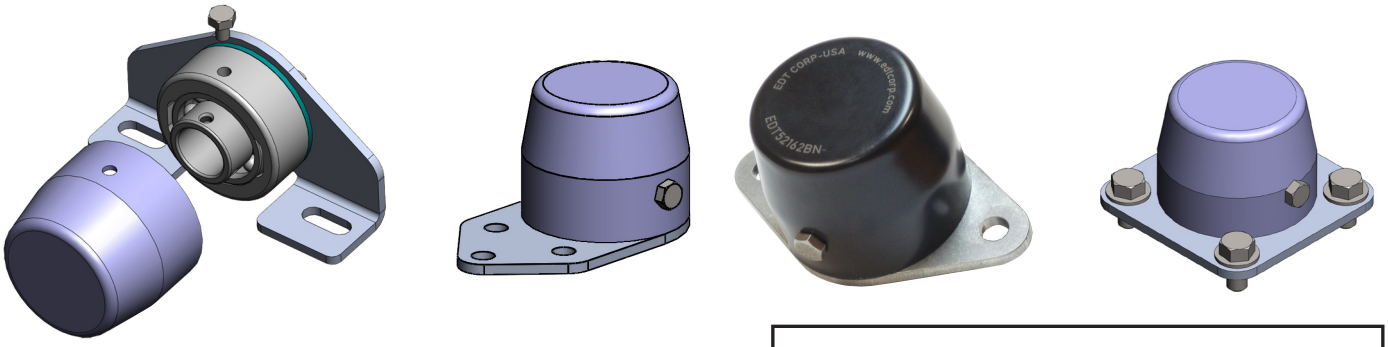
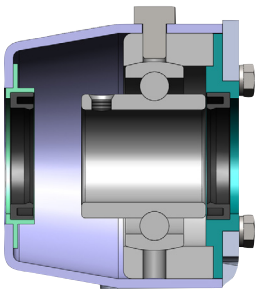


Fig 19-4

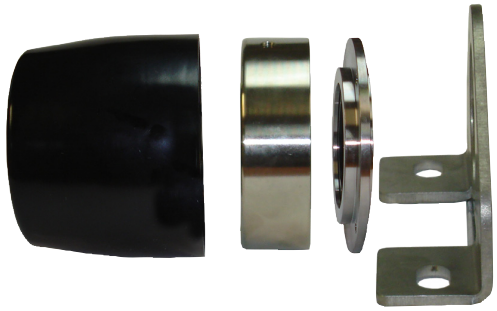
	Qty	C Glove® (205 ring)	F Glove® (208 ring)	H Glove® (210 ring)
ss all-thread	2 ea	7/16" x 2-1/4" long	1/2" X 3" long	1/2" x 3-1/2" long
Drill holes		15/32"	17/32"	17/32"
ss hex nuts	6 ea	7/16"	1/2"	1/2"
ss flat washer	6 ea	7/16"	1/2"	1/2"
Option if packing with grease to keep out liquid contaminants		▪ Add 4 each rubber flat washers. ▪ Drill cover to accept grease fitting. (Take the fitting off the 2-bolt bearing and screw it into the cover.)		

Installing *Glove® 2* with Poly-Round® bearing or ball bearing





Cross section of thru-bore Glove®2 showing
Cover with seal, setscrew lock ball bearing in
Bearing Housing with Seal Ring and seal in Mounting Bracket



Marking on The Glove®2 that you have received indicates the product you have ordered:

EDT	72	23	G	B	N	-	ZY	S
	Housing size (in mm)	ID size (in 16th inch)	Mounting bracket G = Pillow block 2 = 2-Bolt 3 = 3-Bolt 4 = 4-Bolt	Cover style B = Blind T = Thru	Seal N = Nitril seal V = Viton seal		Bearing insert* Ball: Z = Stainless Y = Food grade grease J = food grade solid lubricant Poly-Round® style: Use 2 letter polymer material identifier	Lock device L = DoubleLock® S = Setscrew lock E = Eccentric lock

***A ball bearing is recommended in The Glove®2** and The Glove® because ball bearing more tightly maintains the centerline which is critical to maintain integrity of the seal.*

Step 1 *(Ball bearing Insert* and *Poly-Round® Insert)*

- The Glove®2 assembly that you have received consists of:
  The Bearing insert in the Bearing Housing bolted to the Mounting Bracket with Seal Ring and seal attached.
  The Cover and hardware to assemble Glove® Cover is included but unassembled
- If there is a locking sleeve or eccentric collar, remove this from the assembly.
- Slide the bearing over the shaft. Move assembly into location on the equipment.
- Bolt Mounting Bracket onto equipment – use a flat washer under the head of the mounting bolts.
  - — Do not tighten down the bolts until all of the Glove® assemblies and bearings are in place.
  - — Use of a lock washer is at the discretion of the installer. Lock washer should be installed **above** the flat washer.

(Continues on next page...)

Step 2

Ball Bearing Insert

- For setscrew lock: Back out the setscrew and put a drop of thread-locker on the setscrew.
- For eccentric lock: Back out the setscrew and put a drop of thread-locker on the screw as you screw it tight against the shaft. Use an allen wrench in the setscrew to turn the collar until it seats onto the inner ring of the ball bearing; tighten setscrew against the shaft.

Poly-Round® Insert

- Slide locking sleeve over the shaft and into the bearing.
- Position sleeve flange against one side of the polymer bearing. (Metal of sleeve should NOT contact another metal part.)
- Locate the sleeve flange with .005" gap (thickness of a business card) between the sleeve flange and the polymer side of the bearing.
- Back out the setscrew and put a drop of thread-locker on the setscrew as you screw it tight against the shaft.

Step 3 *(Ball bearing Insert* and *Poly-Round® Insert)*

- After the Glove®2s are all mounted, before the drives, belts, or other devices are connected – **and before the covers are installed** – make sure the shaft free-wheels inside the bearings.
- If shaft does NOT free-wheel, adjust the bearing insert inside the housing or shift the Mounting Brackets as needed to better align with the shaft.
- When shaft free-wheels, tighten the mounting bolts of the Mounting Bracket. Bolt pressure should not exceed 25 to 30 foot/pounds of torque.
- After Mounting Brackets are tightened into place – and before adding the Covers – again verify that shaft free-wheels before adding covers. (If not, loosen bolts and adjust locations as needed.)

Step 4 *(Ball bearing Insert* and *Poly-Round® Insert)*

- Slip Glove®2 Cover over the Bearing Housing. Align hole(s). Install with hardware provided.

Step 5 *(Ball bearing Insert* and *Poly-Round® Insert)*

- Bearing inserts (ball bearings or Poly-Round® or All-Round®) should never be so loose in the Bearing Housing that they are actually free-"self-aligning." Proper bearing fit requires leverage of the shaft to align. Misalignment causes DRAG on the system which generates excess heat that will prematurely fail the bearing inserts.
- Run equipment.

Ball Bearing Insert

- If ball bearing insert runs warmer than your hand can tolerate, check shaft alignment (per Step 3.)

Poly-Round® Insert

- EDT Poly-Round® bearings will run warmer than ball bearings but should never run so warm that you cannot hold your hand onto the bearing. If it runs warmer than your hand can tolerate, check shaft alignment (per Step 3).

To replace worn bearing *(Ball bearing Insert* and *Poly-Round® Insert)*

- Back out the bolt(s) that secure the The Glove®2 cover.
- Remove the Mounting Bracket from the equipment (may not be necessary with pillow blocks).
- Remove the Bearing Housing from the Mounting Bracket.

Ball Bearing Insert

- Roll the bearing out of the bearing housing.
- Roll new ball bearing insert into the Bearing Housing.

Poly-Round® Insert

- Roll the bearing out of the bearing housing.
- Over time, the Poly-Round® insert will wear in the direction of the load. When the centerline is no longer workable, or when the seal will no longer function, replace the Poly-Round® insert.
- Roll Poly-Round® into bearing housing.
- Poly-Round® should be installed with the slot aligned with one of the tapped holes in the Bearing Housing.

(Ball bearing Insert and *Poly-Round® Insert)*

- Straighten the insert in the Bearing Housing to a position that appears to be aligned.
- Screw the bearing housing onto the Mounting Bracket
- Replace the seal as required.
- Follow Steps 2 and 3 to assure the shaft is freewheeling before you tighten The Glove®2 assembly to the equipment.
- Reattach the Glove®2 (step 4).

Special Application Conditions

Many bearing applications fall out of “the norm” and often there is no choice except to change the product or break the generally accepted rules of design to accommodate these difficult conditions. Here are some difficult conditions in which EDT bearings have been called upon, and suggestions to extend bearing life as long as possible. These recommendations are based on the premise that “ambient temperature” is 70°F.

Abrasion

All moving parts (bearings, by their nature, allow parts to move) are affected by solid abrasives. It is impossible to predict the longevity of any specific product, including an EDT bearing, in a solid abrasive environment because there are so many unknown factors involved. Take, for example, salt. It is both hard and soft, smooth and rough-edged, and different colors. Typically, bearing seals are called upon to combat abrasives, but even the best bearing seals are a compromise because bearings need to allow parts to move against each other and in so doing, the seal is not tight. The best option for extending bearing life in abrasives is to cover up the bearing.

For this, EDT developed the Bearing Glove® (see Fig 22-1) that completely encapsulates the bearing and housing with a sealed plate on the bottom and a sealed cover on the top. This device is very effective, and is even more effective if it is filled with grease. The stationary grease captured by the Glove® cover is nearly 100% effective. Any bearing mounted inside the Glove® does not require lubrication for the life of the product. Like all EDT products, the Glove® is designed to accommodate all other industry standard designs.

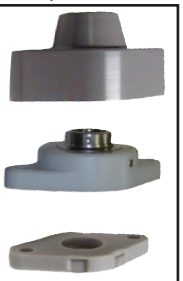


Fig 22-1

The Glove® is designed to mate with 2-bolt flange housings. Since the diagonal distance across the bolt holes of a 4-bolt flange are the same as a 2-bolt flange, a 2-bolt Glove® can be used to retrofit 4-bolt locations. An optional stainless angle allows 2-bolt flange housings to be mounted upright, like pillow blocks, so the 2-bolt Glove® can also retrofit for pillow blocks (see Fig 22-2). With the Glove®, three styles of bearings can accommodate complete exclusion of solid contaminants.

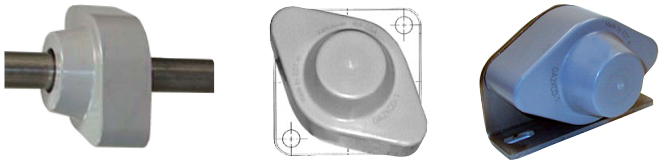


Fig 22-2

Cold

Cold operations generally fall into the two categories of below -40° or above -40°. If ammonia refrigerant is used, the application will never be below -40°. (Note that -40°F and -40°C are the same temperature.)

All of EDT’s standard catalog bearings can be used in freezers down to -40°. There are no material restrictions or bore changes required at this low temperature, but the Poly-Round® style of bearing is generally better than the All-Round® bearing unless there are other unique application considerations.

For applications below -40°, it is important to inform EDT of the temperature requirement at time of order because changes in dimensions and materials may be necessary.

- No polymer bearing housings, including EDT’s “KG” material housing, should ever be used below -40°.
- No ALL-ROUND® style bearings should ever be used below -40°.
- Use only steel or stainless steel housings.
- Use only Poly-Round® bearings with “Below Temp” bore dimensions. Note this requirement in the part number of the bearing by adding suffix “B” (i.e. NA2GC7-1**B**) for below temp installation.

Stainless housings and Poly-Round® bearings can be used with ALL kinds of refrigerants including carbon dioxide and nitrogen.

- It is NEVER wise to use a lubricant in a low temperature freezer (the congealed grease will shorten the life of the bearing). For high speed or high tension low temperature locations, consider EDT’s low temperature solid lubricated ball bearings.
- ALWAYS use a threadlocker on all setscrews on rotating equipment.

EDT’s Sales and Engineering staff can assist with selecting the right bearing product for your low temperature needs.

Continues on next page...

Heat

Heated locations like dryers, ovens and fryers are very common in many industries as food is cooked, bulk chemicals dried, fiber glass baked, and heat-treated metal parts quenched, etc. In high temperature applications, the expansion of different materials relative to each other causes design difficulties and must be addressed in the bearings that allow these heated devices to move.

Materials expand with increasing levels of temperature and things that are fixed at both ends of an expanding material will break. It is for this reason that expansion bearings came about. EDT's plane bearings work very well in high temperature conditions with a fixed bearing on the drive side of a device and an expanding bearing on the opposite side (see Fig 23-1).

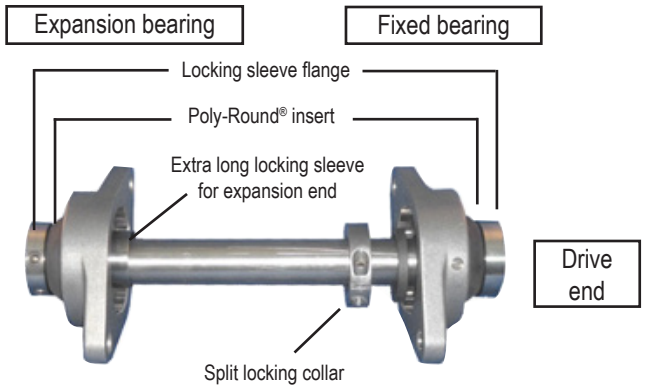


Fig 23-1

The **fixed bearing** should be an EDT Poly-Round® out of a high temperature material in a metal housing with a locking sleeve flange on one side of the bearing and a split set collar on the opposite side of the same bearing. This allows control of the lateral movement of the shaft to be contained by just the one bearing. The opposite **expansion bearing** should be a Poly-Round® insert with an extended length body locking sleeve. The locking sleeve fixed to the shaft now has a longer journal to accommodate the expansion of the shaft as temperature increases. The flange of the locking sleeve of the floating end bearing must be on the outboard side of the oven (see Fig 23-1). (Call EDT if space limitations require inside mount.)

Fryer bearings associated with food processing must, in most cases, be approved as a "food ingredient." EDT's FA bearing material makes the grade for temperature (operates to 500°F), for USDA/FDA criteria and for ease-of-maintenance. As with all other high-temperature applications, this must be in a Poly-Round® style.

High temperature locations with high speed or tension (flat belt take-ups, pumps, fans operating above 300°F ambient temperature) will be well served with high temperature, solid lubricated ball bearings. Operating temperature must be specified and stainless, standard or "special material" bearings are all available options.

Since continuous expansion and contraction of metals will cause threaded products to vibrate loose, it is necessary to use an appropriate threadlocker on all setscrews. With few exceptions, lubricants of all kinds should never be applied in hot applications.

Horizontal shafts

The most common mounting orientation for shafting is horizontal. Mainly because of gravity it is easier to manage this orientation. All bearings must generally do three things:

1. Maintain shaft centerline
2. Allow movement in some direction and speed
3. Control shaft movement laterally through the bearing.

When horizontal, item 3 is much more manageable and causes less maintenance headaches.

Mounted ball bearings will generally have an extended inner ring with some type of mechanism for "gripping" the shaft which could be setscrews at 90° or a squeeze- or cam- lock mechanism. This will control the lateral movement of the shaft.

Plane bearings offer their own special challenges. In some applications, shafts are held in place by another machinery-specific mechanism while in others, a separate device is required. Sometimes, a separate locking collar that limits the movement opposite the direction of the collar is used. But EDT uses a built-in

Continues on next page...

flange on the locking sleeve to do that job. The fact that there are usually two bearings on a shaft allows the locking sleeve flange to be faced the opposite direction in order to control the shaft in both directions. On all horizontal installations, the location of the locking sleeve can be determined by the installer, but must either BOTH BE OUTSIDE OR BOTH BE INSIDE of the bearing (see Fig 24-1). Apply threadlocker when tightening the setscrews to insure that the locking sleeve will remain SECURELY in place.

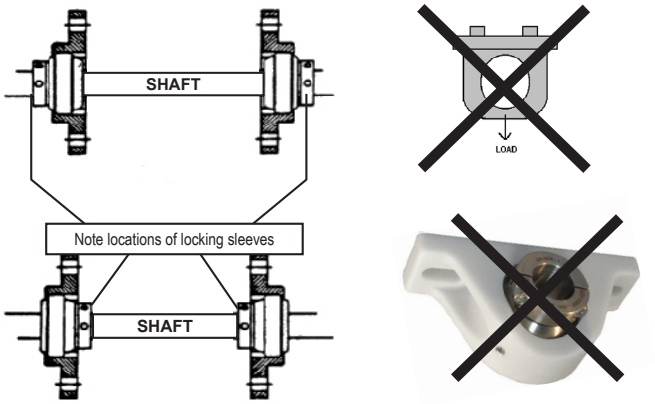


Fig 24-1

An additional benefit of the locking sleeve is to control the surface finish of the journal under the bearing, which significantly extends the life of the bearing.

Whenever possible, it is best to avoid mounting pillow blocks in an upside down position. If the design does not allow an upright mounting, then a metal housing is recommended.

Bearing position in drive design

Some drive designs are easier on bearings than others. Many systems are designed with a cantilevered drive, but this type of design loads the bearing unevenly. Whenever possible, drives should be placed BETWEEN a pair of bearings. If a cantilevered design is required, the pair of bearings supporting that drive shaft should be separated as far apart as practical.

Whenever possible, shaft mounted gear reducers should have some support that relieves the cantilevered shaft as the sole support.

Restricted spaces

In an attempt to continually make things smaller and compact, designers have to find ways to either buy smaller components, or to manage the orientation of components into smaller spaces. In some cases, this involves retrofits that reduce or eliminate the need for other design changes. EDT has designed this versatility into all of our bearing products.

EDT self-aligning bearings are not symmetrical around the major O.D. so they can be reversed in the housing which changes a design dimension without compromising the design load or requiring redesign of the product. This allows EDT bearings to retrofit into locations where other bearings will not physically fit without design changes to the rest of the equipment. EDT Locking Sleeves can also be installed from either the right or the left of every bearing which gives added flexibility to the installer. The combination of parts flexibility results in a total of four installation options that can be readily adjusted in the field (see Fig 24-2).

General maintenance and lubrication are growing problems as the equipment density of floor space increases in processing and manufacturing plants. EDT products reduce or eliminate lubrication and eliminate the catastrophic failure that often occurs with rolling element bearings in harsh environments. EDT bearings can reduce the unplanned maintenance that is required under extreme environments, which in turn reduces the overall cost of operations. Elimination of lubrication can reduce machine clutter because central lubrication systems can be eliminated.

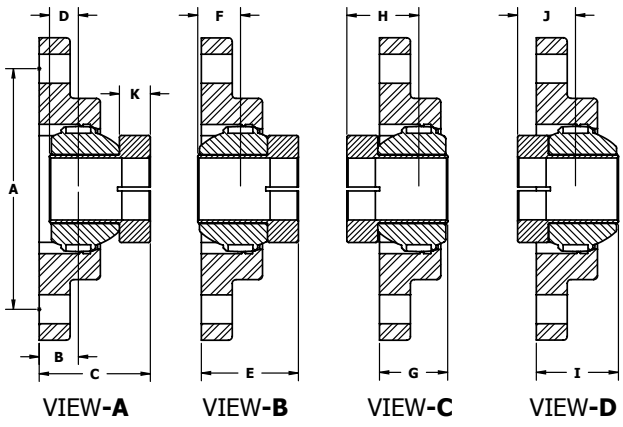


Fig 24-2

Continues on next page...

Vertical shafts

Vertical shaft applications for rolling element and plane bearings must be carefully considered. There can be problems if details are not anticipated or are overlooked. For rolling element bearings, a tapered roller or an angular contact product is specified on many occasions because of their thrust capabilities.

For plane bearings, the same details that must be known for rolling element bearings apply. On plane bearings, the thrust surface is provided by either the full face of the bearing (in the case of EDT's Poly-Round® bearings) or on the polymer flange (in the case of EDT's ALL-ROUND® series). With both of these bearing styles, the thrust surface and the flange of the Locking Sleeve must be ON TOP of all of the bearings (see Fig 25-1). One bearing is chosen to be the first installed and the flange of the Locking Sleeve will be in full contact with the bearing. For all subsequent bearings on the same shaft, the flange of the Locking Sleeves will also have full contact. After the required "freewheel spin" to test for any misalignment, the units can be locked down and the drives connected. To prevent problems that often occur on vertical shafting, a final safety precaution is required: A SPLIT set collar must be placed directly on top of each locking sleeve flange to insure the shaft remains securely in the bearing despite load and vibration that would loosen the set screws on the flange of the locking sleeve (see Fig 25-1).

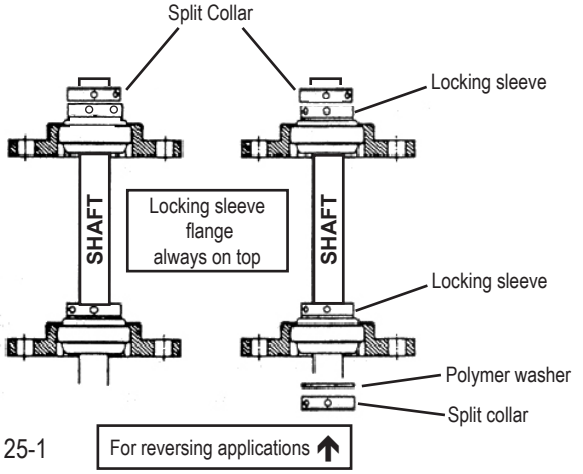


Fig 25-1

It is necessary to use an appropriate threadlocker on ALL setscrews because the continuous expansion and contraction of metals, however slight, cause threaded products to vibrate loose.

For reversing vertical applications with an All-Round® bearing assembly, a polymer thrust washer and split locking collar will be required below one bearing assembly (see Fig 25-1).

Vibration & impact

Vibration and impact cause problems in multiple ways. These problems manifest themselves differently under varying conditions, so they are addressed here separately.

How **vibration** affects any bearing will depend on the frequency and amplitude (intensity) of the motion. A plane bearing operates with freeplay in the bearing so it can rotate or slide. This freeplay allows the shaft to shuttle back and forth in the bearing which can cause damage to the bearing and possibly to the machine. Freeplay can be a major source of heat in a bearing that can lead to early failure.

Rolling element bearings encounter this same freeplay action, although to a much lesser degree. The condition of the bearing races quickly become a serious issue when the shaft is loaded and then unloaded in the bearing; in some cases, this will cause the races to crack and fail.

Clearly, it is best to try to identify the source of the vibration and control it at the source as much as is possible. If that cannot be done, then high frequency vibration is most effectively handled by utilizing a preloaded rolling element bearing.

Impact load is different from higher frequency vibration and is generally better handled with plane bearings than ball bearings. There are a lot of issues to be considered here such as the choice of material that is necessary to perform in other parameters of the application. As a rule of thumb, higher performing materials are harder and more brittle while lower performing materials generally are softer and much more impact resistant. Fortunately, high impact situations usually do not require use of higher performing materials.

Rolling element bearings have hardened races in order to support the movement within ball bearings – the end result of hardening is more brittleness. Impact applications are normally solved with plane bearings than with rolling element bearings. As with all other harsh applications, vibration and impact will loosen setscrews, so an appropriate threadlocker is required.

Installation and General Information about EDT Bearings

General installation

Plane bearings and ball bearings must be set up properly in order to get the maximum design life out of each. One installation advantage of a plane bearing over a ball bearing is that, with a plane bearing, there is greater opportunity to detect an out-of-alignment condition before the equipment is put into operation. For each style of bearing, this is addressed in the Installation Instructions (pages O-8 through O-21 of this manual). Always apply threadlocker to locking sleeve setscrews to insure that the locking sleeve will remain SECURELY in place.

New installations

Check new installations at start-up, and periodically for next couple hours.

> There is a problem if there is noise or if bearing is too hot to touch. For Troubleshooting Guide see page O-29.

Then check monthly or quarterly that:

- Locking sleeve stays in place
- Polymer is wearing evenly

Dusty environments

In dusty and abrasive environments Forsheda V-ring seals work well to increase bearing life by reducing the exposure to contaminants. Your local EDT bearing distributor will be able to supply you with Forsheda seals. EDT's Bearing Glove® offers 360° protection around 3 kinds of mounted bearings. Refer to catalog or website section I-Misc Products and see page U-18 and 19 in this manual. Lubrication is never recommended for installations in dusty or abrasive environments because the lubricant will attract the dust and create an abrasive paste that will be more detrimental to the operation of the bearing.

Bearing failure is caused by heat

Plane bearings fail because heat is generated faster than it can be dissipated and exceeds the long term temperature tolerance of the material. Maximum bearing life and cost effectiveness can be achieved by keeping plane bearings cool (artificial means such as water, other processing fluid, cooler air, metal housing) OR by upgrading the bearing material. Bearing failure due to heat can occur from any number of conditions, including:

- Use of plastic set collar to control thrust loads
- High loads
- High speeds
- High ambient temperature
- Out of round or bent shafting
- Poor shaft surface finish
- Edge loading caused by misalignment
- Poor bearing design for application
- Inappropriate material selection for application
- Some Special Application Conditions exist (see pages O-22 through O-25) that may not be sufficiently addressed

A secondary reason for plane bearing failure could be a chemical attack on the material that deteriorated the physical properties of the bearing. This will manifest itself primarily in three ways:

- Discoloration in areas of chemical attack
- Softening of the material surface
- Swelling of material or other slight changes in shape or configuration.

Ways to Increase Bearing Performance

Action	Result
Submersion in any liquid cooler than the normal operating temperature of the bearing	Helps to dissipate heat away from the polymer bearing
Lubrication (look under Special Application Conditions, pages O-22 thru O-25)	Lowers coefficient of friction and abrasion; reduces heat generation
Seal out solid contaminants (dirt, dust, chemicals, food processing powders, etc.)	Lowers coefficient of friction and abrasion; reduces heat generation
Improve shaft surface finish or install EDT locking sleeve (optimize at 10–12 RMS)	Lowers coefficient of friction and abrasion; reduces heat generation
Eliminate plastic locking collar; replace with stainless steel locking collar	Helps to dissipate heat from the polymer bearing
Upgrade polymer bearing material	Increases PV operating range; increases material's high temperature capacity; reduces chemical attack
Isolate from heat source by relocating or insulating bearing	Increases margin of PV available for application
Design power transmission drive so bearings evenly carry the load rather than the load being cantilevered	Better load distribution lowers PV and reduces heat generation
Check that locking sleeve is fully installed in bearing	Better load distribution lowers PV and reduces heat generation

Installation difficulties

If you have difficulty assembling spherical bearings into housings, or flange polymer bearings into ALL-ROUND® inserts, call the factory or your EDT representative for assistance. Polymer parts should be well chilled prior to installation for easiest assembly. Do not force units together if the installation does not go smoothly. In this respect EDT bearing installations are no different than radial ball bearing installations.

Test the mating parts prior to full installation by performing the following procedure:

1. Install the spherical insert into the installation slots in the spherical housing.
2. Using both hands, hold the bearing between your fingers like a key and turn the bearing in the housing like a key in a lock. (Do not use a separate tool to assist.) A bearing that fits properly will turn around in the housing until it reaches the original starting point (Fig 27-1). If it does not, check the following conditions:
   - Out-of-round housing
   - Out-of-round bearing
   - Tolerance mismatched of housing and bearing
   - Burr on I.D. of housing
   - Burr on O.D. of bearing
   - Loading slots not extended to centerline of spherical I.D. of housing.

Note: EDT self-aligning bearings should fit snugly but do not need to fit tight into the housing when they are swiveled into the final working position. They must be tight enough to prevent rotation of the bearing in the housing. A setscrew into the anti-rotation slot on the bearing O.D. insures that no rotation can occur.

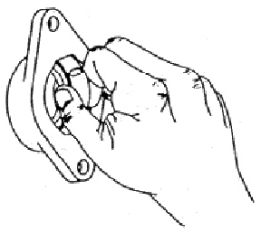
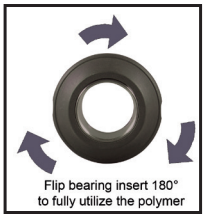


Fig 27-1

Maintenance and Lubrication of EDT Bearings

EDT Bearing Style	Lubrication	Start-up and General Maintenance
Poly-Round® bearings	None required	▪ Should free-wheel on initial installation ▪ Should never get too hot to touch, but will run warmer than a ball bearing (outside of oven) ▪ Locking sleeve must be flush against bearing (with paper-thick gap), and all setscrews must have threadlocker ▪ When bearing wall is worn too far in one direction, remove and reinstall insert at 180º  Flip bearing insert 180° to fully utilize the polymer
Polymer block bearings	None required	▪ Should free-wheel on initial installation ▪ Should never get too hot to touch, but will run warmer than a ball bearing ▪ Locking sleeve must be flush against bearing (with paper-thick gap), and all setscrews must have threadlocker
ALL-ROUND® bearing (spherical and ER-style)	None required	▪ Should free-wheel on initial installation ▪ Should never get too hot to touch, but will run warmer than a ball bearing (outside of oven) ▪ Locking sleeve must be flush against the polymer flange of the bearing “liner” (with paper-thick gap), and all setscrews must have threadlocker ▪ Replace bearing when polymer bearing “liner” wall has been reduced by 3/4 or when shaft centerline is a problem
Radial Poly-Round®	None required	▪ Should free-wheel on initial installation ▪ Should never get too hot to touch but will run warmer than a ball bearing (outside of oven) ▪ Replace bearing when shaft centerline is a problem
Solid lubricated ball bearing	None required	▪ Should free-wheel on initial installation ▪ Use threadlocker with all setscrews ▪ Should never get too hot to touch ▪ Replace bearing when temperature gets too hot or when bearing makes unusual noise or chatter
Re-grease-able stainless ball bearing	As application conditions require	▪ Grease and seals prevent free-wheeling ▪ Use threadlocker with all setscrews ▪ Should never get too hot to touch (outside of oven) ▪ Replace bearing when temperature gets too hot or when bearing makes unusual noise or chatter

Troubleshooting EDT Bearings

Problem	Cause
Cracked or broken flange on ALL-ROUND® polymer bearing	▪ Anti-rotation setscrew locked and not allowing spherical insert to properly align ▪ High impact in radial or thrust direction ▪ Locking sleeves positioned and locked too close to the polymer flanges in high heat applications – when heat is removed and shaft shrinks, the locking sleeves pinch the bearing ▪ Centerline of bearing not lined up with shaft centerline (edge loading)
Excessive heat accumulating in ALL-ROUND® bearing	▪ Polymer bearing material not suited for application ▪ Centerline of bearing not lined up with shaft centerline (edge loading) ▪ Locking sleeve flange mounted too close to polymer bearing ▪ Locking sleeve mounted on wrong side of polymer flange and making metal-to-metal contact with stainless steel insert ▪ Excessive buildup of contaminants in bearing ▪ Chemical deterioration ▪ Locking sleeve flange is improperly making contact with a fixed object
Excessive heat accumulating in Poly-Round® insert or block bearing	▪ Anti-rotation setscrew locked and not allowing spherical insert to self-align ▪ Locking sleeve flange mounted too close to polymer bearing ▪ Polymer bearing material not suited for application ▪ Improper bore clearances ▪ Chemical deterioration ▪ Excessive buildup of contaminants in bearing ▪ Centerline of bearing is not in line with shaft centerline (edge-loading) ▪ Locking sleeve flange is improperly making contact with a non-rotating machine part
Locking sleeve moving out of position	▪ Excessive thrust loading on bearing ▪ Undersized shaft for DoubleLock® ▪ Improper torque rating on screws ▪ Loctite® or other thread locker not used ▪ Back-up split set collar not installed behind locking sleeve flange
Ball bearing with excessive noise, vibration, or heat	▪ Bearing is not aligned properly with shaft ▪ Too much grease packed in bearing ▪ Too little grease in bearing ▪ Races or balls damaged during installation ▪ Brinelling, spalling, surface contamination, corrosion, fit too loose or too tight. (See Google search for “ball bearing failure.”)

Questions or concerns about EDT products? Please call the factory at:

360-574-7294

Monday - Friday 7:00 a.m. to 5:00 p.m. Pacific Time (Vancouver, Washington USA)

ENGINEERING NOTES