



COMPANY OVERVIEW

Transforming metal into engineered bearing solutions. That's what Lutco is all about.

From consumer lawn mowers to farm combines, from boat trailers to tractor trailer landing gear, Lutco products can be found improving performance. Lutco has been designing and making bearing solutions for more than 60 years. Innovation and solutions drive demand for our products, services and expertise. Our company wide commitment to quality products, competitive prices, innovative designs, and superior customer service provides an unparalleled value package for our customers. All of our products are proudly made in the USA.

MISSION STATEMENT

Lutco is a family owned business whose progress is the result of integrity and a mutually beneficial partnership with customers, employees and stockholders.

We manufacture quality unground ball bearings and special metal stampings. Our team is committed to unique technical innovation and continuous improvement in all aspects of our business.

Our success is based upon a culture of tradition, customer satisfaction, TQM, productivity, teamwork and financial strength.

QUALITY COMMITMENT

Lutco, Inc. has been recognized for supplying superior bearings and special metal stampings to OEMs and distributors around the globe. Our unparalleled reputation for customer satisfaction and quality is a product of the company's skilled workforce, quality assurance system, continuous improvement philosophy, and the commitment to quality by the entire Lutco team. We continuously strive to provide products and services that meet or exceed all customer expectations for quality, delivery, reliability, value, service, and safety. Quality is regarded as a critical factor affecting the company's long-term performance and basic to our objective of delighting our customers.

Lutco is registered to the ISO 9001:2008 quality system.

WHAT WE MANUFACTURE

Lutco, Inc is a global supplier of quality semi-precision bearings, metal stampings and housed bearing assemblies with leading positions within its markets. We serve a diverse customer base in major industrial markets including Farm Machinery, Consumer Durables, Material Handling, Trucking, Industrial Equipment and Recreational Vehicles. Lutco's wide selection of products includes:

- **Ball Bearings** Unground full complement ball bearings in radial, thrust or angular contact styles.
- Housed Bearing Assemblies Ball bearings assembled into pressed metal stampings. Various configurations with and without self-alignment feature are available.
- Flangettes Pressed steel bearing housings offered in two bolt, three and four bolt round, triangular, four bolt square and relubricatable types.
- **Pillow Blocks** Two piece separable stamped steel housing with spherical bearing seat.
- Bearing/Sprocket Assembles Wide range of unitized bearing/sprocket assemblies incorporating components such as powder metal couplers, springs, and plastic handles.
- **Cam Followers** Specialty unground, standard stud ball bearing cam followers.
- **Custom Designed Bearings** Lutco produces a wide range of custom bearings and value added assemblies for specific applications.

LUTCO UNGROUND BALL BEARINGS

Lutco unground ball bearings are designed for applications where speeds and loads are moderate and where noise level requirements and running accuracy do not justify using more expensive precision ground bearings. Since these full complement bearings have unground raceways, the recommended maximum continuous speed is 700 rpm.

LIMITED WARRANTY

Lutco products are warranted for defects in material and workmanship under normal use and maintenance for a period not to exceed one year from receipt of shipment and for a value not to exceed the purchase price. No other warranty is in effect.



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Lutco Bearing Design Information

The following design information is intended to be a general guide. For more specific information, please call the factory.

Full Complement of Balls

A full complement of balls offers more contact between the balls and races. This results in more resistance to brinelling from shock loads. Carbon balls are standard. Alternate ball materials are available upon request. The grades of balls used range from 200 to 1000 depending on the specific application.

Internal Clearance (Radial & Axial)

LUTCO's standard radial play is .002"/.008". Axial play is .005"/.020", depending on the size of the bearing.

Lubrication

LUTCO's standard grease has a temperature range of -30° F to $+325^{\circ}$ F. Other greases are available upon request.

Heat Treating

LUTCO's heat treating processes include carburizing and carbonitriding. Inner and outer race surface hard-ness specification is Rc 59–63.

Loads and Speeds

See pages 33 and 34 for specifics on loads and speeds.

Set Screws

The standard construction provides two ¼"–28 cup point socket set screws spaced 120° apart. For severe applications, special lock patch, serrated point, or other set screw designs are available. Recommended set screw torque is 60 in-lbs.

Eccentric Locking Collar

LUTCO bearings are available with the same style eccentric locking collars as precision bearings.

Special Locking Devices

Keyways and cross drilled holes for pinning are among many available options depending upon application requirements.

Plating

Lutco products utilize trivalent passivate plating per ASTM Standard B633-11 Type V and Type VI which eliminates the use of hexavalent chromate and is RoHS compliant.

LUTCO Bearing Construction

LUTCO radial bearings consist of a full complement of precision steel balls, a machined inner race and a pair of cold formed outer races captured by a soft steel jacket. This design allows for retained seals, and extra deep raceways. The jacket on the OD allows for the bearing to be pressed into a housing made without close tolerances.



Mounting Instructions for LUTCO Ball Bearings





- 1. When mounting a LUTCO ball bearing into a housing, pressure must be applied to the outer race, (A-A). Allow clearance for any seal step.
- 2. When mounting a LUTCO ball bearing onto a shaft, pressure must be applied to the inner race (B-B).
- 3. When mounting a LUTCO ball bearing into a housing and onto a shaft simultaneously, equal pressure must be applied to both outer and inner race.
- 4. A 1/32 inch minimum chamfer on housing (C) is required to ensure proper seating of bearing.
- 5. Recommended housing tolerance: from bearing OD low limit –.001"/–.005"



Seal/Shield Options

LUTCO is the leader in sealed, full complement, unground bearings, servicing the needs of a wide range of industries. LUTCO provides various sealing and shielding options to meet challenging environmental demands. Seal/Shield designations are listed in the suffix of LUTCO bearing designs. See below for common options or call the factory for special applications.



PP Double Seal This is our standard seal. The design is a single piece HY-CARR rubber seal.



P Single Seal

This is our standard seal. The design is a single piece HY-CARR rubber seal on flange side.



PP2 Super Seal Recommended where severe conditions require superior sealing. Seal construction includes a two piece BUNA N rubber with a NYLON GS backing.



P2 Super Seal

Recommended where severe conditions require superior sealing on flange side. Seal construction includes a two piece BUNA N rubber with a NYLON GS backing.



NPP Nylon Double Shield Recommended for light seal drag applications, grease retention, and minimal environmental protection.



NP Nylon Single Shield

Recommended for light seal drag applications, grease retention, and minimal environmental protection. Nylon shield on flange side only.



MPP Double Shielded Steel shields on both sides.



MP Single Shielded Steel shield on flange side only.



PP3 Molded Shield Available on select sizes. The design consists of a one piece NITRILE rubber which is molded to a stepped steel shield.



Bearing and Flangette Identification

Bearing Numbering System

CLASS	O.D. SIZE	ТҮРЕ	VARIATION	FINISH	BORE SIZE	SEALING	SUFFIX
Standard (No Prefix) HD – Heavy Duty C – Conveyor A – Non- Standard O.D. M – Metric	in 1/32" increments ** see chart below	F – Flanged R – Radial/ Cylindrical SR – Spherical AC – Angular Contact T – Thrust BR – Bearing Roller	 A – Non-Standard Cone Extension H – Hex Bore S – Square Bore AX – Set Screw CX – Pin Type AL – Set Screw 	Z – Zinc & Black Oxide B – Brass Y – Yellow Zinc YZ – Yellow Zinc & Black Oxide	in 1/64" increments ** see chart below	MP – Single Shield MPP– Double Shield P – Single Rubber PP2 – Super NP – Single Nylon NPP– Double Nylon T – Single Teflon TT – Double Teflon P2 – Single Super P3 – Single Molded Rubber PP3 – Double Molded Rubber	LP – Locking Patch Screw MC – Eccentric Locking Collar

EXAMPLE: HD64FAZ48AMPP

HD	64	F	А	Z	48	А	MPP
Heavy Duty	2" O.D.	Flanged	Non-Standard Inner Ring	Plated	3/4" Bore	Non-Standard	Double Shield
	Extension					Bore	

**** Bearing O.D. and I.D. Conversion**

Bearing O O.D. Size	D. Conversions Inch Equivalent
28	7⁄8
36	1 1/8
44	1%
M44	1.378
48	1½
56	1 ¾
M59	1.850
64	2
M65	2.047
M78	2.441
80	21/2

Bearing I.D Bore Size). Conversions Inch Equivalent
24	3%8
28	7⁄16
32	1/2
36	9/16
40	5/8
44	11/16
48	3/4
52	¹³ ⁄16
56	7⁄8
60	¹⁵ ⁄ ₁₆
64	1"
65	1 ¹ ⁄ ₆₄
68	1 ¹ / ₁₆
72	11/8
76	1 ³ ⁄ ₁₆
80	1 1⁄4

Flangette Numbering System

CLASS	BEARING SIZE	ТҮРЕ	VARIATION	FINISH
Standard (NoPrefix)	Spherical Bearing	MS – Non-Relube	No Number – Standard	ZP – Zinc with Clear
G – Relube	0. <i>D</i> . IN M.M.	MSA – Relube with Fitting MSB – Relube, Mating Flange to MSA	Number – Non-Standard	YZP – Zinc with Yellow Chromate
T – Torque Rated		MST – 2 Bolt		
		MSTR – 3 Bolt Thangular MS-S – Non-Relube Square		
		MSA-S – Relube Square with		
		MSB-S – Relube Square, Mating Flange to MSA-S		
		PB – Pillow Block PBS – Pillow Block Stand MSTU – Take-up Units		

EXAMPLE: TG80MSA-S8YZP



Industrial Thrust Bearings

- Inch dimensional bearings
- Full complement of balls for
- maximum bearing capacity
- Case carburized raceways for high wear resistance
- Grease packed
- Optional materials available Various platings available for
- protection against corrosion
- Max Speed 700 rpm





		BALLS	BRG	STATIC LOAD			
BEARING NO.	Α	В	С	D	NOSIZE	Wt. Lbs. Ea	LBS.
S20TB21	.323/.327	.323/.327	.281/.285	.625/.630	11-1/8	.014	
27T16	.250/.270	.265/.285	.323/.343	0.844	10-5/32	.030	3,600
28T29	.453/.463	.468/.488	.271/.291	0.859	15-1/8	.022	3,100
32T32	.500/.510	.515/.535	.334/.354	1.000	12-3/16	.038	12,000
33T24	.375/.385	.390/.410	.349/.369	1.047	14-5/32	.052	5,000
36T40	.625/.635	.646/.666	.334/.354	1.125	16-5/32	.044	9,100
A40TA32	.500/.510	.515/.535	.427/.447	1.265	10-1/4	.090	16,000
45T48A	.758/.773	.758/.773	.443/.463	1.406	15-7/32	.095	18,600
46T40	.625/.635	.646/.666	.443/.463	1.422	12-1/4	.106	19,200
53T48	.750/.760	.765/.785	.535/.555	1.656	15–1/4	.180	24,000
56T65	1.016/1.026	1.021/1.041	.615/.635	1.750	16-1/4	.225	25,600
60T56	.875/.885	.890/.910	.584/.604	1.891	17-1/4	.264	27,200
63T64	1.000/1.010	1.021/1.041	.615/.635	1.969	18-1/4	.292	28,800
63T68	1.063/1.073	1.084/1.104	.615/.635	1.969	18-1/4	.272	28,800
64T56	.876/.886	.937/.952	.620/.640	2.000	12-3/8	.305	32,000
64T64	1.065/1.085	1.010/1.020	.620/.640	2.000	12-3/8	.282	32,000
64TA64	1.000/1.020	1.000/1.020	.620/.640	2.000	12-3/8	.294	32,000
64TN64	1.000/1.020	1.065/1.085	.620/.640	2.000	12-3/8	.278	32,000
67T72	1.125/1.135	1.140/1.160	.615/.635	2.094	19-1/4	.308	30,400
70T86A	1.347/1.362	1.347/1.362	.615/.635	2.156	17-5/16	.280	43,500
80TA72A	1.104/1.124	1.140/1.160	.706/.726	2.500	12-7/16	.550	88,000
80T76C	1.185/1.205	1.185/1.205	.756/.776	2.500	12–7/16	.564	88,000
80T81D	1.255/1.275	1.255/1.275	.756/.776	2.500	12-7/16	.564	88,000
83T96	1.500/1.510	1.515/1.535	.615/.635	2.594	25-1/4	.454	40,000
84T68B	1.071/1.080	1.071/1.091	.756/.776	2.625	12–7/16	.672	88,000
84T76C	1.185/1.205	1.185/1.205	.756/.776	2.625	12–7/16	.676	88,000
84T81D	1.255/1.275	1.255/1.275	.756/.776	2.625	12–7/16	.635	88,000
88T107C	1.673/1.693	1.740/1.760	.740/.760	2.750	21-5/16	.656	53,800
90T81B	1.255/1.275	1.310/1.330	.756/.776	2.812	14–7/16	.684	102,200
94T128	2.010/2.030	2.010/2.030	.620/.640	2.937	20–3/8	.440	53,600
A94T128	2.010/2.030	2.010/2.030	.490/.510	2.937	30–1/4	.342	28,800
99T112C	1.750/1.770	1.781/1.801	.803/.823	3.094	17-7/16	.794	124,600
107T128C	2.000/2.020	2.030/2.050	.803/.823	3.344	18-7/16	.876	132,000

Special Thrust Bearings

С





DIMENSIONS BALLS BRG TYPE BEARING NO. В С D NO. SIZE Wt. Lbs. Ea. Α 18TS18AB .282/.286 .282/.286 .281/.285 10-1/8 .572/.575 .010 A22TS20AB 23TB24A 18TBA16 S18TBA18 .305/.309 .380/.385 .305/.309 .380/.385 .324/.328 .285/.305 .675/.677 .723/.733 13-1/8 13-1/8 .018 .016 Т .282/.286 .253/.259 .250/.260 .276/.286 .570/.580 .572/.582 10-1/8 14-3/32 .012 .012 Ш III Ш S20TBA16 .323/.327 .281/.285 .625/.630 253/.261 11-1/8 .016



Radial Bearings

- Inch dimensional bearings
- Full complement of balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Cylindrical OD for mounting in straight-bored housings
- Grease packed
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, shielded or sealed





SEALING OPTIONS: See page 3

	Α	В	C		D	BALLS	BRG.	LOAD RATING (lbs.)		
BEARING	+.005	+.005	+.010 /010			NO. – SIZE	Wt.	50 rpm, 500 hrs.		
NUNDER	MBER000000 Seal Type Seal Typ R, MP, P, P2 MPP, PP, P		MPP, PP, PP2			Ebs. Ea.	IRT*	ORT*		
[†] 28R16 [†] 28R20 [†] 28R24	1/4 5/16 3/8	7⁄8	1⁄4	_	1⁄4	16 – ¹ ⁄/ ₈	.03 .03 .03	149	127	
36R24 36R28 36R32	3/8 7/ ₁₆ 1/2	1 1/8	.370	.396	¹³ / ₃₂	15 – ⁵ ⁄32	.07 .07 .07	273	232	
44R24 44R28 44R32 44R36 44R40	3/8 7/16 1/2 9/16 5/8	1 ³ ⁄/8	.470	.490	1/2	16 - ³ ⁄16	.14 .13 .12 .11 .10	419	356	
48R32 48R36 48R40 48R44	1/2 9/16 5/8 11/16	1½	.437	.468	¹⁵ / ₃₂	17 – ³ ⁄ ₁₆	.16 .15 .14 .13	445	378	
56R40 56R44 56R48	5/8 11/ ₁₆ 3/4	1¾	.595	5 .625		15 – ¼	.25 .23 .22	699	594	
** 57R48	3⁄4	1.780	.574	.603	¹¹ ⁄16	15 – ¼	.23	699	594	
64R48 64R56 64R64	³ ⁄4 7⁄8 1 "	2	.572	.620	5⁄8	17 – ¼	.33 .32 .30	792	673	
80R48 80R64 80R68 80R72 80R76 80R80	$ \frac{\frac{3}{4}}{1''_{16}} \\ \frac{1}{1}_{18}'_{18} \\ \frac{1}{3}_{16}'_{16} \\ \frac{1}{4}'_{4}'_{4} $	2½	.625	.677	²¹ / ₃₂	17 - ⁵ ⁄16	.56 .53 .52 .51 .50 .59	1238	1052	

For sealing designation, add suffix to bearing number below.

* IRT = Inner Race Turns *ORT = Outer Race Turns

For Interchange, see Page 35

** Size equivalent to tapered roller bearing.

+Call for availability. Solid outer race design. Other solid outer race sizes available.

All dimensions should be verified with Mfg.



Flanged Radial Bearings

- Flange axially locates bearing in housing
- Inch dimensional bearings
- Full complement of balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Cylindrical OD for mounting in straight-bored housings
- · Grease packed
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, shielded or sealed





For sealing designation, add suffix to bearing number below.

	Α	В	С		D	E	F	G	BALLS	BRG.	LOAD RAT	TING (Ibs.)
BEARING	+.005	+.005	+.010	<u>/010</u>					NO. – SIZE	Wt.	50 rpm,	500 hrs.
NUMBER	000	000	Seal Type F,MP, P, P2	MPP, PP, PP2						Lbs. Ea.	IRT*	ORT*
†29F16 †29F20 †29F24	1/4 5/16 3/8	²⁹ /32	⁵ ⁄16	_	¹ ⁄16	1 1/32	1⁄8	3⁄/8	16 – ¹ ⁄8	.03	149	127
36F24 36F28 36F32	3/8 7/ ₁₆ 1/2	1½	.385	.410	¹ ⁄ ₁₆	1¼	1⁄8	7⁄ ₁₆	15 – ⁵ ⁄32	.07 .07 .07	273	232
44F24 44F28 44F32 44F36 44F40	3/8 7/16 1/2 9/16 5/8	1¾	.437	.490	1⁄16	1½	1⁄8	³⁵ ⁄64 ***	16 − ³ ⁄16	.14 .13 .12 .11 .10	419	356
44LF48	3⁄4	1 %	.435	.460	¹ ⁄16	1 ½	1⁄8	1/2	20 – ⁵ ⁄ ₃₂	.09	297	252
48F32 48F36 48F40 48F44	1/2 9/16 5/8 11/16	1½	.447	.468	1/16	1 ²¹ ⁄32	1⁄8	17/32	17 – ³ ⁄16	.16 .15 .14 .13	445	378
56F32 56F40 56F44 56F48	1/2 5⁄8 11/16 3⁄4	1 ³ ⁄4	.595	.625	³ ⁄32	17⁄8	⁵ ⁄32	¹¹ / ₁₆	15 – ¼	.27 .25 .23 .22	699	594
64F44 64F48 64F56 64F64 64F65	¹¹ / ₁₆ ³ / ₄ 7/8 1'' 1 ¹ / ₆₄	2	.572	.595	³ ⁄32	2 ¹ ⁄8	7/32	²³ /32	17 – ¼	.33 .32 .32 .30 .29	792	673
80F56 80F64 80F68 80F72 80F76 80F80	7/8 1" 1½16 1½8 1¾16 1¼	2½	.630	.650	1⁄8	2 ⁴¹ ⁄ ₆₄	1⁄4	¹³ ⁄16	17 – ⁵ ∕16	.56 .53 .52 .51 .50 .59	1238	1052

*IRT = Inner Race Turns *ORT = Outer Race Turns For Interchange, see Page 35.

*** Inner Race Dimension for MP, P, P2 = $\frac{1}{2}$

 \uparrow Call for availability. Solid outer race design.

Other solid outer race sizes available.

All dimensions should be verified with Mfg.



Radial Hex Bore Bearings

- Designed for mounting on hex shaft
- Inch dimensional bearings
- Full complement of balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Cylindrical OD for mounting in straight-bored housings
- · Grease packed
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, shielded or sealed





						-			
	Α	В	(D	BALLS	BRG.	LOAD RA	TING (lbs.)
BEARING	+.006	+.005	+.010	/–.010		NO. – SIZE	Wt.	50 rpm,	500 hrs.
NUMBER	000	000	Seal Type MP, P, P2	Seal Type MPP, PP, PP2			Lbs. Ea.	IRT*	ORT*
36RH24 36RH28	3⁄8 7⁄16	1 ¹ ⁄/8	.370	.396	¹³ ⁄32	15 – ⁵ ⁄32	.07 .07	149	127
44RH24 44RH28 44RH32	3/8 7/ ₁₆ 1/2	1¾	.470	.490	1⁄2	16 - ³ ⁄ ₁₆	.14 .13 .11	419	356
48RH32 48RH36 48RH40	1/2 9/16 5/8	1½	.437	.468	¹⁵ ⁄32	17 – ³ ⁄16	.16 .15 .14	445	378
56RH40 56RH44 56RH48	5/8 11/16 3/4	1 ¾	.595	.625	5/8	15 – ¼	.25 .23 .22	699	594
64RH48 64RH56	³ / ₄ ⁷ / ₈	2	.572	.620	5/8	17 – ¼	.33 .32	792	673
80RH64 80RH68 80RH72	1" 1½ 1½ 18	2½	.630	.680	²¹ / ₃₂	17 – ⁵ ⁄16	.53 .52 .51	1238	1052

For sealing designation, add suffix to bearing number below.

*IRT = Inner Race Turns *ORT = Outer Race Turns Square and other Hex Bores available upon request. All dimensions should be verified with Mfg.



Flanged Radial Hex Bore Bearings

- Designed for mounting on hex shaft
- Flange axially locates bearing in housing or tube
- Inch dimensional bearings
- Full complement of balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Cylindrical OD for mounting in straight-bored housings
- Grease packed
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, shielded or sealed





For sealing designation, add suffix to bearing number below.

	Α	В	(2	D	Е	F	G	BALLS	BRG.	LOAD RAT	ING (lbs.)
BEARING	+.006	+.005	+.010	/–.010					NO. – SIZE	Wt.	50 rpm, 🗄	500 hrs.
NUMBER	000	000	Seal Types MP, P, P2	Seal Types MPP, PP, PP2						Lbs. Ea.	IRT*	ORT*
36FH24 36FH28	3⁄8 7⁄16	1 ¹ / ₈	.385	.410	¹ ⁄16	1 ¹ ⁄4	1⁄8	7⁄16	15 – ⁵ ⁄32	.07 .07	273	232
44FH24 44FH28 44FH32	3/8 7/ ₁₆ 1/2	13%	.437	.490	1⁄16	1½	1⁄8	³⁵ ⁄ ₆₄ ***	16 - ³ ⁄16	.14 .13 .11	419	356
48FH32 48FH36 48FH40	1/2 9/16 5/8	1½	.447	.468	¹ ⁄16	1 ²¹ ⁄32	1⁄/8	1/2	17 – ³ ⁄16	.16 .15 .14	445	378
56FH40 56FH44 56FH48	5%8 11/16 3/4	1¾	.595	.625	³ ⁄32	1%	5/32	¹¹ ⁄16	15 – ¼	.25 .23 .22	699	594
64FH48 64FH56	3/4 7/8	2	.572	.595	³ ⁄ ₃₂	2 ¹ ⁄8	7/32	²³ /32	17 – ¼	.33 .30	792	673
80FH64 80FH68 80FH72	1" 1½ ₁₆ 1½	2½	.630	.650	1⁄8	2 ⁴¹ ⁄ ₆₄	1⁄4	¹³ ⁄16	17 – ⁵ ⁄16	.53 .52 .51	1238	1052

*IRT = Inner Race Turns *ORT = Outer Race Turns

Square and other Hex bores available upon request.

*** Inner Race Dimension for MP, P, P2 = $\frac{1}{2}$

All dimensions should be verified with Mfg.



Radial Bearings

Extended Inner Race Set Screw Construction

- Inch dimensional bearings
- Full complement of balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Cylindrical OD for mounting in straight-bored housings
- · Grease packed
- Extended inner race with set screws
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, shielded or sealed





	Α	В	(2	D	BALLS	BRG.	LOAD RA	TING (lbs.)
BEARING	+.005	+.005	+.010	/010		NO. – SIZE	Wt.	50 rpm,	500 hrs.
NUMBER	000	000	Seal Types MP, P, P2	Seal Types MPP, PP, PP2			Lbs. Ea.	IRT*	ORT*
36RAX24 36RAX28 36RAX32	3/8 7/16 1/2	1 1/8	.370	.396	3⁄4	15 – ⁵ ⁄32	.10 .10 .09	273	232
44RAX24 44RAX28 44RAX32 44RAX36 44RAX40	3/8 7/16 1/2 9/16 5/8	13%8	.470	.490	1"	16 - ³ ⁄16	.20 .18 .16 .14 .12	419	356
48RAX32 48RAX36 48RAX40	1/2 9/16 5/8	1½	.437	.468	1"	17 – ³ ⁄16	.26 .24 .21	445	378
56RAX32 56RAX36 56RAX40 56RAX44 56RAX48	1/2 9/16 5/8 11/16 3/4	1¾	.595	.625	1 ⁵ ⁄32	15 – ¼	.35 .34 .34 .33 .33	699	594
64RAX48 64RAX56 64RAX64	³ ⁄ ₄ ⁷ ⁄ ₈ 1 "	2	.572	.620	1 ³ ⁄16	17 – ¼	.45 .43 .40	792	673
64RAL48 64RAL56 64RAL64	³ ⁄4 ⁷ ⁄8 1 "	2	.572	.620	1 ³ ⁄32	17 – ¼	.43 .41 .39	792	673
80RAX64 80RAX68 80RAX72 80RAX76 80RAX80	1" 1½6 1½8 1¾6 1¼	21/2	.630	.680	1 ¹¹ /32	17 – ⁵ ⁄16	.72 .70 .68 .65 .60	1238	1052

For sealing designation, add suffix to bearing number below.

*IRT = Inner Race Turns *ORT = Outer Race Turns All dimensions should be verified with Mfg.



Flanged Radial Bearings

Extended Inner Race Set Screw Construction

- Flange axially locates bearing in housing
- Inch dimensional bearings
- Full complement of balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Cylindrical OD for mounting in straight-bored housings
- Grease packed
- · Extended inner race with set screws
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, shielded or sealed





	Α	В	(0	D	Е	F	BALLS	BRG.	LOAD RAT	ING (lbs.)
BEARING	+.005	+.005	+.010	/–.010				NO. – SIZE	Wt.	50 rpm,	500 hrs.
NUMBER	000	000	Seal Type MP, P, P2	Seal Type MPP, PP, PP2					Lbs. Ea.	IRT*	ORT*
36FAX24 36FAX28 36FAX32	3/8 7/16 1/2	1½	.380	.410	1⁄16	1¼	3/4	15 - 5/32	.10 .10 .09	273	232
44FAX24 44FAX28 44FAX32 44FAX36 44FAX40	3% 7/16 1/2 9/16 5%	1¾	.437	.490	1⁄ ₁₆	1½	1"	16 − ^{3⁄} 16	.20 .18 .16 .14 .12	419	356
48FAX32 48FAX36 48FAX40	1/2 9/16 5/8	1½	.447	.468	1/16	1 ²¹ /32	1"	17 – ³ ⁄ ₁₆	.26 .24 .21	445	378
56FAX32 56FAX36 56FAX40 56FAX44 56FAX48	1/2 9/16 5/8 11/16 3/4	1¾	.595	.625	³ ⁄32	17%	15⁄32	15 – ¼	.35 .34 .34 .33 .33	699	594
64FAX48 64FAX56 64FAX64	³ ⁄ ₄ 7⁄8 1 "	2	.572	.595	³ ⁄ ₃₂	21/8	1 ³ ⁄16	17 - 1⁄4	.45 .43 .40	792	673
64FAL48 64FAL56 64FAL64	³ ⁄ ₄ 7⁄ ₈ 1 "	2	.572	.595	³ ⁄32	2 ¹ ⁄ ₈	1 ³ ⁄32	17 - 1⁄4	.43 .41 .39	792	673
80FAX64 80FAX68 80FAX72 80FAX76 80FAX80	1" 1½6 1½ 1¾ 1¾6 1¼	2½	.630	.650	1⁄8	2 ⁴¹ ⁄64	1 ¹¹ /32	17 – ⁵ ⁄16	.68 .72 .70 .65 .60	1238	1052

For sealing designation, add suffix to bearing number below.

*IRT = Inner Race Turns *ORT = Outer Race Turns

All dimensions should be verified with Mfg.



Metric Radial Bearings

- Industry standard metric sizes
- Full complement of balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Cylindrical OD for mounting in straightbored housings
- Grease packed
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, shielded or sealed



MC – LOCKING COLLAR PURCHASED SEPARATELY AVAILABLE WITH PP2 OR PP3 SEALS ON SELECT SIZES. SEE PG. 3 FOR DETAILS HEX BORE AVAILABLE ON REQUEST

	Α	E	3	С	D	BALLS	BRG.	LOAD RAT	「ING (Ibs.)	
BEARING	+.005	mm	+.005	+.010		NO. – SIZE	Wt.	50 rpm,	500 hrs.	
NOMBER	000		000	010			Ea.	IRT*	ORT*	NO.
M44R32PP M44RAL32PP M44R38PP M44RAL38PP M44RAL38PP M44RAL40PP M44RAL40PP	½ ½ 15mm 15mm % 5%	35	1.378	.490	¹ / ₂ 1" 1/ ₂ 1" 1/ ₂ 1"	16 - ³ ⁄16	.12 .16 .11 .15 .10 .14	419	356	
M59R48PP M59RAL48PP M59RAX48PP M59R48PPMC	3/4 3/4 3/4 3/4	47	1.850	.540	%16 1″ 1⅔2 1⅔2	16 – ¹ ⁄4	.22 .30 .33 .33	745	633	S1012KC2
M65R48PP M65RAL48PP M65RAX48PP M65RA8PPMC M65R56PP M65RAL56PP M65RAL56PP M65RAS6PP M65RB56PP M65RBH56PP M65RBH56PP M65RAL64PP M65RAL64PP M65RAX64PP M65RAX64PP M65RAS64PPMC M65RB64PP	94 94 94 94 94 94 97 8 78 78 78 78 78 78 78 78 78 78 78 78	52	2.047	.590	5/8 13/32 17/32 29/32 5/8 13/32 29/32 29/32 29/32 29/32 5/8 13/32 29/32 5/8 13/32 13/32 29/32 13/32 29/32	17 - 1⁄4	.33 .45 .48 .48 .44 .32 .40 .43 .43 .38 .38 .38 .30 .40 .42 .42 .39	792	673	S1012KC2 S1014K S1100KC2
M78R72PP M78RAL72PP M78RAX72PP M78R72PPMC M78RAF6PP M78RAL76PP M78RAX76PP M78RAC6PPMC M78R80PP M78RAL80PP M78RAL80PP	$\begin{array}{c} 1 \frac{1}{8} \\ 1 \frac{9}{16} \\ 1 \frac{9}{16} \\ 1 \frac{9}{16} \\ 1 \frac{9}{16} \\ 1 \frac{1}{4} \\ 1 \frac{1}{4} \\ 1 \frac{1}{4} \end{array}$	62	2.441	.650	23/32 17/32 11/32 11/32 23/32 17/32 11/32 11/32 23/32 17/32 11/32 11/32 11/32	19 – %2	.51 .65 .68 .50 .55 .65 .65 .49 .56 .60	1120	952	S1102K S1103K

*IRT = Inner Race Turns *ORT = Outer Race Turns



Metric Spherical Bearings

- Industry standard metric sizes
- Full complement of • balls for maximum bearing capacity
- Case carburized raceways for high wear resistance
- Spherical OD for initial self alignment
- · Grease packed
- Various platings available for protection against corrosion
- Max Speed 700 RPM
- Can be ordered open, • shielded or sealed





В

C





MC ECCENTRIC LOCKING COLLAR

SRAL, SRAX 2 SET SCREWS AT 120°

SR - ROUND I.D. SRH - HEX I.D.



MC - LOCKING COLLAR PURCHASED SEPARATELY AVAILABLE WITH PP2 OR PP3 SEALS ON SELECT SIZES. SEE PG. 3 FOR DETAILS

	Α	E	3	С	D	BALLS	BRG.	LOAD RAT	TING (Ibs.)	
BEARING	+.005	mm	+.005	+.010		NO. – SIZE	Wt.	50 rpm,	500 hrs.	
NUMBER	000		000	010			Ebs. Ea.	IRT*	ORT*	NO.
M59SR48PP M59SRAL48PP M59SRAX48PP M59SR48PPMC	3/4 3/4 3/4 3/4	47	1.850	.585	9/16 1" 1 ⁷ /32 1 ⁷ /32	16 - 1⁄4	.22 .30 .33 .33	745	633	S1012KC2
M65SR448PP M65SRAL48PP M65SRAX48PP M65SRAX48PP M65SR56PP M65SRAL56PP M65SRAL56PP M65SRAX56PP M65SRAS6PP M65SRB56PP M65SRBH56PP M65SRAL64PP M65SRAL64PP M65SRAL64PP M65SRAX64PP M65SRAX64PP	9/4 3/4 3/4 3/4 9/4 7/8 7/8 7/8 7/8 7/8 7/8 7/8 7/8 7/8 7/8	52	2.047	.635	5/8 1%22 1%22 2%32 5%8 1%32 1%32 1%32 2%32 2%32 2%32 2%32 2%32 5%8 1%32 2%32 5%8 1%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 2%32 3%2 1%32 2%32	17 – ¼	.33 .48 .48 .45 .44 .42 .44 .40 .38 .30 .40 .42 .42 .39	792	673	S1012KC2 S1014K S1100KC2
M78SR72PP M78SRAL72PP M78SRAX72PP M78SR72PPMC M78SR76PP M78SRAL76PP M78SRAX76PP M78SRAX76PP M78SR76PPMC M78SR80PP M78SRAL80PP M78SRAL80PP	1 1/8 1 1/8 1 1/8 1 9/16 1 9/16 1 9/16 1 9/16 1 9/16 1 1/4 1 1/4 1 1/4	62	2.441	.720	23/32 11/32 11/32 11/32 23/32 11/32 23/32 11/32 11/32 23/32 11/32 11/32 11/32	19 – %2	.51 .68 .68 .65 .50 .65 .55 .49 .60 .60	1120	952	S1102K S1103K

*IRT = Inner Race Turns *ORT = Outer Race Turns

Hex bores and other specials available upon request.

Flangettes are available for above bearings. See pages 22-27.

Keyways and cross drilled holes for pinning are among available options.





- Economical alternative to cast units
- Ideal in tight mounting areas
- Inch dimensions
- Moderate Loads
- Max Speed 700 RPM using Lutco bearing
- Zinc plated housing is standard
- Misalignment torque controlled through a patented process
- Bearings are supplied prelubricated
- Offered with semi-precision or precision bearings
- All units are non-relubricatable

SHAFT	ASSEMBLY NO.	BEARING NO.	A	в	с	D	Е	F	н	J	К	L	т	WT. LBS.	HOUSING NO.
3/.	31SAFLMRA012RRB	PRECISION RA012RRB	09/10	013/10	05/	15/10	11/	11/	0	29/	1/	17/00	104	07	0061 70
/4	31SAFLM48PP	LUTCO M59SRAX48PP	3/16	2 /16	278	I /16	/16	/32	2	/32	/2	1732	.104	.37	9001-ZP
7/	41SAFLMRA014RRB	PRECISION RA014RRB	n ³ /.	0	051/	15/	23/	11/	03/10	15/	1/,	17/10	101	FC	0040 70
/8	41SAFLM56PP2	LUTCO M65SRAX56PP2	3/4	3	2 /64	I /16	/32	/32	2/16	/16	/2	1732	.104	.30	9040-ZP
4.11	41SAFLMRA100RRB	PRECISION RA100RRB	n ³ /.	0	0.51/	15/10	23/	11/	03/10	15/	1/	17/00	104	50	0040 70
I	41SAFLM64PP2	LUTCO M65SRAX64PP2	3/4	3	2 /64	I /16	/32	/32	2/16	/16	/2	1732	.104	.50	9040-ZP
u 1/4	51SAFLMRA102RRB	PRECISION RA102RRB	47/10	0 ⁹ /	05/10	117/10	7/	13/	05/	1 1/.	3/.	1 13/	104	01	0040 70
178	51SAFLM72PP2	LUTCO M78SRAX72PP2	4/16	3 /16	3/16	1 /32	/8	/32	278	I /16	74	I /32	.134	.91	9049-ZP
13/10	51SAFLMRA103RRB	PRECISION RA103RRB	47/10	0 ⁹ /	25/10	117/00	7/2	13/	05/	+ ¹ /.	3/.	1 ¹³ /₂	104	00	0040 70
I /16	51SAFLM76PP2	LUTCO M78SRAX76PP2	4/16	3/16	3/16	1 732	/8	/32	278	I /16	74	1 /32	.134	.09	9049-ZP
+ ¹ /.	51SAFLMRA13RRB2	PRECISION RA103RRB2	47/10	0 ⁹ /	05/10	117/	7/	13/	05/	1 /	3/.	1 13/₀	104	04	0040 70
174	51SAFLM80PP2	LUTCO M78SRAX80PP2	4/16	3/16	3/16	1 732	78	/32	278	I /16	74	1 /32	.134	.04	9049-ZP
1¼	61SAFLMRA104RRB	PRECISION RA104RRB	115/10	o ¹⁵ /	o ¹¹ /	15/2	29/22	13/	2	13/00	7/	1 17/00	156	1.74	0050 7D
1 ⁵ ⁄16	61SAFLMRA105RRB	PRECISION RA105RRB	4 /16	J /16	3 /16	178	/32	/32	3	1732	78	1 /32	.150	1.69	9000-ZF
13/8	61SAFLMRA106RRB	PRECISION RA106RRB	15/10	o ¹⁵ /	o ¹¹ /	15/2	29/	13/	2	13/00	7/	1 ¹⁷ /~	156	1.68	0050 7D
1 ⁷ ⁄16	61SAFLMRA107RRB	PRECISION RA107RRB	4 /16	J /16	J /16	178	/32	/32	3	1732	78	1 /32	.100	1.55	9000-ZP

* For Interchange, see page 37

Other spherical wide inner race bearings available upon request.





- · Economical alternative to cast units
- Ideal in tight mounting areas
- Inch dimensions
- Moderate Loads
- Max Speed 700 RPM using Lutco bearing
- Zinc plated housing is standard
- Misalignment torque controlled through a patented process
- Bearings are supplied prelubricated
- Offered with semi-precision or precision bearings
- All units are non-relubricatable

SHAFT	ASSEMBLY NO.	BEARING NO.	A	в	с	D	Е	F	н	J	К	L	Т	WT. LBS.	HOUSING NO.
7/	43SAFLMRA014RRB	PRECISION RA014RRB	47/	o ⁵⁷ /	03/	4 5∕.	23/	15/	03/	15/	1/	17/.	101	50	
/8	43SAFLM56PP2	LUTCO M65SRAX56PP2	4/8	3 /64	274	I 716	732	732	2716	716	/2	I /32	.104	.59	9058-ZP
411	43SAFLMRA100RRB	PRECISION RA100RRB	474	o ⁵⁷ /.	03/	1 5/	23/	15/	03/	15/	17	17/	101	50	0050 70
Ι	43SAFLM64PP2	LUTCO M65SRAX64PP2	478	3 /64	2/4	I /16	/32	/32	2/16	/16	/2	1 /32	.104	.53	9008-ZP
1 1/	53SAFLMRA102RRB	PRECISION RA102RRB	F ⁹ /	A 19/-	05/	1 17/-	7/	29/	05/	1 ¹ /-	5/	1 13/	104	07	0050 70
178	53SAFLM72PP2	LUTCO M78SRAX72PP2	J /16	4 /32	3/16	1 /32	/8	/64	2/8	I /16	/8	I /32	.134	.97	9009-ZP
1 3/	53SAFLMRA103RRB	PRECISION RA103RRB	-9/	4 19/	05/	1 17/	7/.	29/	05/	1 /.	5/	₁ 13/	104	05	
I 716	53SAFLM76PP2	LUTCO M78SRAX76PP2	5 716	4 732	3716	I /32	/8	764	278	I /16	78	I 732	.134	.95	9059-ZP
a 1/	53SAFLMRA13RRB2	PRECISION RA103RRB2	-9/	4 19/	05/	1 77	7/	29/	05/	1 /.	5/	₁ 13/	101	00	
1 /4	53SAFLM80PP2	LUTCO M78SRAX80PP2	5 /16	4 732	3716	I /32	/8	764	278	I /16	78	I 732	.134	.90	9059-ZP
1 ¼	63SAFLMRA104RRB	PRECISION RA104RRB	c1/	r1/	011/	4 5/	29/	33/	_	1 3/	7/	1 7/	150	1.87	0000 70
1 ⁵ ⁄16	63SAFLMRA105RRB	PRECISION RA105RRB	0/8	5/8	3 /16	178	732	764	3	1 732	/8	I /32	.150	1.82	9060-ZP
1%	63SAFLMRA106RRB	PRECISION RA106RRB	c1/	r1/	011/	4 5/	29/	33/	_	1 3/	7/	1 7/	150	1.81	0000 70
1 7⁄16	63SAFLMRA107RRB	PRECISION RA107RRB	0/8	578	3 /16	178	/32	764	3	1 /32	/8	I /32	.156	1.68	9060-ZP



3 Bolt Triangular



- Economical alternative to cast units
- Ideal in tight mounting areas
- Inch dimensions
- Moderate Loads
- Max Speed 700 RPM using Lutco bearing
- Zinc plated housing is standard
- Misalignment torque controlled through a patented process
- Bearings are supplied prelubricated
- Offered with semi-precision or precision bearings
- All units are non-relubricatable

SHAFT	ASSEMBLY NO.	BEARING NO.	Α	в	с	D	Е	F	Н	J	L	т	WT. LBS.	HOUSING NO.
3/,	37SAFLMRA012RRB	PRECISION RA012RRB	2 ⁹ /	013/10	1 1/.	15/10	11/	11/2	0	29/20	1760	104	41	0060 70
/4	37SAFLM48PP	LUTCO M59SRAX48PP	3/16	2 /16	1 /4	I /16	/16	/32	2	/32	1 /32	.104	.41	9009-ZP
7/_	47SAFLMRA014RRB	PRECISION RA014RRB	o ³ /.	0	1 /2	15/	23/	11/	03/10	15/	17/	104	61	
78	47SAFLM56PP2	LUTCO M65SRAX56PP2	3/4	3	1/2	I /16	/32	/32	∠/16	/16	1732	.104	.01	9070-ZP
411	47SAFLMRA100RRB	PRECISION RA100RRB	o ³ /.	0	1 /4	15/	23/	11/	03/10	15/	174.	104	FF	
I	47SAFLM64PP2	LUTCO M65SRAX64PP2	3/4	3	1 /2	I /16	/32	/32	∠/16	/16	1 /32	.104	.55	9070-ZP
1 1∕	57SAFLMRA102RRB	PRECISION RA102RRB	17/10	29/10	1 1/2	117/00	7/	13/	05/	1 ¹ / ₂	1 ¹³ /~	104	1 00	0071 70
178	57SAFLM72PP2	LUTCO M78SRAX72PP2	4/16	3/16	1 /2	I /32	/8	/32	∠/8	I /16	I /32	.134	1.00	907 I-ZP
13/	57SAFLMRA103RRB	PRECISION RA103RRB	47/	09/10	1 /2	117/1	7/.	13/	05/	1 1/	1 13/	104	1.00	0071 70
I /16	57SAFLM76PP2	LUTCO M78SRAX76PP2	4/16	3/16	1/2	1 /32	/8	/32	∠78	I /16	I 732	.134	1.00	907 I-ZP
1 /.	57SAFLMRA13RRB2	PRECISION RA103RRB2	47/	09/10	1 /4	17/1	7/	137	05/	1 /	1 13/	104	1 01	0071 70
1 /4	57SAFLM80PP2	LUTCO M78SRAX80PP2	4/16	3/16	1 /2	I /32	/8	/32	∠/8	I /16	I /32	.134	1.01	907 I-ZP
1 ¼	67SAFLMRA104RRB	PRECISION RA104RRB	115/10	o ¹⁵ /	+ ³ /.	15/	29/	13/	0	1 ³ /~	1 ¹⁷ /m	156	1.87	0070 70
1 5⁄16	67SAFLMRA105RRB	PRECISION RA105RRB	4 /16	J /16	1/4	178	/32	732	3	1732	I /32	.150	1.82	9072-2F
1 ³ ⁄8	67SAFLMRA106RRB	PRECISION RA106RRB	A 15/	015/	1 3/.	1 5/,	29/	13/	0	13/	1 17/	156	1.81	
1 ⁷ ⁄ ₁₆	67SAFLMRA107RRB	PRECISION RA107RRB	4 /16	J /16	1/4	178	/32	/32	3	1732	I /32	.150	1.68	9072-2P



4 Bolt Square



- Economical alternative to cast units
- · Ideal in tight mounting areas
- Inch dimensions
- Moderate Loads
- Max Speed 700 RPM using Lutco bearing
- Zinc plated housing is standard
- Misalignment torque controlled through a patented process
- Bearings are supplied prelubricated
- Offered with semi-precision or precision bearings
- All units are non-relubricatable

SHAFT	ASSEMBLY NO.	BEARING NO.	A	в	D	Е	F	н	J	L	Т	WT. LBS.	HOUSING NO.
7/.	44SAFLMRA014RRB	PRECISION RA014RRB	o ³ /.	o ³ /.	15/	23/	29/	03/	15/	17/10	104	76	0065 70
/8	44SAFLM56PP2	LUTCO M65SRAX56PP2	3/4	2/4	I /16	/32	/64	2/16	/16	1732	.104	.70	9000-ZP
411	44SAFLMRA100RRB	PRECISION RA100RRB	o ³ /.	o ³ /.	15/	23/	29/	03/	15/	17/1	104	70	0065 70
	44SAFLM64PP2	LUTCO M65SRAX64PP2	3/4	2/4	I /16	/32	/64	2/16	/16	1 /32	.104	.70	9000-ZP
11/2	54SAFLMRA102RRB	PRECISION RA102RRB	A ¹ /.	o ¹ /.	11760	7/	29/	0 ⁵ /2	11/10	113/00	104	1 40	0066 70
178	54SAFLM72PP2	LUTCO M78SRAX72PP2	4/4	374	1 /32	/8	/64	278	I /16	1 /32	.134	1.40	9000-ZF
13/	54SAFLMRA103RRB	PRECISION RA103RRB	a1/.	o ¹ /.	117/	7/	29/	05/	11/1	1 13/	104	1 00	0066 70
I /16	54SAFLM76PP2	LUTCO M78SRAX76PP2	4/4	3/4	1 /32	/8	/64	278	I /16	1 /32	.134	1.30	9000-ZP
1 1/.	54SAFLMRA13RRB2	PRECISION RA103RRB	a1/.	01/	174	7/	29/	05/	11/.	113/	104	1 00	0066 70
174	54SAFLM80PP2	LUTCO M78SRAX80PP2	4/4	3/4	1 /32	/8	/64	278	I /16	I /32	.134	1.32	9000-ZP
1¼	64SAFLMRA104RRB	PRECISION RA104RRB	15%	o ⁵ /2	1 ⁵ ∕	29/20	33/	0	13/00	117/00	156	2.44	0067 70
1 ⁵ ⁄16	64SAFLMRA105RRB	PRECISION RA105RRB	478	378	178	/32	/64	3	1732	1 /32	.150	2.39	9007-ZF
1%	64SAFLMRA106RRB	PRECISION RA106RRB	45/	0.5%	1 5∕	29/	33/	0	13/	117/	150	2.38	0067 70
17/16	64SAFLMRA107RRB	PRECISION RA107RRB	4/8	378	178	/32	/64	3	1/32	1 /32	.150	2.20	9007-ZP



2-Bolt and 3-Bolt Economount Bearings

- Available in 2-bolt and 3- bolt round configurations
- Ideal in tight mounting areas
- Inch dimensions
- Moderate loads

2-Bolt

- Max Speed 700 RPM
- Intended for applications which have little or no shaft misalignment
- Zinc and Yellow dichromate platings available for corrosion protection
- Bearings are supplied prelubricated
- · All units are non-relubricatable





B

Α

21, 31, 41, 51 SERIES

33, 45 SERIES

BEARING NUMBER	BORE SIZE +.005 000	Α	В	С	D	Е	F	G	н	К	L	WEIGHT IN POUNDS	LUTCO BEARING
21FLMX32PP2 21FLMX40PP2 21FLMX48PP2	1/2 5/8 3/4	2½	3¼	1½	1½	1⁄4	9 ₃₂	2 ⁵ ⁄16	1 ⁵⁵ ⁄64	5⁄64	1 ³ ⁄32	.62 .58 .50	
31FLMX48PP2	3⁄4	2 ¹³ /16	3¼	11%	11%	1⁄4	⁹ ⁄32	2%	1 ⁵⁵ ⁄64	5⁄64	1 ³ ⁄32	.50	56RAX
33FLMX32PP2 33FLMX40PP2 33FLMX48PP2	1/2 5/8 3/4	21⁄8	35%	1½	1 1/8	1⁄4	⁷ ⁄16	2	1 ⁵⁵ ⁄64	5⁄64	1 ³ ⁄32	.63 59 .51	
41FLMX56PP2 41FLMX60PP2 41FLMX64PP2	7/8 ^{15/} 16 1 "	3	3¾	1¾	17/32	1⁄4	¹¹ / ₃₂	2 ⁵¹ ⁄64	21⁄8	5⁄64	1 ³ ⁄16	.60 .56 .54	64DAY
45FLMX48PP2 45FLMX56PP2 45FLMX64PP2	∛₄ 7⁄8 1"	3¼	4½	1%	17⁄32	1⁄4	7⁄ ₁₆	2¼	2 ¹ ⁄8	5⁄64	1 ³ ⁄16	.60 .56 .54	04047
51FLMX72PP2 51FLMX76PP2 51FLMX80PP2	1½ 1¾ 1¼	3 ⁹ ⁄16	41/16	1%	1¾	5⁄16	¹³ ⁄32	3 ⁵ ⁄16	2 ³⁹ ⁄64	5⁄64	1 ¹¹ /32	1.04 1.00 .96	80RAX

Select sizes available with precision bearings







3-Bolt

BEARING NUMBER	BORE SIZE +.005 000	А	В	С	D	Е	F	н	К	L	WEIGHT IN POUNDS	LUTCO BEARING
2FLMX32PP2 2FLMX40PP2 2FLMX48PP2	1/2 5/8 3/4	2½	3¼	1½	1 ½	1⁄4	⁹ ⁄32	1 ⁵⁵ ⁄64	5⁄64	13/32	.66 .60 .53	56RAX
*3FLMX48PP2	3⁄4	2 ¹³ ⁄16	3¼	11%	1 ½	1⁄4	⁹ ⁄32	1 ⁵⁵ ⁄64	5⁄64	1 ³ ⁄32	.53	
4FLMX56PP2 4FLMX60PP2 4FLMX64PP2	⁷ ⁄ ₈ ¹⁵ ∕ ₁₆ 1 ″	3	3¾	1%	17/32	1⁄4	11/32	21⁄8	5⁄64	1 ¾16	.66 .61 .59	64RAX
5FLMX72PP2 5FLMX76PP2 5FLMX80PP2	1½ 1¾ 1¼	3% 16	47⁄16	1%	1%	5⁄16	¹³ ⁄32	2 ³⁹ ⁄64	5⁄64	1 ¹¹ / ₃₂	1.07 1.03 .71	80RAX

* Check with factory for availability.



2-Bolt and 3-Bolt Flushmounts

- Available in 2-bolt and 3-bolt round configurations
- Ideal in tight mounting areas
- Inch dimensions
- Moderate Loads
- Max Speed 700 RPM
- Welded backing for extra rigidity
- Various bore configurations available
- Intended for applications which have little or no shaft misalignment
- Zinc and yellow dichromate platings available for corrosion protection
- Bearings are supplied prelubricated
- All units are non-relubricatable

2-Bolt Flushmount





BEARING NUMBER	BORE SIZE +.005 000	Α	В	С	D	Е	F	G	н	К	L	WEIGHT IN POUNDS	LUTCO BEARING
21FLM32PP2 21FLM40PP2 21FLM48PP2	1/2 5/8 3/4	2½	3¼	1 1/8	1 ³ ⁄16	1⁄4	%32	2 ⁵ ⁄16	1 ⁵⁵ ⁄64	⁵ ⁄ ₃₂	15/32	.70 .64 .57	56RAX
31FLM48PP2	3⁄4	2 ¹³ ⁄16	3¼	1 ½	1 ³ / ₁₆	1⁄4	⁹ ⁄ ₃₂	25%	1 ⁵⁵ ⁄64	⁵ ⁄ ₃₂	1 ⁵ ⁄32	.60	
41FLM56PP2 41FLM60PP2 41FLM64PP2	7⁄8 ^{15∕} 16 1 ″	3	3¾	1%	1 ⁹ / ₃₂	1⁄4	¹¹ / ₃₂	2 ⁵¹ ⁄64	21⁄8	5/32	1 ³ ⁄16	.80 .75 .73	64RAX
51FLM72PP2 51FLM76PP2 51FLM80PP2	1½ 1¾ 1¼	3%16	47⁄16	1%	1 ⁷ ⁄ ₁₆	5⁄16	13/32	3 ⁵ ⁄16	2 ³⁹ ⁄ ₆₄	5/32	1 ¹¹ / ₃₂	1.27 1.23 1.17	80RAX

SEALING OPTIONS: See page 3





3-Bolt Flushmount

BEARING NUMBER	BORE SIZE +.005 000	Α	В	С	D	Е	F	Н	К	L	WEIGHT IN POUNDS	LUTCO BEARING
2FLM32PP2 2FLM40PP2 2FLM48PP2	1/2 5/8 3/4	2½	3¼	1 1/8	1 ¾16	1⁄4	⁹ ⁄32	1 ⁵⁵ ⁄64	⁵ ⁄32	15/32	.78 .72 .65	56RAX
*3FLM48PP2	3⁄4	2 ¹³ ⁄16	3¼	11%	1 ³ ⁄16	1⁄4	%32	1 ⁵⁵ ⁄64	⁵ ⁄ ₃₂	15/32	.65	
4FLM56PP2 4FLM60PP2 4FLM64PP2	7⁄8 ^{15∕} 16 1 ″	3	3 ¾	1%	1%2	1⁄4	¹¹ / ₃₂	2 ¹ ⁄⁄8	5/32	1 ³ ⁄16	.88 .83 .81	64RAX
5FLM72PP2 5FLM76PP2 5FLM80PP2	1½ 1¾ 1¼	3%16	47⁄16	1 %	17/16	5⁄16	13/32	2 ³⁹ ⁄64	5/32	1 ¹¹ /32	1.35 1.31 1.25	80RAX

* Check with factory for availability.



2-Bolt and 3-Bolt Centerflange

- Available in 2-bolt and 3-bolt round configurations
- Ideal in tight axial space arrangements
- Inch dimensions
- Moderate loads
- Max Speed 700 RPM
- Intended for applications which have little or no shaft misalignment
- Zinc and Yellow dichromate platings available for corrosion protection
- Bearings are supplied prelubricated
- All units are non-relubricatable







2-Bolt Centerflange

BEARING NUMBER	BORE SIZE +.005 000	Α	В	С	D	Е	F	G	н	J	К	L	WEIGHT IN POUNDS	LUTCO BEARING
21FL32PP2 21FL40PP2 21FL48PP2	1/2 5/8 3/4	2½	3¼	1½	¹⁵ ⁄16	1⁄4	⁹ ⁄32	2 ⁵ ⁄16	1 ⁵⁵ ⁄64	1 7/32	⁵ ⁄32	15/32	.70 .64 .57	56RAX
*31FL48PP2	3⁄4	2 ¹³ ⁄16	3¼	1 ¹ / ₈	¹⁵ / ₁₆	1⁄4	⁹ ⁄32	25%	1 ⁵⁵ ⁄64	1 32	5/32	1 ⁵ ⁄32	.60	
41FL56PP2 41FL60PP2 41FL64PP2	7∕8 ¹⁵ ∕16 1 ″	3	3¾	1%	³¹ / ₃₂	1⁄4	11/32	2 ⁵¹ ⁄64	21/8	1¼	⁵ ⁄32	1 ³ ⁄16	.80 .75 .73	64RAX
51FL72PP2 51FL76PP2 51FL80PP2	1½ 1¾ 1¼	3 ⁹ ⁄16	41/16	1%	1 ⁵ ⁄64	5⁄16	¹³ ⁄ ₃₂	3 ⁵ ⁄16	25%	1 ¹³ ⁄32	⁵ ⁄32	1 ¹¹ /32	1.27 1.23 1.17	80RAX

* Check with factory for availability.





3-Bolt Centerflange

BEARING NUMBER	BORE SIZE +.005 000	А	В	С	D	Е	F	н	J	К	L	WEIGHT IN POUNDS	LUTCO BEARING
2FL32PP2 2FL40PP2 2FL48PP2	1/2 5/8 3/4	2½	3¼	11/8	¹⁵ ⁄16	1⁄4	9⁄ ₃₂	1 ⁵⁵ ⁄64	17/32	⁵ ⁄32	15/32	.78 .72 .65	56RAX
*3FL48PP2	3⁄4	2 ¹³ ⁄16	3¼	1 ½	¹⁵ ⁄16	1⁄4	⁹ ⁄32	1 ⁵⁵ ⁄64	1 ⁷ ⁄32	⁵ ⁄32	1 ⁵ ⁄32	.65	
4FL56PP2 4FL60PP2 4FL64PP2	7∕8 ^{15∕} 16 1 ″	3	3¾	1%	³¹ / ₃₂	1⁄4	¹¹ / ₃₂	21⁄8	1¼	5/32	1 ³ ⁄16	.88 .83 .81	64RAX
5FL72PP2 5FL76PP2 5FL80PP2	1½ 1¾ 1¼	3%16	47⁄16	1%	1 %4	5⁄16	¹³ ⁄32	25%	1 ¹³ /32	5/32	1 ¹¹ / ₃₂	1.35 1.31 1.25	80RAX

* Check with factory for availability.

SEALING OPTIONS: See page 3



Rubber Mount

- Rubber bearing liner reduces noise/vibration
- Intended for applications which have little or no shaft misalignment
- Zinc and yellow dichromate platings available for corrosion protection
- Bearings are supplied prelubricated
- All units are non-relubricatable





	SHAFT SIZE	А	в	с	D	E	F	G	н	J	к	L	М
SP41FLMXYA008RR SP41FLMXYA010RR	1/2 5/8	3	4½	2	.451	3⁄4	1.5748 (40MM)	5%8	¹ ⁄16	¹⁵ ⁄16	³ ⁄16	¹⁵ ⁄16	³¹ /32
SP45FLMX48PP SP45FLMXYA012RR	3⁄4	3%	4½	2 ½	.451	3⁄4	1.8504 (47MM)	3⁄4	1⁄16	1 ¹ /32 1 ³ /32	1/4 15⁄64	1 1½16	1 %4
SP45FLMX56PP SP45FLMX64PP	⁷ ⁄ ₈ 1	3 ¾	4½	2 ¹ / ₂	.451	3⁄4	2.0472 (52MM)	3⁄4	1⁄16	1%4	⁹ ⁄32	1 ³ ⁄32	1%
SP45FLMXYA014RR SP45FLMXYA100RR	⁷ ⁄ ₈ 1	3 ¾	4½	2 ¹ / ₂	.451	3⁄4	2.0472 (52MM)	3⁄4	¹ ⁄16	1 %4	1⁄4	1 %4	1 ²¹ ⁄64

Special Flangettes

Special flangettes include various configurations, material thicknesses and heat treating specifications.

Non-Relube



Special Relube Flangettes

Threaded holes and special grease fittings available upon request.



General Flangette Information

LUTCO is the largest manufacturer of precision flangettes in North America. With an extensive tooling inventory, we are able to offer a wide variety of standard and custom units.

Fit and surface contact between the flangettes and the bearing contribute to the life of the assembly. By allowing the bearing to misalign in the housing under a predetermined torque, premature failure can be eliminated. Sophisticated measuring and torque rating equipment are employed to provide statistical process control, through charting and minimum 1.0 CPK values.

For more specific information on the processes utilized, please contact the factory.

2 Bolt Self-Aligning Flangettes

- Allows for initial bearing self alignment
- Ideal in applications with space contraints
- Most sizes available in torque rated versions
- Zinc and yellow dichromate platings available for corrosion protection
- Accommodates industry standard metric spherical OD bearings
- All units are non-relubricatable





		Α	В	С	D	E	F	G	н	RADIAL	UNIT	
PART NUMBER	Shaft DIA (inches)	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	nom. mm	LUAD LBS. N	LBS.	BEARING
					2 8	BOLT				_		
35MST	¹ /2, ⁹ /16, ⁵ /8	2 ⁷ ⁄8 73.0	2½ 63.50	2 ⁵ ⁄16 58.74	1% 41.28	[%] ₂ 7.14	⁷ ∕ ₃₂ 5.54	0.054 1.37	35	280 1237	0.06	
35MST-3	¹ /2, ⁹ /16, 5⁄8	2 ⁷ /8 73.0	2½ 63.50	2 ⁵ ⁄16 58.74	1 ⁵ ⁄8 41.28	²⁵ ⁄ ₆₄ 9.93	⁷ ∕₃₂ 5.54	.054 1.37	35	280 1237	0.05	
40MST	¹ /2, ⁹ /16, ⁵ /8	3 ³ ⁄ ₁₆ 80.96	2½ 63.50	2 ⁵ ⁄ ₁₆ 58.74	1 ⁷ ⁄ ₈ 47.63	⁹ ∕₃₂ 7.14	[%] ₃₂ 7.14	0.075 1.905	40	600 2650	0.08	
47MST	3⁄4	3 [%] 16 90.49	2 ¹³ ⁄16 71.44	2 ⁵ ⁄8 66.68	2 ³ ⁄ ₁₆ 55.56	¹¹ / ₃₂ 8.73	⁵ ∕16 7.94	0.083 2.11	47	700 3100	0.10	M59SR
52MST	¹³ ⁄16, ⁷ ⁄8 ¹⁵ ⁄16, 1	3¾ 95.25	3 76.20	2 ⁵¹ ⁄ ₆₄ 71.04	2 ³ % 60.33	¹¹ / ₃₂ 8.73	¹¹ / ₃₂ 8.73	0.083 2.11	52	800 3550	0.11	M65SR
52MST-3	¹³ ⁄16, ⁷ ⁄8 ¹⁵ ⁄16, 1	3¾ 95.25	3 76.20	2 ⁵¹ ⁄ ₆₄ 71.04	2 ³ / ₈ 60.33	¹¹ ⁄ ₃₂ 8.73	³ ⁄ ₈ 9.53	.134 3.40	52	1000 4450	0.21	M65SR
62MST	1 ¹ ⁄16, 1 ¹ ⁄8, 1 ³ ⁄16, 1 ¹ ⁄4	4 ⁷ ⁄ ₁₆ 112.71	3 [%] 16 90.49	3 ⁵ ⁄16 84.14	2 ¹³ ⁄ ₁₆ 71.44	¹³ ⁄ ₃₂ 10.31	3% 9.53	0.104 2.64	62	1100 4900	0.33	M78SR
62MST-2	1 ¹ /16, 1 ¹ /8, 1 ³ /16, 1 ¹ /4	4 ⁷ ⁄ ₁₆ 112.71	3 [%] 16 90.49	3 ⁵ ⁄16 84.14	2 ¹³ ⁄ ₁₆ 71.44	¹³ / ₃₂ 10.31	²⁷ / ₆₄ 10.72	.134 3.40	62	1400 6200	0.38	M78SR
72MST	1 ¹ ⁄4, 1 ⁵ ⁄16, 1 ³ ⁄8, 1 ⁷ ⁄16	4 ¹⁵ ⁄ ₁₆ 125.41	3 ¹⁵ ⁄16 100.01	3 ¹¹ ⁄ ₁₆ 93.66	3 ³ ⁄ ₁₆ 80.96	¹³ / ₃₂ 10.31	¹³ / ₃₂ 10.31	0.104 2.64	72	1400 6220	0.40	

For Torque rated flangettes, add the prefix "T".

Add, "ZP" for standard zinc plate and "YZP" for yellow dichromate finishes.

Special designs available upon request.



3 Bolt Self-Aligning Flangettes

Many LUTCO customers have switched from the 3 bolt round style to the 3 bolt triangular. The triangular design is more cost effective and the radial load ratings are equivalent.

- Allows for initial bearing self alignment
- Ideal in applications with space contraints
- Most sizes available in torque rated versions
- Zinc and yellow dichromate platings available for corrosion protection
- Accommodates industry standard metric spherical OD bearings
- All units are non-relubricatable



		Α	В	С	D	Е	F	G	Н	RADIAL		
PART NUMBER	Shaft DIA (inches)	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	nom. mm	LUAD LBS. N	LBS.	BEARING
					3 BOLT T	RIANGULA	R					
40MSTR	1⁄2, ⁹ ⁄16 5⁄8	3 [%] 32 83.34	2½ 63.50	2 ²³ ⁄ ₃₂ 69.06	1 ⁷ ⁄/ ₈ 47.63	%₂ 7.14	⁹ ∕₃₂ 7.14	0.075 1.905	40	600 2650	0.09	
47MSTR	3⁄4	3 [%] 16 90.49	2 ¹³ ⁄ ₁₆ 71.44	3 76.2	2 ^{3⁄} 16 55.56	¹¹ ⁄ ₃₂ 8.73	⁵⁄ ₁₆ 7.94	0.083 2.11	47	700 3100	0.11	M59SR
52MSTR	¹³ ⁄16, ⁷ ⁄8, ¹⁵ ⁄16, 1	3¾ 95.25	3 76.20	3 ⁵ ⁄ ₃₂ 54.76	2 ³ % 60.33	¹¹ ⁄ ₃₂ 8.73	⁵ ⁄ ₁₆ 8.73	0.083 2.11	52	800 3550	0.13	M65SR
T62MSTR	1 ¹ ⁄16, 1 ¹ ⁄8, 1 ^{3⁄} 16, 1 ¹ ⁄4	4 ⁷ ⁄ ₁₆ 112.71	3 [%] 16 90.49	3 ⁵ ⁄8 92.08	2 ¹³ ⁄ ₁₆ 71.44	¹³ / ₃₂ 10.31	¹¹ ⁄ ₃₂ 8.73	0.104 2.64	62	1100 4900	0.19	M78SR
T72MSTR	1 ¹ ⁄4, 1 ⁵ ⁄16, 1 ³ ⁄8, 1 ⁷ ⁄16	5 ¹ ⁄ ₃₂ 127.79	3 ¹⁵ ⁄ ₁₆ 100.01	4 ^{3⁄} 16 106.36	3 ³ ⁄ ₁₆ 80.96	¹³ ⁄ ₃₂ 10.31	³⁄8 9.53	0.104 2.64	72	1400 6300	0.25	
	·				3 BOL	T ROUND						
40MS	¹ ⁄2, ⁹ ⁄16, ⁵ ⁄8	3 ³ ⁄ ₁₆ 80.96	2½ 63.50	—	1 ⁷ ⁄8 47.63	%₂ 7.14	⅔₂ 7.14	0.075 1.905	40	600 2650	0.15	
47MS	3⁄4	3 [%] 16 90.49	2 ¹³ ⁄ ₁₆ 71.44	-	2 ³ ⁄ ₁₆ 55.56	¹¹ ⁄ ₃₂ 8.73	⁵⁄ ₁₆ 7.94	0.083 2.11	47	700 3100	0.19	M59SR
52MS	¹³ ⁄16, ⁷ ⁄8, ¹⁵ ⁄16, 1	3¾ 95.25	3 76.20	—	2 ³ ⁄8 60.33	¹¹ ⁄ ₃₂ 8.73	³ ⁄8 9.53	0.083 2.11	52	800 3550	0.20	M65SR
52MS-2	¹³ ⁄16, ⁷ ⁄8, ¹⁵ ⁄16, 1	3¾ 95.25	3 76.20	-	2¾ 60.33	¹¹ ⁄ ₃₂ 8.73	³ ⁄ ₈ 9.53	0.104 2.64	52	1000 4450	0.24	M65SR
62MS	1 ¹ ⁄16, 1 ¹ ⁄8, 1 ³ ⁄16, 1 ¹ ⁄4	4 ⁷ ⁄ ₁₆ 112.71	3 [%] 16 90.49	_	2 ¹³ ⁄ ₁₆ 71.44	¹³ / ₃₂ 10.31	³ ⁄ ₈ 9.53	0.104 2.64	62	1100 4900	0.28	M78SR
72MS	1 ¹ ⁄4, 1 ⁵ ⁄16, 1 ³ ⁄8, 1 ⁷ ⁄16	4 ¹³ ⁄ ₁₆ 122.24	3 ¹⁵ ⁄ ₁₆ 100.01	_	3 ³ ⁄ ₁₆ 80.96	¹³ / ₃₂ 10.31	⁷ / ₁₆ 11.11	0.104 2.64	72	1400 6220	0.54	

For Torque rated flangettes, add the prefix "T".

Add, "ZP" for standard zinc plate and "YZP" for yellow dichromate finishes.

Special designs available upon request.



4 Bolt Self-Aligning Flangettes

Many LUTCO customers have switched from the round to the square design. The square design is more cost effective and the load ratings are equivalent.

- Allows for initial . bearing self alignment
- Ideal in applications • with space constraints
- Most sizes available • in torque rated versions
- Zinc and yellow • dichromate platings available for corrosion protection
- Accommodates indus-• try standard metric spherical OD bearings
- All units are non-relubricatable



C MIN FRAME OPENING

G -

D

		Α	A1	В	С	D	E	F	G	RADIAL	UNIT
PART NUMBER	Shaft DIA (inches)	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	nom. mm	LOAD LBS. N	WT. LBS.
					4 BOLT SC	UARE	•				
T80MS-S	11/2, 19/16	5 ⁷ / ₈ 149.23	4¾ 120.65	4 ¹¹ ⁄16 119.06	3 [%] 16 90.49	[%] 16 14.28	¹⁷ / ₃₂ 13.49	0.134 3.40	80	1700 7500	0.58
T80MS-S4	1½, 1 ⁹ ⁄16	5 ⁷ ⁄8 149.23	4¾ 120.65	4 ¹¹ ⁄ ₁₆ 119.06	3 [%] 16 90.49	⁹ ⁄16 14.28	¹⁷ ⁄ ₃₂ 13.49	0.149 3.78	80	1900 8500	0.68
T85MS-S	1 ⁵ /8, 1 ¹¹ /16, 1 ³ /4	5 ⁷ / ₈ 149.23	4¾ 120.65	4¾ 120.65	3 ³ ⁄ ₄ 95.25	¹⁹ ⁄ ₃₂ 15.09	¹⁷ / ₃₂ 13.49	0.134 3.40	85	1700 7500	0.56
T85MS-S5	1 ⁵ %, 1 ¹¹ /16, 1 ³ ⁄4	5 ⁷ ⁄8 149.23	4¾ 120.65	4¾ 120.65	3 ³ ⁄ ₄ 95.25	⁵ ⁄ ₈ 15.88	¹⁷ / ₃₂ 13.49	0.149 3.78	85	1900 8500	0.66
87MS-S	Square bore ⁷ / ₈	5 ⁷ / ₈ 149.23	4¾ 120.65	4 ³ ⁄ ₄ 120.65	3 ⁷ / ₈ 98.43	5% 15.88	¹⁷ / ₃₂ 13.49	0.134 3.40	87	1700 7500	0.56
90MS-S	1 ¹³ /16, 1 ⁷ /8, 1 ¹⁵ /16	6½ 165.10	5 ¹ ⁄ ₄ 133.35	5 127.00	4 101.60	¹ / ₂ 12.70	¹⁷ / ₃₂ 12.70	0.149 3.78	90	2300 10200	0.72
* 100MS-S	2, 2 ¹ ⁄ ₁₆ , 2 ¹ ⁄ ₈ , 2 ³ ⁄ ₁₆	6¾ 171.45	6 152.40	5 ^{7⁄16} 138.11	4 ⁷ ⁄16 112.71	⁹ ⁄ ₁₆ 14.28	¹⁷ ⁄ ₃₂ 13.49	.149 3.78	100	1700 7500	0.94
					4 BOLT R	OUND					
80MS	1 ¹ /2, 1 ⁹ /16	5 ¹³ ⁄ ₁₆ 147.64	_	4 ¹¹ ⁄ ₁₆ 119.06	3 [%] 16 90.49	¹³ ⁄ ₃₂ 10.32	¹⁷ / ₃₂ 13.49	0.134 3.40	80	2100 9500	0.70
80MS-4	1 ¹ /2, 1 ⁹ /16	5 ^{13⁄₁₆ 147.64}	—	4 ¹¹ ⁄ ₁₆ 119.06	3 [%] 16 90.49	¹³ ⁄ ₃₂ 10.32	¹⁷ / ₃₂ 13.49	0.149 3.78	80	2100 9500	0.72
85MS	15%, 1 ¹¹ /16, 1 ³ /4	5 ⁷ ⁄8 149.23	-	4¾ 120.65	3¾ 95.25	³¹ ⁄ ₆₄ 12.29	¹⁷ ⁄ ₃₂ 13.49	0.134 3.40	85	2100 9500	0.70
90MS	1 ¹³ /16, 1 ⁷ /8, 1 ¹⁵ /16	6 ¹ ⁄ ₈ 155.58	—	5 127.00	4 101.60	¹ / ₂ 12.70	¹⁷ / ₃₂ 13.49	0.149 3.78	90	2400 10500	0.75
100MS	2, 2 ¹ / ₁₆ , 2 ¹ / ₈ , 2 ³ / ₁₆	6 [%] 16 166.69	-	5 ^{7⁄16} 138.11	4 ⁷ ⁄ ₁₆ 112.71	[%] 16 14.28	¹⁷ / ₃₂ 13.49	0.149 3.78	100	2900 12500	0.85

* Check with factory for availability

For Torque rated flangettes, add the prefix "T".

Add, "ZP" for standard zinc plate and "YZP" for yellow dichromate finishes.

Special designs available upon request.



Relube Self-Aligning Flangettes

Flangettes MSA and MSA-S have a grease fitting and a grease groove in the bore which allows the grease to enter the holes in the outer ring of the bearing.

Flangettes MSB and MSB-S, contain a similar grease groove in the bore for the same purpose.

With the grease groove in both flangettes, the bearing can be reversed in the assembly and still be relubricated.

- Allows for initial bearing self alignment
- Designs come in both round and square types
- Most sizes available in torque rated versions
- Various grease fitting types available
- Zinc and yellow dichromate platings available for corrosion protection
- Accommodates industry standard metric spherical OD bearings



		Α	В	С	D	E	F	G	RADIAL				
PART NUMBER	Shaft DIA (inches)	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	nom. mm	LOAD LBS. N	UNIT WT. LBS.	TYPE	FITTING #	LUTCO BEARING
G52MSA					¹³ / ₃₂		0.083		800	0.25	#2	#1	
G52MSA-3	¹³ ⁄ ₁₆ , ⁷ ⁄ ₈ ,	3 ³ ⁄4	3	2 ³ ⁄8	10.32 ³ ⁄8	11/32	0.104	52	1000	0.31	#2	#2	M65SR
G52MSB	'%16, 1	95.25	76.20	60.33	9.53 ¹³ ⁄ ₃₂ 10.32	8.73	2.64 0.083 2.11		4550 800 3550	0.20	#2	Gr. Rec.	
G62MSA					³ / ₈		0.104		1100	0.33	#2	#1	
G62MSA-3					²⁷ / ₆₄		0.134		1450	0.43	#2	#1	
G62MSA-5	11/16, 11/8,	41/16	3 ⁹ ⁄16	2 ²⁷ ⁄32	10.72 3⁄8	¹³ /32	0.104	62	6200 1100	0.33	#2	#2	M78SR
G62MSA-6	1%16, 11/4	112.71	90.49	72.24	9.53 ²⁷ ⁄ ₆₄ 10.72	10.32	2.64 0.134 3.4		4900 1450 6200	0.43	#2	#2	
G62MSB					3% 0.52		0.104		1100	0.28	#2	Gr. Rec.	
G62MSB-3					9.53 ²⁷ ⁄ ₆₄ 10.72		2.04 0.134 3.4		4900 1450 6200	0.38	#2	Gr. Rec.	
G72MSA G72MSA-2 G72MSB	1¼, 15/16, 1¾, 17/16	4 ¹³ ⁄ ₁₆ 122.24	3 ¹⁵ ⁄16 100.01	3 ⁷ ⁄ ₃₂ 81.74	¹⁵ ⁄ ₃₂ 11.91	¹³ / ₃₂ 10.32	0.134 3.4	72	1400 6220	0.59 0.59 0.54	#2 #2 #2	#1 #2 Gr. Rec.	
G80MSA G80MSA-2 G80MSB	1½, 1 ⁹ /16	5 ¹³ ⁄ ₁₆ 147.64	4 ¹¹ ⁄ ₁₆ 119.06	3 ^{9⁄} 16 90.49	¹⁹ ⁄ ₃₂ 15.09	¹⁷ / ₃₂ 13.49	0.149 3.78	80	1700 7500	0.75 0.75 0.70	#3 #3 #3	#1 #2 Gr. Rec.	-
TG80MSA-S TG80MSA-S2 TG80MSB-S	11/2, 19/16	4 ³ ⁄ ₄ 120.65	4 ¹¹ ⁄ ₁₆ 119.06	3 ⁹ ⁄16 90.40	¹⁹ ⁄ ₃₂ 15.09	¹⁷ / ₃₂ 13.49	0.149 3.78	80	1700 7500	0.65 0.65 0.60	#1 #1 #1	#1 #2 Gr. Rec.	
G85MSA G85MSA-3 G85MSB	1%, 1 ¹¹ /16, 1¾	5 ⁷ ⁄8 149.23	4 ³ ⁄ ₄ 120.65	3 ³ ⁄4 95.25	⁵ ⁄ ₈ 15.88	¹⁷ ⁄ ₃₂ 13.49	0.149 3.78	85	1700 7500	0.75 0.75 0.70	#3 #3 #3	#1 #2 Gr. Rec.	
G85MSA-S G85MSA-S2 G85MSB-S	1 ⁵ %, 1 ¹¹ /16, 1 ³ ⁄4	4 ³ ⁄ ₄ 120.65	4 ³ ⁄ ₄ 120.65	3 ³ ⁄4 95.25	¹⁹ / ₃₂ 15.09	¹⁷ / ₃₂ 13.49	0.149 3.78	85	1700 7500	0.65 0.65 0.60	#1 #1 #1	#1 #2 Gr. Rec	
G90MSA	1 ¹³ ⁄16, 1 ⁷ ⁄8,	6 ¹ /8	5	4	1/2	17/32	0.164	90	1900	0.80	#3	#1	
G90MSB	1 ¹⁵ ⁄16	155.58	127.00	101.60	12.70	13.49	4.16		8500	0.75	#3	Gr. Rec.	
G90MSA-S2 G90MSA-S4 G90MSB-S2	1 ³ /16, 1 ⁷ /8 1 ¹⁵ /16	5 ¹ ⁄4 133.35	5 127.00	4 101.60	½ 12.70	¹⁷ ⁄ ₃₂ 13.49	0.149 3.78	90	1900 8500	0.85 0.85 0.80	#1 #1 #1	#2 #1 Gr. Rec.	
G100MSA	2, 2 ¹ ⁄16,	6 ⁹ ⁄16	5 ⁷ ⁄16	47⁄16	¹⁹ /32	17/32	0.164	100	2300	0.90	#3	#1]
G100MSA-2 G100MSB	2 ¹ /8, 2 ³ /16	166.69	138.11	112.71	15.09	13.49	4.16		10200	0.90 0.85	#3 #3	#2 Gr. Rec.	



Stamped Strap Mount Pillow Blocks

- Two piece housings
- Zinc and yellow dichromate platings available for corrosion protection
- Accommodates industry standard metric spherical OD bearings
- Available with rubber grommet to dampen noise and vibration while providing quiet operation
- All units are non-relubricatable



Part Number	Shaft DIA (inches)	Α	в	с	D	Е	F	G	н	J	к	LUTCO BEARING
40PB	¹ /2, ⁹ /16, ⁵ /8	1"	35⁄8	2 ¹ 1⁄16	1/2	¹¹ / ₃₂	1 ³ ⁄ ₄	7⁄8	40 mm	.133	¹³ ⁄16	
47PB	3⁄4	1"	4 ⁵ ⁄32	3	1/2	¹³ ⁄ ₃₂	2"	1"	47 mm	.156	²⁹ /32	M59SR
52PB	¹³ / ₁₆ , ⁷ / ₈ , ¹⁵ / ₁₆ , 1	1 ¹ / ₈	41/2	3 ³ / ₈	⁹ ⁄16	¹³ / ₃₂	2 ⁷ / ₃₂	1 ¹ / ₈	52 mm	.208	³¹ / ₃₂	M65SR
62PB	1 ¹ /16, 1 ¹ /8, 1 ³ /16, 1 ¹ /4	1 ¼	4 %	3¾	⁹ ⁄16	¹³ / ₃₂	25%	1 ¹¹ / ₃₂	62 mm	.238	1 ¾16	M78SR
72PB	11/4, 15/16, 13/8, 17/16	1 ⁵ ⁄16	5 ³ ⁄4	4 ¹ / ₄	3⁄4	17/32	3 ¹ /8	1 ⁹ ⁄16	72 mm	.238	1 ⁷ ⁄ ₃₂	

PB strap mount pillow blocks are an economical alternative to heavier cast units. Generally used for light duty applications, the unit consists of a two piece separable stamped steel housing with spherical bearing seat.

Stamped Strap Mount Pillow Blocks Rubber Mount



Part Number	Shaft DIA (inches)	Α	в	с	D	Е	F	G	н	J	к	LUTCO BEARING
47PBR	¹ / ₂ , ⁹ / ₁₆ , ⁵ / ₈	1"	4 ⁵ ⁄32	3	1/2	¹³ ⁄ ₃₂	2"	1"	40 mm	.156	²⁹ / ₃₂	
52PBR	3⁄4	1 ½	4½	3 %	⁹ ⁄16	¹³ ⁄ ₃₂	2 ⁷ / ₃₂	1 ¹ / ₈	47 mm	.208	³¹ / ₃₂	M59SR
62PBR	¹³ / ₁₆ , ⁷ / ₈ , ¹⁵ / ₁₆ , 1	1 ¼	4 %	3¾	⁹ ⁄16	¹³ ⁄ ₃₂	25⁄8	1 ¹¹ / ₃₂	62 mm	.238	1 ³ ⁄16	M65SR
72PBR	1 ¹ / ₁₆ , 1 ¹ / ₈ , 1 ³ / ₁₆ , 1 ¹ / ₄	1 ⁵ ⁄16	5 ³ ⁄4	4 ¹ / ₈	3⁄4	17/32	3 ¹ /8	1 ⁹ ⁄16	62 mm	.238	1 ⁷ / ₃₂	M78SR

PBR assemblies have a rubber bearing liner for use in applications requiring minimum vibration and noise proof mounting.



Stamped Take-Up Units

MSTU Series

The MSTU pressed steel take-up unit is a light duty, economical assembly for belt tightening and shaft adjustment. It is adaptable either to guide-type or bolt-type methods of mounting.

The MSTU take-up unit requires a standard 2 bolt flangette and is designed to be used with a spherical bearing. Zinc plating is standard on this unit.

- Adjustable to either guide-type or bolttype method of mounting
- Made to pair with mating 2-bolt flangettes
- Zinc plating is standard corrosion protection
- Accommodates industry standard metric spherical OD bearings
- All units are non-relubricatable



Part Number	Shaft DIA (inches)	A	в	с	D	Е	F	н	J	к	L	м	Radial Load Rating	Unit Wt.	Mating Flangette No.	LUTCO BEARING
		in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs. N	lbs. kg.		
52 MSTU	¹³ ⁄ ₁₆ , ⁷ ⁄ ₈ , ¹⁵ ⁄ ₁₆ , 1	4 ¹ ⁄ ₈ 104.8	8 203.2	¹¹ / ₃₂ 8.7	3 76.2	4¼ 107.9	2 ¹³ ⁄16 71.4	.083 2.1	1 ^{5⁄} 16 33.3	¹³ ⁄ ₃₂ 10.3	1½ 38.1	¹¹ / ₃₂ 8.7	800 3550	1.38 .626	52 MST (ZP)	M65SR
62 MSTU	1 ¹ /16, 1 ¹ /8, 1 ³ /16, 1 ¹ /4	4½ 114.3	8 203.2	³ / ₈ 9.5	3 [%] 16 90.5	4¼ 107.9	3 ³ ⁄16 81.0	.104 2.6	1 ¹⁵ ⁄ ₃₂ 37.3	⁷ ⁄16 11.1	1 ³ ⁄4 44.5	¹³ ⁄ ₃₂ 10.3	1100 4900	1.93 .875	62 MST (ZP)	M78SR

MSTU requires a two bolt flangette as noted. (Must be ordered separately.)

Stamped Pillow Block Stand

PBS stamped pillow blocks offer an economical way to meet light duty, moderate speed requirements. Heavy gage, zinc plated steel provides sturdy construction.

PBS units are made with the same precision bearing seat as furnished with the flangettes to provide an accurate bearing to housing fit. PBS requires a two bolt flangette as noted. Must be ordered separately.

- Made to pair with mating 2-bolt flangette
- Zinc plating is standard corrosion protection
- Accommodates industry standard metric spherical OD bearings
- All units are non-relubricatable





Day	rt	Shaft DIA		INCHES							Mating Flangette	Radial Load							
Nu	mber	(inches)	Α	B1	B2	С	D	Е	F	G	Н	J	К	L	М	N	Р	No.	Lbs.
40	PBS	1⁄2, 9⁄16, 5⁄8	1 ³ ⁄16	35%	5%8	4 %	2 ¹¹ /32	21⁄2	11%	7⁄8	%16	1"	.104	1 %2	⁹ ⁄32	13/32	13/32	40 MST (ZP)	750
47	PBS	3⁄4	1 ⁵ ⁄16	3 ¹³ ⁄16	5/8	5	25%	2 ¹³ ⁄16	15/16	⁵⁹ ⁄64	²¹ / ₃₂	1 ¹ ⁄16	.119	13/8	11/32	15/32	13/32	47 MST (ZP)	900
52	PBS	¹³ ⁄ ₁₆ , ⁷ ⁄ ₈ , ¹⁵ ⁄ ₁₆ , 1	17/16	3¾	13/16	5¼	2 ²⁷ / ₃₂	3	1½	⁵⁹ ⁄64	11/16	1"	.134	1 ¹¹ / ₃₂	11/32	7⁄16	7⁄16	52 MST (ZP)	1000
621	PBS	1 ¹ /16, 1 ¹ /8, 1 ³ /16, 1 ¹ /4	1 ¹¹ / ₁₆	4 ¹¹ / ₁₆	7⁄8	6¼	3 ¹ / ₃₂	3%16	1 ⁴⁷ ⁄64	13⁄64	²³ /32	1 ³ ⁄16	.134	1 %16	¹³ / ₃₂	% ₁₆	%16	62 MST (ZP)	1400
72	PBS	1 ¹ /4, 1 ⁵ /16, 1 ³ /8, 1 ⁷ /16	1 1 1/8	5	7/8	6½	3 ²³ /32	3 ¹⁵ /16	2 ¹ /8	15/32	55/64	1 ²⁵ ⁄64	.149	1 ⁵¹ ⁄64	¹³ / ₃₂	37/64	⁹ ⁄16	72 MST (ZP)	1750



Unground Ball Cam Followers – Stud Type



Actual Size: 1.5" OD, 2" length

Lutco unground ball cam followers are an economical alternative to more expensive precision designs. A large number of applications utilize precision or ground cam followers when unground designs can provide the same rugged durability at a substantial cost savings.

Construction

Cam followers consist of either one or two complements of balls, machined stud, roll burnished outer and inner raceways and a stamped dust shield.

These units are made with either a cylindrical or spherical OD to accommodate any angular misalignment. Ball bearing construction allows for appreciably more axial loading than equivalent sized roller bearing designs. The integral stud permits cantilever mounting.

Design Options

Stud mounted cam followers are designed with features such as internal hex sockets or screwdriver slots in the end of the stud to prevent it from turning when the nut is being tightened. Stud shank modifications can also be incorporated into the designs. Heavy duty seals are utilized for harsh environment applications.

Lubrication

All cam followers are packed with Alpha 2000-HD premium grease. The units are ready for no maintenance operation under most operating conditions. Special greases are available upon request.

Surface Treatment

Upon request, cam followers may be obtained with zinc plating or black oxide finish on the rolling surface or stud. For these and other modifications, please consult Lutco Engineering.

Applications

Lutco cam followers are used in a variety of agricultural, material handling and general industry applications.

Custom Cam Followers

Dimensionally unique cam followers can be obtained if quantities permit economical production. Lutco cam followers are offered in sizes up to 2" OD and 3.5" stud length.



Agriculture Applications

GATHERING CHAIN IDLER SPROCKET

This 8-tooth idler sprocket uses a riveted assembly design instead of welded. This enables Lutco to provide hardened teeth to improve durability of the sprocket assembly. It also incorporates a stamped debris shield to protect the seals and bearing from contamination, improving life of the assembly.





RATCHETING SPROCKET ASSEMBLY

This ratcheting sprocket assembly demonstrates Lutco's breadth of capabilities in forming, stamping, machining, welding, and assembly. Lutco's engineering capabilities were used in the design of the product and manufacturing processes to optimize quality, cost, and performance.

BALL BEARING SPROCKET ASSEMBLIES

This integrated assembly combines 19 and 11 tooth stamped sprockets affixed to a machined shaft, a 2-bolt centerflange bearing assembly, a powdered metal coupler, a plastic handle and spring actuated locking system. This item demonstrates Lutco's ability to offer a completely integrated product.



Lawn and Garden Applications

ANGULAR CONTACT BEARINGS

This semi-precision bearing is designed for applications where a combination of radial and thrust loads are present and, therefore, thrust and/or radial load carrying capability is required. This bearing is an ideal alternative to the traditional cup and cone tapered roller bearing. Because of its ability to accept a significant amount of press fit, the need to machine the housing bore is eliminated. An integral seal on the outboard end also eliminates the need for an external seal.





STAMPED IDLER SPROCKETS

This family of products features an unground ball bearing captured by welded stamped sprocket halves. The arrangement provides an economical solution to more expensive machined or riveted units.

TRUNNION BEARINGS

This economical product family incorporates a hex bore extended inner race mounted to a triangular plate and a bearing assembly captured in a trunnion style housing. Trunnion bearings are used in snowblower drive systems.





Material Handling Applications

NEEDLE BEARING TRACK ROLLER

This track roller assembly utilizes a needle roller bearing for greater load carrying capacity in a more compact design compared to a traditional ball bearing. The low cost unground housing is machined from high strength steel and plated for corrosion protection.



CABLE GUIDE

This machined unit features a 2-piece pressed together inner race and land riding seals for protection against debris.

CENTERFLANGE BEARINGS

This family of products features an unground ball bearing captured by welded stamped flangettes. The arrangement provides an economical alternative to riveted designs. Parts can be supplied with or without a grease fitting.





SPEED SENSOR HOUSING

This flange with an integrated sensor housing uses Lutco's deep-draw capability to manufacture the flange and sensor housing in a single part. This simplifies the assembly processes, reduces the number of parts, improves robustness/durability of the unit, and eliminates that risk of contamination inherent in multi-part assemblies. This unit can be provided with or without a grease fitting.





STAMPED AUGER SUPPORT

This grain auger support represents a Lutco concept optimized to meet customer needs and taken to a production design. Improvements over the existing cast unit includes reduced surface area, lighter weight, lower cost, simpler/more rugged design, and fewer parts enabling simpler assembly.

LINEAR ACTUATOR BRAKE ASSEMBLY

Brake assemblies consist of a full complement of steel balls, a flanged raceway and a square cross section spring. The steel balls take up thrust loads while enabling the two brake halves to rotate relative to each other. The spring acts as a braking mechanism.



Load Ratings

For LUTCO Radial Bearings

Load Rating and Fatigue Life

Load ratings printed in the LUTCO catalog have been established from years of experience in the use of unground bearings. Load ratings are based on ninety percent of the group surviving for 500 hours. Environment, shock loading, sealing, temperature, lubrication, heat, configuration of ball tracks and speeds under load, all directly influence bearing life. Printed ratings are to be used only as a guide in the design for a given application. We advise field testing in order to assure the suitability of a bearing for a particular application. We do not recommend accelerated testing, as it may not be representative of actual field conditions.

Basic Radial Load Rating

The load ratings are based on the following formula for unground radial ball bearings:

- KZD ²	K values for v	arious RPM
$P = \frac{N E D}{5}$	RPM	K
P = Safe working load in lbs. $K = RPM constant for safe loads$ $Z = Number of balls$ $D = Ball diameter expressed in eighths of an inch$ $1/8" = 1 3/16" = 1.5$ $1/4" = 2 5/16" = 2.5$ $3/8" = 3$	10 50 100 200 300 400 500 600	79.70 58.25 44.40 33.15 30.20 26.80 25.20 23.40
Above values are for inner race turning.	700	22.00

For outer race turning, multiply by .85

Thrust Capacity

All LUTCO ball bearings will sustain a thrust load of 50% of the rated radial load. (The combined radial and thrust load should not exceed the indicated radial load.) It is suggested that if there is a question regarding the LUTCO bearing capacity for a specific application, please call the factory.

Wheel RPM.

To calculate RPM of a wheel when miles per hour and wheel diameter are known:

$$RPM = \frac{MPH \times 5280}{60 (3.1416) \text{ wheel dia. in inches}}$$

Simplifying,

 $RPM = \frac{336.12 \text{ x miles per hour}}{\text{wheel dia. in inches}}$

To calculate RPM of a wheel when linear feet per minute and wheel diameter are known:

$$RPM = \frac{\text{feet per minute}}{(3.1416) \text{ wheel dia. in inches}}$$
12

Simplifying,

$$RPM = \frac{3.82 \text{ x feet per minute}}{\text{wheel dia. in inches}}$$

Thrust Bearings



The information contained in this catalog is intended only as a guide for bearing selection. As there are many variables that impact bearing performance, it is recommended that actual application testing be undertaken to assure required life and performance.



Radial Load Ratings



Charts to be used as a guide only. Consult factory for higher RPM. Above charts are for inner race turning. For outer race turning, multiply by .85.



Interchange Table

LUTCO UNGROUND RADIAL SERIES, FULL BALL COMPLEMENT INTERCHANGE						
LUTCO	Nice	General	Schatz			
28R16MP	400–4	21404–01	A1628			
28R24MP	400–6	21481–01	A2428			
36R24MP	_	21846–01	A2436			
36R28MP	407–21	21817–01	A2836			
36R32MP	407–22	21803–01	A3236			
44R32MP	408–28	22213-01	A5244			
44R40MP	410–30	22211-01	A4044			
48R32MP	400–31	22405–01	A3248			
48R40MP	400–33	22407–01	A4048			
56R32MP	_	22801–01	A3256			
56R48MP	_	22807–01	A4856			
64R48MP	_	23201–01	A4864			
64R64MP	416–41	23210–01	A6464			

LUTCO UNGROUND FLANGED SERIES, FULL BALL COMPLEMENT INTERCHANGE							
LUTCO	Nice	General	Schatz				
36F20MP	5507	32017–01	—				
36F24MP	5368	32004–01	AF2436				
36F32MP	5491	32108–01	AF3236				
44F32MP	5881	32420–01	AF3244				
44F40MP	5273	32421–01	AF4044				
44LF48MP	_	32423–01					
48F32MP	5327	32703–01	AF3248				
48F40MP	5659	32704–01	AF4048				
56F32MP	—	33006–01	AF3256				
56F48MP	5891	33103–01	AF4856				
64F48MP	5875	33408–01	AF4864				
64F64MP	5418	33409–01	AF6464				

LUTCO THRUST BEARINGS: BANDED, UNGROUND FULL COMPLEMENT INTERCHANGE								
LUTCO	Nice	General	Schatz					
27T16	601	4450-00	AT1627					
28T29	602 ³ ⁄ ₄	4453-00	AT2928A					
32T32	603 ¹ ⁄4	4455–00	AT3232					
33T24	602	4451-00	AT2434A					
36T40	605	4457–00	AT4036					
A40TA32	603	4454–00	AT3241A					
46T40	606	4458–00	AT4046A					
53T48	607	4459–00	AT4853					
56T65	610 ¹ ⁄4	4464-00	AT6556					
60T56	608	4460-00	AT5661A					
63T64	610	4463-00	AT6463					
63T68	611	4465-00	AT6863					
64T64	609	4462-00	AT6465A					
64TN64	609	4462–00	AT6465A					
67T72	613	4466-00	AT7267					
83T96	621	4475-00	AT9683					
84T81D	_	_	—					
94T128	_	_	_					
99T112	_	4477-00	_					
107T128	_	4480-00	_					



Interchange Table

	LUTCO FLANGETTE INTERCHANGE						
LUTCO	MANITOU	TIMKEN	FEDERAL MOGUL	SKF	INA	NTN	Canimex
40MST-ZP	40M-2ZP	40MST	40MSTW	PFT40	40MST	PFL203	PFL3Z(40M2-Z)
40MS-ZP	40MM-3ZP	40MS	40MSW	PF40		PF203	PF3Z(40MM3-Z)
47MST-ZP	47M-2ZP	47MST	47MSTW	PFT47	47MST	PFL204	PFL4Z(47M2-Z)
47MS-ZP	47MM-3ZP	47MS	47MSW	PF47		PF204	PF4Z(47MM3-Z)
47MSTR-ZP	47MM-3TZP	47MSTR	47MSTRW	PFD47	47MSTR		
T52MST-ZP	52M-2ZP	52MST	52MSTW	PFT52	52MST	PFL205	PFL5Z(52M2-Z)
52MST-3ZP	52M-2BZP	52MST-3					
52MS-ZP	52MM-3ZP	52MS	52MSW	PF52		PF205	PF5Z(52MM3-Z)
52MS-2ZP	52MM-3EZP	52MS-2					
T52MSTR-ZP	52MM-3TZP	52MSTR	52MSTRW	PFD52	52MSTR		PF5ZT(52MM3T-Z)
G52MSA-ZP	52MM-3GZP	G52MSA	G52MS		52MSA		PF5ZG(52MM3G-Z)
G52MSB-ZP	52MM-3GPZP	G52MSB	52MSA		52MSB		
62MST-ZP	62M-2ZP	62MST	62MSTW	PFT62	62MST	PFL206	PFL6Z(62M2-Z)
62MST-2ZP	62M-2BZP	62MST-3					-
62MS-ZP	62MM-3ZP	62MS	62MSW	PG62		PF206	PF6Z(62MM3-Z)
62MS-2ZP	62MM-4ZP	62MS-2					
62MS-4ZP	62MM-3BZP						
T62MSTR-ZP	62MM-3TZP	62MSTR	62MSTRW	PFD62	62MSTR		PF6ZT(62MM3T-Z)
TG62MSA-ZP	62MM-3GZP	G62MSA	G62MS		62MSA		PF6ZG(62MM3G-Z)
G62MSA-3ZP	62MM-3G-3ZP	G62MSA-3					
TG62MSB-ZP	62MM-3GPZP	G62MSB	62MSA		62MSB		PF6ZGP(62MM3GP-Z)
G62MSB-3ZP	62MM-3GP-3ZP	G62MSB-3					
72MS-ZP	72MM-3ZP	72MS	72MSW	PF72		PF207	PF7Z(72MM3-Z)
72MS-5ZP	72MM-4ZP	72MS-5					
72MS-7ZP	72MM-3CZP						
72MST-ZP	72M-2ZP	72MST	72MSTW	PFT72	72MST	PFL207	PFL7Z(72M2-Z)
72MST-3ZP	72M-2BZP						
T72MSTR-ZP	72MM-3TZP	72MSTR		PFD72			
TG72MSA-ZP	72MM-3GZP	G72MSA			72MSA		PF7ZG(72MM3G-Z)
TG72MSB-ZP	72MM-3GPZP	G72MSB			72MSB		PF7ZGP(72MM3GP-Z)
80MS-ZP	80MM-4ZP	80MS		PF80			PF8-4Z(80MM4-Z)
T80MS-SZP	80MM-4SQZP		80MSW				
G80MSA-ZP	80MM-4GZP	G80MSA			80MSA		
TG80MSA-SZP			G80MS				
G80MSB-ZP	80MM-4GPZP	G80MSB			80MSB		
TG80SMB-SZP			80MSA				
85MS-ZP	85MM-4ZP	85MS					
T85MS-SZP	85MM-4BSQZP		85MSW				
G85MSA-ZP	85MM-4GZP	G85MSA			85MSA		
G85MSA-SZP			G85MS				
G85MSB-ZP	85MM-4GPZP	G85MSB			85MSB		
G85MSB-SZP			85MSA				
87MS-SZP			87MSW				
90MS-ZP	90MM-4ZP	90MS	90MSW				
G90MSA-ZP	90MM-4GZP	G90MSA	G90MS		90MSA		
G90MSB-ZP	90MM-4GPZP	G90MSB	90MSA		90MSB		
100MS-ZP	100MM-4ZP	100MS	100MSW				
G100MSA-ZP	100MM-4GZP	G100MSA	G100MS		100MSA		
G100MSB-ZP	100MM-4GPZP	G100MSB	100MSA		100MSB		

LUTCO STAMPED PILLOW BLOCK INTERCHANGE							
40PB-ZP	40PB-ST-ZP	40PB		P40	40B/T	PP203	
40PBS-ZP	40MPB-STAND-ZP	40PBS			40PBS		
47PB-ZP	47MPB-ST-ZP	47PB		P47	47B/T	PP204	
47PBS-ZP	47MPB-STAND-ZP	47PBS			47PBS		
52PB-ZP	52MPB-ST-ZP	52PB		P52	52B/T	PP205	
52PBS-ZP	52MPB-STAND-ZP	52PBS			52PBS		
62PB-ZP	62MPB-ST-ZP	62PB		P62	62B/T	PP206	
62PBS-ZP	62MPB-STAND-ZP	62PBS			62PBS		
72PB-ZP	72MPB-ST-ZP	72PB		P72	72B/T	PP207	
72PBS-ZP	72MPB-STAND-ZP	72PBS			72PBS		



Conversion Tables

LUTCO TWO BOLT SELF-ALIGNING FLUSHMOUNT UNIT INTERCHANGE					
Shaft	LUTCO	Timken			
³ ⁄4"	31SAFLMRA012RRB	VFMST ³ / ₄ "			
7⁄8"	41SAFLMRA014RRB	VFMST ⁷ / ₈ "			
1"	41SAFLMRA100RRB	VFMST 1"			
1 ³ ⁄ ₁₆ "	51SAFLMRA103RRB	VFMST 1 ³ / ₁₆ "			
1 ¼"	51SAFLMRA13RRB2	VFMST 1 ¹ / ₄ "			
1 ⁷ ⁄ ₁₆ "	61SAFLMRA107RRB	VFMST 1 ⁷ / ₁₆ "			

Conversion Tables

FRACTIONS	DECIMALS	MILLIMETERS	FRACTIONS	DECIMALS	MILLIMETERS
	.0156	0.396	33 64	5156	13.096
32	0312	0.793	$\frac{17}{32}$.5312	13.493
	0469	1.190		5469	13.890
	0625	1.587		5625	14.287
	<u> </u>	1.984		5781	14.684
32	— .0937	2.381	<u>19</u> 32	5937	15.081
64	— .1094	2.778	<u>39</u> 64	6094	15.478
	— .1250	3.175		6250	15.875
9 64	1406	3.571		6406	16.271
32	1562	3.968	$\frac{21}{32}$	6562	16.668
64	—.1719	4.365	4 <u>3</u> 64	.6719	17.065
	—.1875	4.762		6875	17.462
	— .2031	5.159		7031	17.859
32	—.2187	5.556	32	7187	18.256
	— .2344	5.953	64	7344	18.653
	2500	6.350		7500	19.050
64	2656	6.746		.7656	19.446
32	2812	7.143	32	7812	19.843
64	2969	7.540	64	7969	20.240
16 A	3125	7.937		8125	20.637
	3281	8.334	27 64	8281	21.034
32 23	3437	8.731	32 55	8437	21.431
64	3594	9.128	64	8594	21.828
8 25	3750	9.525	8	8750	22.225
13 64	3906	9.921	29 64	8906	22.621
32 27	4062	10.318	32 59	9062	23.018
64	4219	10.715	64	9219	23.415
16 29	4375	11.112	16 61	9375	23.812
15 64	4531	11.509	31 64	9531	24.209
32 31	4687	11.906	32 63	9687	24.606
64	—. 4844	12.303	64	9844	25.003
2	5000	12.700		1.0000	25.400

Millimeter (mm) conversion: 1mm = .03937"				
35mm = 1.378"	72mm = 2.835"			
40mm = 1.575"	80mm = 3.150"			
47mm = 1.850"	85mm = 3.346"			
52mm = 2.047"	90mm = 3.543"			
62mm = 2.441"	100mm = 3.937"			



