Plain Bearings

POPULAR SIZE

ACCOR MACHINERY [BEARING] CO.,LTD

CAT.NO.2008JAN

Radial Spherical Plain Bearings & Rod Ends

Radial Spherical Plain Bearings

Spherical plain thrust bearings

Rod ends

Rod ends for hydraulic components

Angular contact spherical plain bearings

Ball joint Rod ends

Characteristic

Part NO.	Characteristic
Radial spherical plain bearings requiring maintenance(steel-on-steel)are made of carbon chromium steel and are hardened and phosphated except for series GEBK…S and GEFZ…S.	The inner and outer ring sliding contact surface are treated with molybdenum disulphide.The outer ring is fractured so that it can be sprung open when the inner ring is inserted.
GEBK…S:	Outer ring is made of carbon steel,with bronze liner;Inner ring of carbon chromium steel,hardened, sliding surface treated with chromium plating.
GEFZ…S:	Outer ring is made of carbon steel,pressed around the inner ring;Inner ring of carbon chromium steel,hardened,sliding surface treated with chromium plating.
GE…C 、GEG…C 、GEFZ…C	Outer rings are made of carbon steel,pressed around the inner ring,with sliding surface of PTFE composite material;Inner rings of carbon chromium steel,hardened,sliding surface treated with chromium plating.
GE...ET-2RS、GEG…ET-2RS、 GEZ…ET-2RS	Outer rings are made of carbon chromium steel,fratured,hardened and phosphated,with sliding surface of PTFE fabric;Inner rings of carbon chromium steel,hardened,sliding surface treated with chromium plating,the 2RS design with two seals at both sides.
GE…XT-2RS 、GEG…XT-2RS、 GEH…XT-2RS	Outer rings are made of carbon chromium steel,axially split twice,held together by retaining rings,hardened and phosphated,with sliding surface of PTFE fabric;Inner rings of carbon chromium steel,hardened,sliding surface treated with chromium plating,the 2RS design with two seals at both sides.

Operating temperature range

Steel-on-steel、steel-on-PTFE composite material and steel-on-PTFE fabric radial sphercial plain bearings can be used at temperature -50℃～+150℃,

Spherical plain bearings with seals can be used at temperature -30℃～+130℃.At higher temperature,the load carrying capacity will be reduced.

Fits of radial spherical plain bearings

Shaft fits

Operating conditions	sliding contact surface combination	
	requiring maintenance	maintenance-free
Loads of all kinds, clearance or transition fit	h6 hardened shaft	h6, g6
loads of all kinds, interference fit	m6	k6

Housing fits

Operating conditions	sliding contact surface combination	
	requiring maintenance	maintenance-free
Light loadsaxial displacement required	H7	H7
heavy loads	M7	K7
light alloy housings	N7	M7

shaft diameter tolerances

shaft diameter mm		shaft diameter tolerance um							
		g6		h6		k6		m6	
over	incl.	High	low	High	low	High	low	High	low
3	6	-4	-12	0	-8	+9	+1	+12	+4
6	10	-5	-14	0	-9	+10	+1	+15	+6
10	18	-6	-17	0	-11	+12	+1	+18	+7
18	30	-7	-20	0	-13	+15	+2	+21	+8
30	50	-9	-25	0	-16	+18	+2	+25	+9
50	80	-10	-29	0	-19	+21	+2	+30	+11
80	120	-12	-34	0	-22	+25	+3	+35	+13
120	180	-14	-39	0	-25	+28	+3	+40	+15

housing bore tolerances

housing bore diameter mm		housing bore tolerances um							
		H7		K7		M7		N7	
over	incl.	low	High	low	High	low	High	low	high
10	18	0	+18	-12	+6	-18	0	-23	-5
18	30	0	+21	-15	+6	-21	0	-28	-7
30	50	0	+25	-18	+7	-25	0	-33	-8
50	80	0	+30	-21	+9	-30	0	-39	-9
80	120	0	+35	-25	+10	-35	0	-45	-10
120	150	0	+40	-28	+12	-40	0	-52	-12
150	180	0	+40	-28	+12	-40	0	-52	-12
180	250	0	+46	-33	+13	-46	0	-60	-14
250	315	0	+52	-36	+16	-52	0	-66	-14

Lubrication

For spherical plain bearings requiring maintenance which are of the steel-on-steel type,the purpose of the lubrication is primarily to reduce wear,friction and prevent scuffing.Also the grease serves to protect the bearings against corrosion.The frequency of relubrication of the bearing during its operation will appreciably extend the service life.

For steel-on-PTFE fabric spherical plain bearings,there is a transfer of PTFE from fabric to the opposing steel surface of the inner ring. Any lubrication of the sliding contact surfaces would disturb this transfer and shorten bearings life. Therefore,lubrication of these bearings is not advisable.

For steel-on-PTFE composite material spherical plain bearings,as a rule,it must not be lubricated. When operating conditions are such that enhanced sealing and protection against corrosion are requited,it is recommended that the bearing or the space surrounding the bearing is filled with lithium base grease.

Tolerances for radial spherical plain bearings

Tolerances for radial spherical plain bearings（Inner ring)

Bearing number	-	6	10	18	30	50	80	120
	6	10	18	30	50	80	120	180
GE...E	0	0	0					
	-0.008	-0.008	-0.008					
GE...ES			0	0	0	0	0	0
GE...ES 2RS			-0.008	-0.010	-0.012	-0.015	-0.020	-0.025
GEG...E	0	0	0					
	-0.008	-0.008	-0.008					
GEG...ES			0	0	0	0	0	0
GEG...ES 2RS			-0.008	-0.010	-0.012	-0.015	-0.020	-0.025
GEEW…ES			0	0	0	0	0	0
			-0.008	-0.010	-0.012	-0.015	-0.020	-0.025
GEEM…ES-2RS				0	0	0		
				-0.010	-0.012	-0.015		
GEF…ES			0	0	0	0	0	0
GE…XS/K			-0.008	-0.010	-0.012	-0.015	-0.020	-0.025
GEZ..ES			0	0	0	0	0	0
GEZ..ES-2RS			-0.008	-0.010	-0.012	-0.015	-0.020	-0.025
GEWZ…ES			0	0	0	0	0	0
GEWZ…ES-2RS			-0.008	-0.010	-0.012	-0.015	-0.020	-0.025
GEGZ…ES					0	0	0	0
GEGZ…ES-2RS					-0.012	-0.015	-0.020	-0.025
GEBK…S	+0.012	+0.015	+0.018	+0.021				
G…PW S…PW	0	0	0	0				
GEFZ…S	+0.038	+0.038	+0.038	+0.038				
GEFZ…C	-0.013	-0.013	-0.013	-0.013				
GE…C	0	0	0	0				
GEG…C	-0.008	-0.008	-0.008	-0.010				
GE…ET-2RS			0	0	0	0	0	
GEG…ET-2RS			-0.008	-0.010	-0.012	-0.015	-0.020	
GE…XT-2RS							0	0
GEG…XT-2RS							-0.020	-0.025
GEZ…ET-2RS				0	0	0	0	0
				-0.010	-0.012	-0.015	-0.020	-0.025
GEH…XT-2RS							0	0
							-0.020	-0.025

Inner ring width tolerance 0 ~ -0.12mm

Tolerances for radial spherical plain bearings(Outer ring)

Bearing number	over	-	18	30	50	80	120	150	180	250
	incl	18	30	50	80	120	150	180	250	315
GE...E		0	0							
		-0.008	-0.009							
GE...ES			0	0	0	0	0	0	0	0
GE...ES 2RS			-0.009	-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	-0.035
GEG...E		0	0							
		-0.008	-0.009							
GEG...ES			0	0	0	0	0	0	0	0
GEG...ES 2RS			-0.009	-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	-0.035
GEEW…ES			0	0	0	0	0	0	0	
			-0.009	-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	
GEEM…ES-2RS				0	0	0				
				-0.011	-0.013	-0.015				
GEF…ES			0	0	0	0	0	0	0	
GE…XS/K			-0.009	-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	
GEZ..ES			0	0	0	0	0	0	0	
GEZ..ES-2RS			-0.009	-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	
GEWZ…ES			0	0	0	0	0	0	0	
GEWZ…ES-2RS			-0.009	-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	
GEGZ…ES					0	0	0	0	0	
GEGZ…ES-2RS					-0.013	-0.015	-0.018	-0.025	-0.030	
GEBK…S		0	0	0	0					
G…PW S…PW		-0.011	-0.013	-0.016	-0.019					
GEFZ…S		0	0	0	0					
GEFZ…C		-0.018	-0.018	-0.018	-0.018					
GE…C		0	0	0	0					
GEG…C		-0.008	-0.009	-0.011	-0.013					
GE…ET-2RS			0	0	0	0	0	0	0	0
GEG…ET-2RS			-0.009	-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	-0.035
GE…XT-2RS								0	0	0
GEG…XT-2RS								-0.025	-0.030	-0.035
GEZ…ET-2RS				0	0	0	0	0	0	
				-0.011	-0.013	-0.015	-0.018	-0.025	-0.030	
GEH…XT-2RS							0	0	0	0
							-0.018	-0.025	-0.030	-0.035

Outer ring width tolerance 0 ~ -0.24mm

Radial internal clearance of radial spherical plain bearings

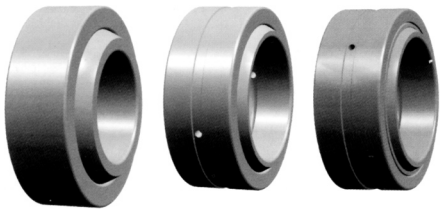
Bearing number	d over～incl(mm)	Group C2 min～ max(μm)	Group normal min～ max(μm)	Group C3 min～max(μm)
GE...E GE...ES GE...ES-2RS GEEW...ES GEEM...ES-2RS	～12	8～32	32～68	68～104
	12～20	10～40	40～82	82～124
	20～35	12～50	50～100	100～150
	35～60	15～60	60～120	120～180
	60～90	18～72	72～142	142～212
	90～140	18～85	85～165	165～245
	140～240	18～100	100～192	192～284
GEG...E GEG...ES GEG...ES-2RS	～10	8～32	32～68	68～104
	10～17	10～40	40～82	82～124
	17～30	12～50	50～100	100～150
	30～35	15～60	60～120	120～180
	50～80	18～72	72～142	142～212
	80～120	18～85	85～165	165～245
	120～220	18～100	100～192	192～284
GEF...ES	～12		32～68	
	12～20		40～82	
	20～35		50～100	
	35～55		60～120	
	55～80		72～142	
	80～120		85～165	
	120～150		100～192	
GE...XS/K	～15		70～125	
	15～30		75～140	
	30～50		85～150	
	50～65		90～160	
	65～80		95～170	
	80～100		100～185	
	100～120		110～200	
	120～150		120～215	
GEZ...ES GEZ...ES-2RS GEWZ...ES GEWZ...ES-2RS	～15. 875		50～150	
	15. 875～50. 8		80～180	
	50. 8～76. 2		100～200	
	76. 2～152. 4		130～230	
GEGZ...ES GEGZ...ES-2RS	12. 7～44. 45		80～180	
	44. 45～69. 85		100～200	
	69. 85～139. 7		130～230	
GEBK...S	～30		0～35	
GEFZ...S	～8		20～60	
	8～14		40～90	
	14～20		50～110	
	20～35		60～120	

Bearing number	d over～incl(mm)	Group C2 min～ max(μm)	Group normal min～ max(μm)	Group C3 min～max(μm)
GE...C G...PW GEG...C S...PW GEFZ...C	～12		4～28	
	12～20		5～35	
	20～30		6～44	
GE...ET-2RS GE...XT-2RS GEZ…ET-2RS	～20		0～40	
	20～35		0～50	
	35～60		0～60	
	60～90		0～72	
	90～140		0～85	
	140～240		0～100	
GEG...ET-2RS GEG…XT-2RS	～30		0～50	
	30～50		0～60	
	50～80		0～72	
	80～120		0～85	
	120～220		0～100	
GEH…XT-2RS	90～120		85～165	
	120～180		100～192	

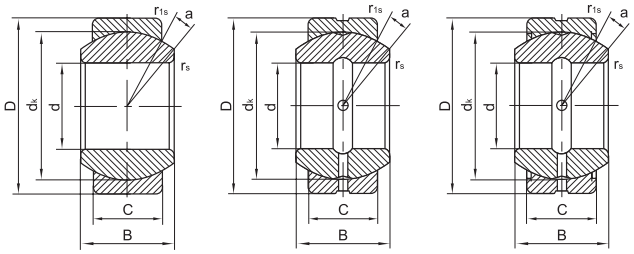
Storage

in clean, dry areas at as constant a temperature as possible at a relative humidity of max. 65%.

Keep the packaging closed as far as possible. plain bearings should not be removed from their original packaging until immediately before fitting.



GE…E GE…ES GE…ES-2RS

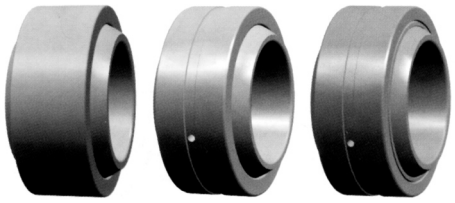


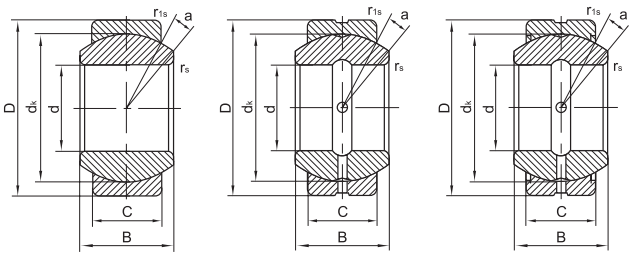
GE…E GE…ES GE…ES-2RS

Sliding contact surfaces: Steel / Steel

Bearing number		Dimensions mm								Load ratings kN		Weight
		d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GE4E		4	12	5	3	8	0.3	0.3	16	2	10	0.003
GE5E		5	14	6	4	10	0.3	0.3	13	3.4	17	0.005
GE6E		6	14	6	4	10	0.3	0.3	13	3.4	17	0.004
GE8E		8	16	8	5	13	0.3	0.3	15	5.5	27	0.008
GE10E		10	19	9	6	16	0.3	0.3	12	8.1	40	0.011
GE12E		12	22	10	7	18	0.3	0.3	10	10	53	0.015
GE15ES	GE15ES-2RS	15	26	12	9	22	0.3	0.3	8	16	84	0.027
GE17ES	GE17ES-2RS	17	30	14	10	25	0.3	0.3	10	21	106	0.041
GE20ES	GE20ES-2RS	20	35	16	12	29	0.3	0.3	9	30	146	0.066
GE25ES	GE25ES-2RS	25	42	20	16	35.5	0.6	0.6	7	48	240	0.119
GE30ES	GE30ES-2RS	30	47	22	18	40.7	0.6	0.6	6	62	310	0.153
GE35ES	GE35ES-2RS	35	55	25	20	47	0.6	1	6	79	399	0.233
GE40ES	GE40ES-2RS	40	62	28	22	53	0.6	1	7	99	495	0.306
GE45ES	GE45ES-2RS	45	68	32	25	60	0.6	1	7	127	637	0.427
GE50ES	GE50ES-2RS	50	75	35	28	66	0.6	1	6	156	780	0.546
GE55ES	GE55ES-2RS	55	85	40	32	74	0.6	1	7	200	1000	0.939
GE60ES	GE60ES-2RS	60	90	44	36	80	1	1	6	245	1220	1.04
GE70ES	GE70ES-2RS	70	105	49	40	92	1	1	6	313	1560	1.55
GE80ES	GE80ES-2RS	80	120	55	45	105	1	1	6	400	2000	2.31
GE90ES	GE90ES-2RS	90	130	60	50	115	1	1	5	488	2440	2.75
GE100ES	GE100ES-2RS	100	150	70	55	130	1	1	7	607	3030	4.45
GE110ES	GE110ES-2RS	110	160	70	55	140	1	1	6	654	3270	4.82
GE120ES	GE120ES-2RS	120	180	85	70	160	1	1	6	950	4750	8.05
GE140ES	GE140ES-2RS	140	210	90	70	180	1	1	7	1070	5350	11.02
GE160ES	GE160ES-2RS	160	230	105	80	200	1	1	8	1360	6800	14.01
GE180ES	GE180ES-2RS	180	260	105	80	225	1.1	1.1	6	1530	7650	18.65

accor machinery Radial spherical plain bearings





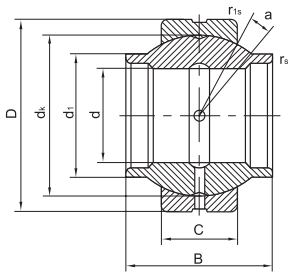
GEG…E GEG...ES GEG…ES-2RS

GEG…E GEG...ES GEG…ES-2RS

Sliding contact surfaces: Steel / Steel

Bearing number		Dimenisions mm								Load ratings kN		Weight
		d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEG4E		4	14	7	4	10	0.3	0.3	20	3.4	17	0.005
GEG5E		5	16	9	5	13	0.3	0.3	21	5.5	27	0.008
GEG6E		6	16	9	5	13	0.3	0.3	21	5.5	27	0.006
GEG8E		8	19	11	6	16	0.3	0.3	21	8.1	40	0.014
GEG10E		10	22	12	7	18	0.3	0.3	18	10	53	0.021
GEG12E		12	26	15	9	22	0.3	0.3	18	16	84	0.033
GEG15ES	GEG15ES-2RS	15	30	16	10	25	0.3	0.3	16	21	106	0.049
GEG17ES	GEG17ES-2RS	17	35	20	12	29	0.3	0.3	19	30	146	0.083
GEG20ES	GEG20ES-2RS	20	42	25	16	35.5	0.3	0.6	17	48	240	0.153
GEG25ES	GEG25ES-2RS	25	47	28	18	40.7	0.6	0.6	17	62	310	0.203
GEG30ES	GEG30ES-2RS	30	55	32	20	47	0.6	1	17	79	399	0.304
GEG35ES	GEG35ES-2RS	35	62	35	22	53	0.6	1	16	99	495	0.408
GEG40ES	GEG40ES-2RS	40	68	40	25	60	0.6	1	17	127	637	0.542
GEG45ES	GEG45ES-2RS	45	75	43	28	66	0.6	1	15	156	780	0.713
GEG50ES	GEG50ES-2RS	50	90	56	36	80	0.6	1	17	245	1220	1.14
GEG60ES	GEG60ES-2RS	60	105	63	40	92	1	1	17	313	1560	2.05
GEG70ES	GEG70ES-2RS	70	120	70	45	105	1	1	16	400	2000	3.01
GEG80ES	GEG80ES-2RS	80	130	75	50	115	1	1	14	488	2440	3.64
GEG90ES	GEG90ES-2RS	90	150	85	55	130	1	1	15	607	3030	5.22
GEG100ES	GEG100ES-2RS	100	160	85	55	140	1	1	14	654	3270	6.05
GEG110ES	GEG110ES-2RS	110	180	100	70	160	1	1	12	950	4750	9.68
GEG120ES	GEG120ES-2RS	120	210	115	70	180	1	1	16	1070	5350	14.01
GEG140ES	GEG140ES-2RS	140	230	130	80	200	1	1	16	1360	6800	19.01
GEG160ES	GEG160ES-2RS	160	260	135	80	225	1.1	1.1	16	1530	7650	24.70
GEG180ES	GEG180ES-2RS	180	290	155	100	250	1.1	1.1	14	2120	10600	35.90

GEEW…ES

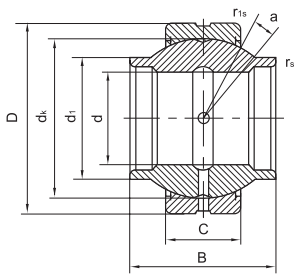


Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm									Load ratings kN		Weight
	d	D	B	C	d1 max	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEEW12ES*	12	22	12	7	15.5	18	0.3	0.3	4	10	53	0.022
GEEW15ES	15	26	15	9	18.5	22	0.3	0.3	5	16	84	0.031
GEEW16ES	16	28	16	9	20	23	0.3	0.3	4	17	85	0.035
GEEW17ES	17	30	17	10	21	25	0.3	0.3	7	21	106	0.044
GEEW20ES	20	35	20	12	25	29	0.3	0.3	4	30	146	0.071
GEEW25ES	25	42	25	16	30.5	35.5	0.6	0.6	4	48	240	0.131
GEEW30ES	30	47	30	18	34	40.7	0.6	0.6	4	62	310	0.168
GEEW32ES	32	52	32	18	37	43	0.6	1	4	65	328	0.182
GEEW35ES	35	55	35	20	40	47	0.6	1	4	79	399	0.253
GEEW40ES	40	62	40	22	46	53	0.6	1	4	99	495	0.338
GEEW45ES	45	68	45	25	52	60	0.6	1	4	127	637	0.481
GEEW50ES	50	75	50	28	57	66	0.6	1	4	156	780	0.558
GEEW60ES	60	90	60	36	68	80	1	1	4	245	1220	1.15
GEEW63ES	63	95	63	36	71.5	83	1	1	4	253	1260	1.25
GEEW70ES	70	105	70	40	78	92	1	1	4	313	1560	1.71
GEEW80ES	80	120	80	45	91	105	1	1	4	400	2000	2.39
GEEW90ES	90	130	90	50	99	115	1	1	4	488	2440	3.21
GEEW100ES	100	150	100	55	113	130	1	1	4	607	3030	4.79
GEEW110ES	110	160	110	55	124	140	1	1	4	654	3270	5.78
GEEW125ES	125	180	125	70	138	160	1	1	4	950	4750	8.49
GEEW160ES	160	230	160	80	177	200	1	1	4	1360	6800	16.5

*A lubrication groove and holes in the outer ring only.

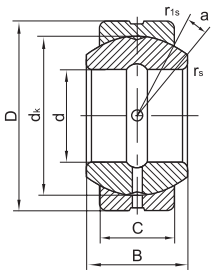
GEEM…ES-2RS



Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm									Load ratings kN		Weight
	d	D	B	C	d1 max	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEEM20ES-2RS	20	35	24	12	24	29	0.3	0.3	6	30	146	0.073
GEEM25ES-2RS	25	42	29	16	29	35.5	0.3	0.6	4	48	240	0.13
GEEM30ES-2RS	30	47	30	18	34	40.7	0.3	0.6	4	62	310	0.17
GEEM35ES-2RS	35	55	35	20	40	47	0.6	1	4	79	399	0.25
GEEM40ES-2RS	40	62	38	22	45	53	0.6	1	4	99	495	0.35
GEEM45ES-2RS	45	68	40	25	52	60	0.6	1	4	127	637	0.49
GEEM50ES-2RS	50	75	43	28	57	66	0.6	1	4	156	780	0.6
GEEM60ES-2RS	60	90	54	36	68	80	0.6	1	3	245	1220	1.15
GEEM70ES-2RS	70	105	65	40	78	92	0.6	1	4	313	1560	1.65
GEEM80ES-2RS	80	120	74	45	90	105	0.6	1	4	400	2000	2.5

GEF…ES

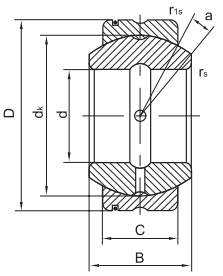


Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEF12ES	12	22	11	9	18	0.5	0.5	7	13	68	0.019
GEF15ES	15	26	13	11	22	0.5	0.5	6	20	102	0.028
GEF20ES	20	32	16	14	28	0.5	0.5	4	33	166	0.053
GEF22ES	22	37	19	16	32	0.5	0.5	6	43	217	0.085
GEF25ES	25	42	21	18	36	0.5	0.5	5	55	275	0.116
GEF30ES	30	50	27	23	45	1	1	6	87	439	0.225
GEF35ES	35	55	30	26	50	1	1	5	110	552	0.302
GEF40ES	40	62	33	28	55	1	1	6	130	654	0.375
GEF45ES	45	72	36	31	62	1	1	5	163	816	0.598
GEF50ES	50	80	42	36	72	1	1	5	220	1100	0.869
GEF55ES	55	90	47	40	80	1	1	6	272	1360	1.26
GEF60ES	60	100	53	45	90	1	1	6	344	1720	1.72
GEF65ES	65	105	55	47	94	1	1	5	375	1870	2.05
GEF70ES	70	110	58	50	100	1	1	5	425	2125	2.23
GEF75ES	75	120	64	55	110	1	1	5	510	2570	3.01
GEF80ES	80	130	70	60	120	1	1	5	610	3060	3.98
GEF85ES	85	135	74	63	125	1	1	6	669	3340	4.31
GEF90ES	90	140	76	65	130	1	1	5	718	3590	4.72
GEF95ES	95	150	82	70	140	1	1	5	833	4165	6.05
GEF100ES	100	160	88	75	150	1.5	1.5	5	956	4780	7.43
GEF110ES	110	170	93	80	160	1.5	1.5	5	1080	5440	8.54
GEF115ES	115	180	98	85	165	1.5	1.5	5	1190	5960	10.3
GEF120ES	120	190	105	90	175	1.5	1.5	6	1330	6690	12.4
GEF130ES	130	200	110	95	185	1.5	1.5	5	1490	7460	13.8
GEF150ES	150	220	120	105	205	1.5	1.5	5	1820	9140	17.1

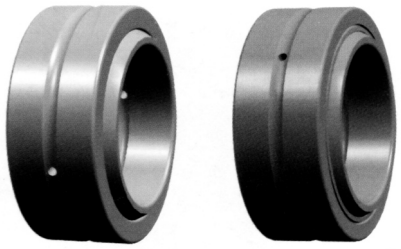
accor machinery Radial spherical plain bearings

GE…XS/K

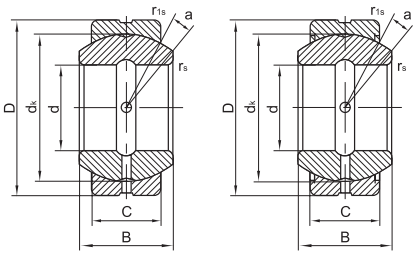


Sliding contact surfaces: Steel / Steel

Bearing number	Dimenisions mm								Load ratings kN		Weight ≈Kg
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	
GE12XS/K	12	22	11	9	18	0.5	0.5	7	13	68	0.019
GE15XS/K	15	26	13	11	22	0.5	0.5	6	20	102	0.028
GE20XS/K	20	32	16	14	28	0.5	0.5	4	33	166	0.053
GE22XS/K	22	37	19	16	32	0.5	0.5	6	43	217	0.085
GE25XS/K	25	42	21	18	36	0.5	0.5	5	55	275	0.116
GE30XS/K	30	50	27	23	45	1	1	6	87	439	0.225
GE35XS/K	35	55	30	26	50	1	1	5	110	552	0.302
GE40XS/K	40	62	33	28	55	1	1	6	130	654	0.375
GE45XS/K	45	72	36	31	62	1	1	5	163	816	0.598
GE50XS/K	50	80	42	36	72	1	1	5	220	1100	0.869
GE55XS/K	55	90	47	40	80	1	1	6	272	1360	1.26
GE60XS/K	60	100	53	45	90	1	1	6	344	1720	1.72
GE65XS/K	65	105	55	47	94	1	1	5	375	1870	2.05
GE70XS/K	70	110	58	50	100	1	1	5	425	2125	2.23
GE75XS/K	75	120	64	55	110	1	1	5	510	2570	3.01
GE80XS/K	80	130	70	60	120	1	1	5	610	3060	3.98
GE85XS/K	85	135	74	63	125	1	1	6	669	3340	4.31
GE90XS/K	90	140	76	65	130	1	1	5	718	3590	4.72
GE95XS/K	95	150	82	70	140	1	1	5	833	4165	6.05
GE100XS/K	100	160	88	75	150	1.5	1.5	5	956	4780	7.43
GE110XS/K	110	170	93	80	160	1.5	1.5	5	1080	5440	8.54
GE115XS/K	115	180	98	85	165	1.5	1.5	5	1190	5960	10.3
GE120XS/K	120	190	105	90	175	1.5	1.5	6	1330	6690	12.4
GE130XS/K	130	200	110	95	185	1.5	1.5	5	1490	7460	13.8
GE150XS/K	150	220	120	105	205	1.5	1.5	5	1820	9140	17.1



GEZ…ES GEZ..ES-2RS



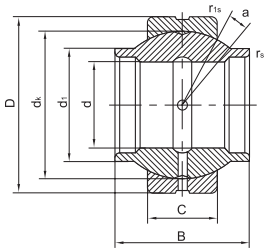
GEZ…ES GEZ..ES-2RS

Sliding contact surfaces: Steel / Steel

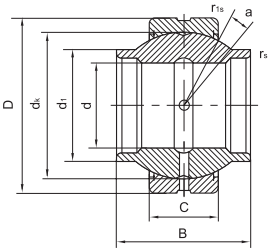
Bearing number		Dimenisions mm								Load ratings kN		Weight
		d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEZ12ES		12.700	22.225	11.100	9.525	18	0.15	0.6	6	13	41	0.022
GEZ15ES		15.875	26.988	13.894	11.913	23	0.15	0.6	6	22	65	0.036
GEZ19ES	GEZ19ES-2RS	19.050	31.750	16.662	14.275	27.5	0.3	0.6	6	31	95	0.053
GEZ22ES	GEZ22ES-2RS	22.225	36.513	19.431	16.662	32	0.3	0.6	6	42	127	0.085
GEZ25ES	GEZ25ES-2RS	25.400	41.275	22.225	19.050	36.5	0.3	0.6	6	56	166	0.121
GEZ31ES	GEZ31ES-2RS	31.750	50.800	27.762	23.800	45.5	0.6	0.6	6	86	260	0.23
GEZ34ES	GEZ34ES-2RS	34.925	55.563	30.150	26.187	49	0.6	1	6	102	310	0.35
GEZ38ES	GEZ38ES-2RS	38.100	61.913	33.325	28.575	54.7	0.6	1	6	125	375	0.42
GEZ44ES	GEZ44ES-2RS	44.450	71.438	38.887	33.325	63.9	0.6	1	6	170	510	0.64
GEZ50ES	GEZ50ES-2RS	50.800	80.963	44.450	38.100	73	0.6	1	6	224	670	0.93
GEZ57ES	GEZ57ES-2RS	57.150	90.488	50.013	42.850	82	0.6	1	6	280	850	1.3
GEZ63ES	GEZ63ES-2RS	63.500	100.013	55.550	47.625	92	1	1	6	355	1060	1.85
GEZ69ES	GEZ69ES-2RS	69.850	111.125	61.112	52.375	100	1	1	6	415	1250	2.4
GEZ76ES	GEZ76ES-2RS	76.200	120.650	66.675	57.150	109.5	1	1	6	500	1500	3.1
GEZ82ES	GEZ82ES-2RS	82.550	130.175	72.238	61.900	119	1	1	6	585	1760	3.8
GEZ88ES	GEZ88ES-2RS	88.900	139.700	77.775	66.675	128	1	1	6	680	2040	4.8
GEZ95ES	GEZ95ES-2RS	95.250	149.225	83.337	71.425	137	1	1	6	780	2360	5.8
GEZ101ES	GEZ101ES-2RS	101.600	158.750	88.900	76.200	146	1	1	6	900	2650	7
GEZ107ES	GEZ107ES-2RS	107.950	168.275	94.463	80.950	155	1	1	6	1000	3000	8.41
GEZ114ES	GEZ114ES-2RS	114.300	177.800	100.013	85.725	164.5	1	1	6	1120	3400	9.8
GEZ120ES	GEZ120ES-2RS	120.650	187.325	105.562	90.475	173.5	1	1	6	1250	3750	11.5
GEZ127ES	GEZ127ES-2RS	127.000	196.850	111.125	95.250	183	1	1	6	1400	4150	13.5
GEZ152ES	GEZ152ES-2RS	152.400	222.250	120.650	104.775	207	1	1	5	1730	5200	17.5

GEWZ…ES

GEWZ…ES-2RS



GEWZ…ES



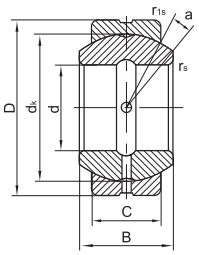
GEWZ…ES-2RS

Sliding contact surfaces: Steel / Steel

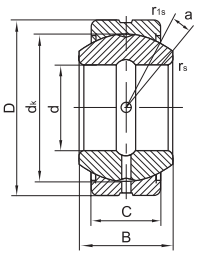
Bearing number		Dimensions mm									Load ratings kN		Weight
		d	D	B	C	d1 max	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEWZ12ES		12.700	22.225	19.050	9.525	15.875	18	0.15	0.6	5	13	41	0.024
GEWZ15ES		15.875	26.988	23.800	11.913	19.812	23	0.15	0.6	5	22	65	0.038
GEWZ19ES	GEWZ19ES-2RS	19.050	31.750	28.575	14.275	23.368	27.5	0.3	0.6	5	31	95	0.064
GEWZ22ES	GEWZ22ES-2RS	22.225	36.513	33.325	16.662	27.178	32	0.3	0.6	5	42	127	0.098
GEWZ25ES	GEWZ25ES-2RS	25.400	41.275	38.100	19.050	30.988	36.5	0.3	0.6	5	56	166	0.142
GEWZ31ES	GEWZ31ES-2RS	31.750	50.800	47.625	23.800	38.735	45.5	0.6	0.6	5	86	260	0.271
GEWZ34ES	GEWZ34ES-2RS	34.925	55.563	52.375	26.187	42.418	49	0.6	1	5	102	310	0.373
GEWZ38ES	GEWZ38ES-2RS	38.100	61.913	57.150	28.575	46.990	54.7	0.6	1	5	125	375	0.494
GEWZ44ES	GEWZ44ES-2RS	44.450	71.438	66.675	33.325	54.991	63.9	0.6	1	5	170	510	0.762
GEWZ50ES	GEWZ50ES-50S	50.800	80.963	76.200	38.100	62.484	73	0.6	1	5	224	670	1.11
GEWZ57ES	GEWZ57ES-2RS	57.150	90.488	85.725	42.850	70.104	82	0.6	1	5	280	850	1.57
GEWZ63ES	GEWZ63ES-2RS	63.500	100.013	95.250	47.625	77.724	92	1	1	5	355	1060	2.15
GEWZ69ES	GEWZ69ES-2RS	69.850	111.125	104.775	52.375	85.852	100	1	1	5	415	1250	2.9
GEWZ76ES	GEWZ76ES-2RS	76.200	120.650	114.300	57.150	93.345	109.5	1	1	5	500	1500	3.59
GEWZ82ES	GEWZ82ES-2RS	82.550	130.175	123.825	61.900	101.219	119	1	1	5	585	1760	4.69
GEWZ88ES	GEWZ88ES-2RS	88.900	139.700	133.350	66.675	109.220	128	1	1	5	680	2040	5.86
GEWZ95ES	GEWZ95ES-3RS	95.250	149.225	142.875	71.425	116.586	137	1	1	5	780	2360	7.11
GEWZ101ES	GEWZ101ES-3RS	101.600	158.750	152.400	76.200	124.587	146	1	1	5	900	2650	8.56
GEWZ114ES	GEWZ114ES-4RS	114.300	177.800	171.450	85.725	140.335	164.5	1	1	5	1120	3400	12.24
GEWZ127ES	GEWZ127ES-4RS	127.000	196.850	190.500	95.250	155.705	183	1	1	5	140	4150	16.63
GEWZ152ES	GEWZ152ES-5RS	152.400	222.250	209.550	104.775	178.308	207	1	1	5	1730	5200	20.7

GEGZ…ES

GEGZ…ES-2RS



GEGZ…ES

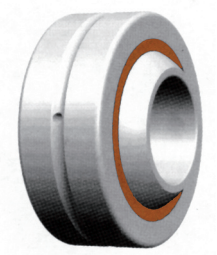


GEGZ…ES-2RS

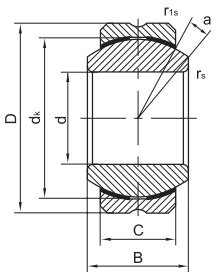
Sliding contact surfaces: Steel / Steel

Bearing number		Dimensions mm								Load ratings kN		Weight
		d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEGZ31ES	GEGZ31ES-2RS	31.750	61.913	35.306	28.575	54.7	0.6	1	15	125	375	0.454
GEGZ38ES	GEGZ38ES-2RS	38.100	71.438	40.132	33.325	63.9	0.6	1	14	170	510	0.726
GEGZ44ES	GEGZ44ES-2RS	44.450	80.963	46.228	38.100	73	0.6	1	14	224	670	1.14
GEGZ50ES	GEGZ50ES-2RS	50.800	90.488	52.578	42.850	82	0.6	1	14	280	850	1.68
GEGZ57ES	GEGZ57ES-2RS	57.150	100.013	58.877	47.625	92	0.6	1	14	355	1060	2.01
GEGZ63ES	GEGZ63ES-2RS	63.500	111.125	64.643	52.375	100	1	1	14	415	1250	2.95
GEGZ69ES	GEGZ69ES-2RS	69.850	120.650	70.866	57.150	109.5	1	1	14	500	1500	3.63
GEGZ76ES	GEGZ76ES-2RS	76.200	130.175	76.759	61.900	119	1	1	14	585	1760	4.36
GEGZ82ES	GEGZ82ES-2RS	82.550	139.700	82.931	66.675	128	1	1	14	680	2040	5.31
GEGZ88ES	GEGZ88ES-2RS	88.900	149.225	90.424	71.425	137	1	1	14	780	2360	6.81
GEGZ95ES	GEGZ95ES-2RS	95.250	158.750	94.945	76.200	146	1	1	14	900	2650	8.85
GEGZ101ES	GEGZ101ES-2RS	101.600	177.800	107.315	85.725	164.5	1	1	10	1120	3400	10.2
GEGZ114ES	GEGZ114ES-2RS	114.300	196.850	119.126	95.250	183	1	1	10	1400	4150	13.6
GEGZ139ES	GEGZ139ES-2RS	139.700	222.250	125.730	104.775	207	1	1	9	1730	5200	20.4

accor machinery Radial spherical plain bearings



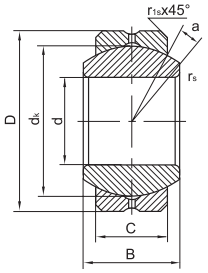
GEBK…S



Sliding contact surfaces: Steel / Bronze

Bearing number	Dimensions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEBK5S	5	16	8	6	11.112	0.3	0.3	13	3.3	7.8	0.009
GEBK6S	6	18	9	6.75	12.7	0.3	0.3	13	4.3	9.8	0.013
GEBK8S	8	22	12	9	15.88	0.3	0.3	14	6.8	16	0.024
GEBK10S	10	26	14	10.5	19.05	0.3	0.6	14	10	23	0.039
GEBK12S	12	30	16	12	22.23	0.3	0.6	13	13	31	0.058
GEBK14S	14	34	19	13.5	25.4	0.3	0.6	16	17	40	0.084
GEBK16S	16	38	21	15	28.58	0.3	0.6	15	21	50	0.111
GEBK18S	18	42	23	16.5	31.75	0.3	0.6	15	26	61	0.16
GEBK20S	20	46	25	18	34.93	0.3	0.6	15	31	73	0.21
GEBK22S	22	50	28	20	38.1	0.3	0.6	15	38	88	0.26
GEBK25S	25	56	31	22	42.86	0.6	0.6	15	47	110	0.39
GEBK28S	28	62	35	25	47.63	0.6	0.6	15	59	138	0.53
GEBK30S	30	66	37	25	50.8	0.6	0.6	17	63	148	0.61

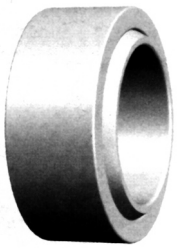
GEFZ…S

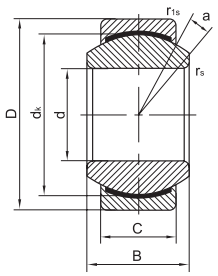


Sliding contact surfaces: Steel / Steel

Bearing number	Dimenisions mm								Load ratings kN		Weight ≈Kg
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	
GEFZ4S	4.830	14.290	7.140	5.540	10.31	0.3	0.38	11	3	15	0.006
GEFZ6S	6.350	16.670	8.710	6.350	12.7	0.3	0.56	13.5	4.4	22	0.01
GEFZ7S	7.940	19.050	9.530	7.140	14.27	0.3	0.81	12	6	28	0.014
GEFZ9S	9.530	20.640	10.310	7.920	16.66	0.3	0.81	10	7.4	37	0.017
GEFZ11S	11.110	23.020	11.100	8.710	17.45	0.3	0.81	8	8.4	42	0.021
GEFZ12S	12.700	25.400	12.700	9.910	20.65	0.3	0.81	9.5	12	58	0.029
GEFZ14S	14.290	27.780	14.270	11.100	23.01	0.3	0.81	9.5	15	73	0.039
GEFZ15S	15.880	30.160	15.880	12.700	25.4	0.3	0.81	9.5	19	94	0.05
GEFZ19S	19.050	36.510	19.050	15.060	30.15	0.3	1.12	9	28	141	0.093
GEFZ22S	22.230	39.690	22.230	17.860	33.32	0.6	1.12	9.5	37	186	0.119
GEFZ25S	25.400	44.450	25.400	20.240	38.1	0.6	1.12	10	49	245	0.175

accor machinery Radial spherical plain bearings

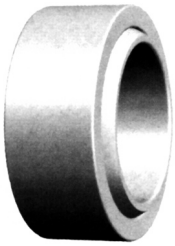




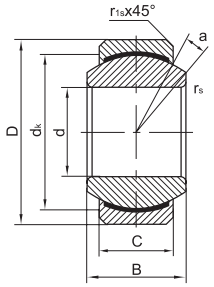
GE…C GEG…C

Sliding contact surfaces: Steel / PTFE composite material

Bearing number	Dimensions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GE4C	4	12	5	3	8	0.3	0.3	16	2.1	5.4	0.003
GE5C	5	14	6	4	10	0.3	0.3	13	3.6	9.1	0.005
GE6C	6	14	6	4	10	0.3	0.3	13	3.6	9.1	0.004
GE8C	8	16	8	5	13	0.3	0.3	15	5.8	14	0.008
GE10C	10	19	9	6	16	0.3	0.3	12	8.6	21	0.011
GE12C	12	22	10	7	18	0.3	0.3	10	11	28	0.015
GE15C	15	26	12	9	22	0.3	0.3	8	18	45	0.027
GE17C	17	30	14	10	25	0.3	0.3	10	22	56	0.041
GE20C	20	35	16	12	29	0.3	0.3	9	31	78	0.066
GE25C	25	42	20	16	35.5	0.6	0.6	7	51	127	0.119
GE30C	30	47	22	18	40.7	0.6	0.6	6	65	166	0.163
GEG4C	4	14	7	4	10	0.3	0.3	20	3.6	9.1	0.005
GEG5C	5	16	9	5	13	0.3	0.3	21	5.8	14	0.008
GEG6C	6	16	9	5	13	0.3	0.3	21	5.8	14	0.006
GEG8C	8	19	11	6	16	0.3	0.3	21	8.6	21	0.014
GEG10C	10	22	12	7	18	0.3	0.3	18	11	28	0.021
GEG12C	12	26	15	9	22	0.3	0.3	18	18	45	0.033
GEG15C	15	30	16	10	25	0.3	0.3	16	22	56	0.049
GEG17C	17	35	20	12	29	0.3	0.3	19	31	78	0.083
GEG20C	20	42	25	16	35.5	0.3	0.3	17	51	127	0.153
GEG25C	25	47	28	18	40.7	0.6	0.6	17	65	166	0.203
GEG30C	30	55	32	20	47	0.6	0.6	17	83	212	0.304

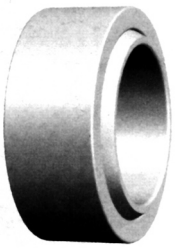


GEFZ…C

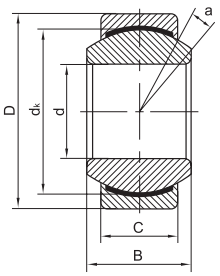


Sliding contact surfaces: Steel / PTFE composite material

Bearing number	Dimensions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEFZ4C	4.830	14.290	7.140	5.540	10.31	0.3	0.38	11	5.1	12.8	0.006
GEFZ6C	6.350	16.670	8.710	6.350	12.7	0.3	0.56	13.5	7.2	18.4	0.01
GEFZ7C	7.940	19.050	9.530	7.140	14.27	0.3	0.81	12	9.1	22.9	0.014
GEFZ9C	9.530	20.640	10.310	7.920	16.66	0.3	0.81	10	11.8	29.6	0.017
GEFZ11C	11.110	23.020	11.100	8.710	17.45	0.3	0.81	8	13.6	34.1	0.021
GEFZ12C	12.700	25.400	12.700	9.910	20.65	0.3	0.81	9.5	18.4	46	0.029
GEFZ14C	14.290	27.780	14.270	11.100	23.01	0.3	0.81	9.5	23	57.4	0.039
GEFZ15C	15.880	30.160	15.880	12.700	25.4	0.3	0.81	9.5	29	72.5	0.05
GEFZ19C	19.050	36.510	19.050	15.060	30.15	0.3	1.12	9	40.8	102.1	0.093
GEFZ22C	22.230	39.690	22.230	17.860	33.32	0.6	1.12	9.5	53.5	133.8	0.119
GEFZ25C	25.400	44.450	25.400	20.240	38.1	0.6	1.12	10	69.4	173.5	0.175



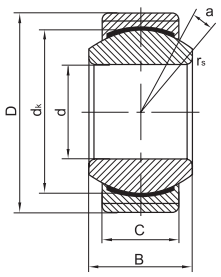
G..PW



Outer ring in brass.
Outer race lined with PTFE fabric composite material.

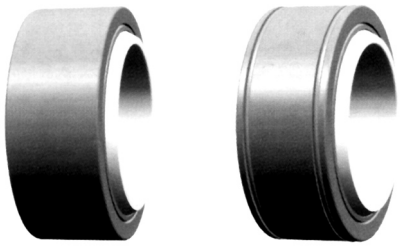
Bearing number	Dimenisions mm							Load ratings kN		Weight ≈Kg
	d	d1	B	C	D	dk	α ≈	Dynamic	Static	
G5PW	5	7.7	8	6	13	11.1	13	6.2	17	0.007
G6PW	6	8.9	9	6.75	16	12.7	13	7.5	22	0.01
G8PW	8	10.3	12	9	19	15.8	13	12	36	0.016
G10PW	10	12.9	14	10.5	22	19	13	17	50	0.031
G12PW	12	15.4	16	12	26	22.2	13	22	67	0.065
G14PW	14	16.8	19	13.5	28	25.4	15	28	86	0.09
G16PW	16	19.3	21	15	32	28.5	15	35	107	0.1
G18PW	18	21.8	23	16.5	35	31.7	15	47	131	0.125
G20PW	20	24.3	25	18	40	34.9	15	51	157	0.18
G22PW	22	25.8	28	20	42	38.1	15	62	191	0.21
G25PW	25	29.5	31	22	47	42.8	15	77	236	0.295
G30PW	30	34.8	37	25	55	50.8	15	103	318	0.425
G35PW	35	37.7	43	28	62	57.1	16	130	400	0.5
G40PW	40	45.2	49	33	75	66.6	17	179	550	0.9
G50PW	50	56.6	60	45	90	82.5	12	302	928	1.64

S..PW

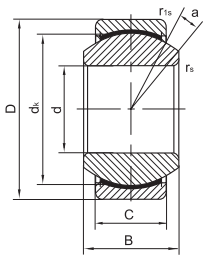


Made up of G…PW and steel sleeve.

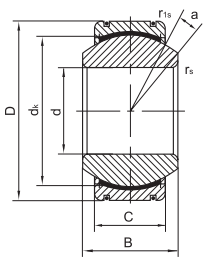
Bearing number	Dimenisions mm							Load ratings kN		Weight ≈Kg
	d	d1	B	C	D	dk	α ≈	Dynamic	Static	
S5PW	5	7.7	8	6	16	11.1	13	6.2	17	0.009
S6PW	6	8.9	9	6.75	18	12.7	13	7.5	22	0.013
S8PW	8	10.3	12	9	22	15.8	13	12	36	0.024
S10PW	10	12.9	14	10.5	26	19.0	13	17	50	0.040
S12PW	12	15.4	16	12	30	22.2	13	22	67	0.080
S14PW	14	16.8	19	13.5	34	25.4	15	28	86	0.110
S16PW	16	19.3	21	15	38	28.5	15	35	107	0.130
S18PW	18	21.8	23	16.5	42	31.7	15	43	131	0.170
S20PW	20	24.3	25	18	46	34.9	15	51	157	0.230
S22PW	22	25.8	28	20	50	38.1	15	62	191	0.280
S25PW	25	29.5	31	22	56	42.8	15	77	236	0.390
S30PW	30	34.8	37	25	66	50.8	15	103	318	0.610



GE…ET-2RS GE…XT-2RS



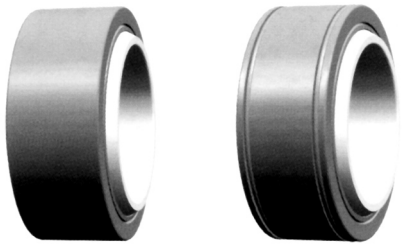
GE…ET-2RS



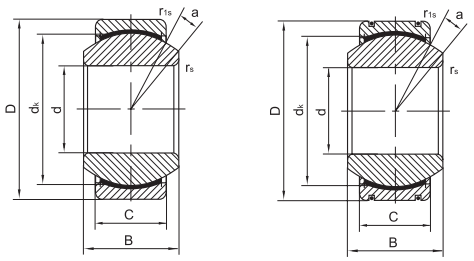
GE…XT-2RS

Sliding contact surfaces: Steel / PTFE fabric

Bearing number	Dimenisions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GE15ET-2RS	15	26	12	9	22	0.3	0.3	8	25	50	0.027
GE17ET-2RS	17	30	14	10	25	0.3	0.3	10	32	64	0.041
GE20ET-2RS	20	35	16	12	29	0.3	0.3	9	45	90	0.066
GE25ET-2RS	25	42	20	16	35.5	0.6	0.6	7	85	170	0.119
GE30ET-2RS	30	47	22	18	40.7	0.6	0.6	6	110	220	0.153
GE35ET-2RS	35	55	25	20	47	0.6	1	6	140	280	0.233
GE40ET-2RS	40	62	28	22	53	0.6	1	7	175	350	0.306
GE45ET-2RS	45	68	32	25	60	0.6	1	7	225	450	0.427
GE50ET-2RS	50	75	35	28	66	0.6	1	6	275	550	0.546
GE55ET-2RS	55	85	40	32	74	0.6	1	7	355	710	0.939
GE60ET-2RS	60	90	44	36	80	1	1	6	430	860	1.04
GE70ET-2RS	70	105	49	40	92	1	1	6	550	1100	1.55
GE80ET-2RS	80	120	55	45	105	1	1	6	705	1410	2.31
GE90ET-2RS	90	130	60	50	115	1	1	5	860	1720	2.75
GE100ET-2RS	100	150	70	55	130	1	1	7	1070	2140	4.45
GE110ET-2RS	110	160	70	55	140	1	1	6	1150	2300	4.82
GE120ET-2RS	120	180	85	70	160	1	1	6	1680	3360	8.05
GE140XT-2RS	140	210	90	70	180	1	1	7	1890	3780	11.02
GE160XT-2RS	160	230	105	80	200	1	1	8	2400	4800	14.01
GE180XT-2RS	180	260	105	80	225	1.1	1.1	6	2700	5400	18.65



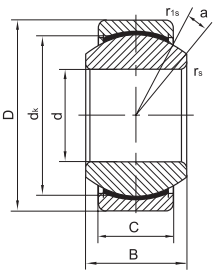
GEG…ET-2RS GEG…XT-2RS



GEG…ET-2RS GEG…XT-2RS

Sliding contact surfaces: Steel / PTFE fabric

Bearing number	Dimenisions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEG15ET-2RS	15	30	16	10	25	0.3	0.3	16	32	64	0.049
GEG17ET-2RS	17	35	20	12	29	0.3	0.3	19	45	90	0.083
GEG20ET-2RS	20	42	25	16	35.5	0.3	0.6	17	85	170	0.153
GEG25ET-2RS	25	47	28	18	40.7	0.6	0.6	17	110	220	0.203
GEG30ET-2RS	30	55	32	20	47	0.6	1	17	140	280	0.304
GEG35ET-2RS	35	62	35	22	53	0.6	1	16	175	350	0.408
GEG40ET-2RS	40	68	40	25	60	0.6	1	17	225	450	0.542
GEG45ET-2RS	45	75	43	28	66	0.6	1	15	275	550	0.713
GEG50ET-2RS	50	90	56	36	80	0.6	1	17	430	860	1.14
GEG60ET-2RS	60	105	63	40	92	1	1	17	550	1100	2.05
GEG70ET-2RS	70	120	70	45	105	1	1	16	705	1410	3.01
GEG80ET-2RS	80	130	75	50	115	1	1	14	860	1720	3.64
GEG90ET-2RS	90	150	85	55	130	1	1	15	1070	2140	5.22
GEG100ET-2RS	100	160	85	55	140	1	1	14	1150	2300	6.05
GEG110ET-2RS	110	180	100	70	160	1	1	12	1680	3360	9.68
GEG120XT-2RS	120	210	115	70	180	1	1	16	1890	3780	14.01
GEG140XT-2RS	140	230	130	80	200	1	1	16	2400	4800	19.01
GEG160XT-2RS	160	260	135	80	225	1.1	1.1	16	2700	5400	24.7
GEG180XT-2RS	180	290	155	100	250	1.1	1.1	14	3750	7500	35.9

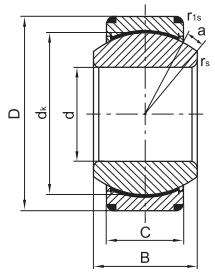


GEZ…ET-2RS

Sliding contact surfaces: Steel / PTFE fabric

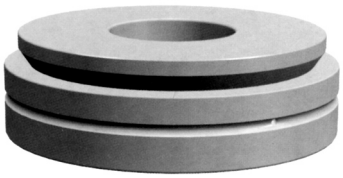
Bearing number	Dimenisions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEZ19ET-2RS	19.050	31.750	16.662	14.275	27.5	0.3	0.6	6	50	100	0.053
GEZ22ET-2RS	22.225	36.513	19.431	16.662	32	0.3	0.6	6	69	138	0.085
GEZ25ET-2RS	25.400	41.275	22.225	19.050	36.5	0.3	0.6	6	104	208	0.121
GEZ31ET-2RS	31.750	50.800	27.762	23.800	45.5	0.6	0.6	6	160	320	0.23
GEZ34ET-2RS	34.925	55.563	30.150	26.187	49	0.6	1	6	190	380	0.35
GEZ38ET-2RS	38.100	61.913	33.325	28.575	54.7	0.6	1	6	235	470	0.42
GEZ44ET-2RS	44.450	71.438	38.887	33.325	63.9	0.6	1	6	320	640	0.64
GEZ50ET-2RS	50.800	80.963	44.450	38.100	73	0.6	1	6	415	830	0.93
GEZ57ET-2RS	57.150	90.488	50.013	42.850	82	0.6	1	6	525	1050	1.3
GEZ63ET-2RS	63.500	100.013	55.550	47.625	92	1	1	6	655	1310	1.85
GEZ69ET-2RS	69.850	111.125	61.112	52.375	100	1	1	6	785	1570	2.4
GEZ76ET-2RS	76.200	120.650	66.675	57.150	109.5	1	1	6	935	1870	3.1
GEZ82ET-2RS	82.550	130.175	72.238	61.900	119	1	1	6	1100	2200	3.8
GEZ88ET-2RS	88.900	139.700	77.775	66.675	128	1	1	6	1280	2560	4.8
GEZ95ET-2RS	95.250	149.225	83.337	71.425	137	1	1	6	1460	2920	5.8
GEZ101ET-2RS	101.600	158.750	88.900	76.200	146	1	1	6	1660	3320	7
GEZ107ET-2RS	107.950	168.275	94.463	80.950	155	1	1	6	1880	3760	8.41
GEZ114ET-2RS	114.300	177.800	100.013	85.725	164.5	1	1	6	2110	4220	9.8
GEZ120ET-2RS	120.650	187.325	105.562	90.475	173.5	1	1	6	2350	4700	11.5
GEZ127ET-2RS	127.000	196.850	111.125	95.250	183	1	1	6	2610	5220	13.5
GEZ152ET-2RS	152.400	222.250	120.650	104.775	207	1	1	5	3250	6500	17.5

GEH…XT-2RS

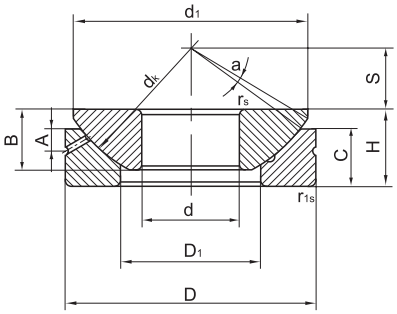


Sliding contact surfaces: Steel / PTFE fabric

Bearing number	Dimensions mm								Load ratings kN		Weight
	d	D	B	C	dk	rs min	rls min	α° ≈	Dynamic	Static	≈Kg
GEH100XT-2RS	100	150	71	67	135	1	1	2	1350	2700	5.24
GEH110XT-2RS	110	160	78	74	145	1	1	2	1600	3200	6.23
GEH120XT-2RS	120	180	85	80	160	1	1	2	1920	3840	9.01
GEH140XT-2RS	140	210	100	95	185	1	1	2	2630	5260	14.5
GEH160XT-2RS	160	230	115	109	210	1	1	2	3430	6860	18.6
GEH180XT-2RS	180	260	128	122	240	1.1	1.1	2	4390	8780	26.8

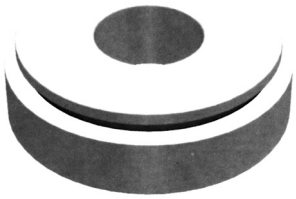


GX…S

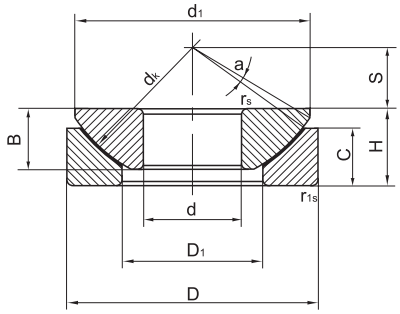


Sliding contact surfaces: Steel / Steel

Bearing number	Dimenisions mm												Load ratings kN		Weight
	d	D	B	C	H	dk	S	d1 max	D1 min	A	rs,rls min	α° ≈	Dynamic	Static	≈Kg
GX10S	10	30	7.5	7	9.5	32	7	27.5	15.5	3	0.6	5	27	136	0.036
GX12S	12	35	9.5	9.3	13	38	8	32	18	4	0.6	5	37	188	0.072
GX15S	15	42	11	10.8	15	46	10	39	22.5	5	0.6	6	53	267	0.108
GX17S	17	47	11.8	11.2	16	52	11	43.5	27	5	0.6	4	61	311	0.137
GX20S	20	55	14.5	13.8	20	60	12.5	50	31	6	1	5	84	425	0.246
GX25S	25	62	16.5	16.7	22.5	68	14	58.5	34.5	6	1	5	134	672	0.415
GX30S	30	75	19	19	26	82	17.5	70	42	8	1	5	182	909	0.614
GX35S	35	90	22	20.7	28	98	22	84	50.5	8	1	5	266	1330	0.973
GX40S	40	105	27	21.5	32	114	24.5	97	59	9	1	6	357	1810	1.59
GX45S	45	120	31	25.5	36.5	128	27.5	110	67	11	1	6	486	2470	2.24
GX50S	50	130	33	30.5	42.5	139	30	120	70	10	1	6	554	2810	3.14
GX60S	60	150	37	34	45	160	35	140	84	12.5	1	6	748	3820	4.63
GX70S	70	160	42	36.5	50	176	35	153	94.5	13.5	1	3	902	4610	5.37
GX80S	80	180	43.5	38	50	197	42.5	172	107.5	14.5	1	4	1110	5700	6.91
GX100S	100	210	51	46	59	222	45	198	127	15	1.1	4	1300	6470	10.9
GX120S	120	230	53.5	50	64	250	52.5	220	145	16.5	1.1	3	1530	7580	13.9
GX140S	140	260	61	54	72	274	52.5	243	177	23	1.5	3	1820	9040	18.1
GX160S	160	290	66	58	77	313	65	271	200	23	1.5	2	2100	10440	23.2
GX180S	180	320	74	62	86	340	67.5	299	225	26	1.5	4	2430	12070	30.9



GX…T



Sliding contact surfaces: Steel / PTFE fabric

Bearing number	Dimensions mm											Load ratings kN		Weight
	d	D	B	C	H	dk	S	d1 max	D1 min	rs,rls min	α° ≈	Dynamic	Static	≈Kg
GX10T	10	30	7.5	7	9.5	32	7	27.5	15.5	0.6	5	45	90	0.036
GX12T	12	35	9.5	9.3	13	38	8	32	18	0.6	5	65	130	0.072
GX15T	15	42	11	10.8	15	46	10	39	22.5	0.6	6	95	190	0.108
GX17T	17	47	11.8	11.2	16	52	11	43.5	27	0.6	4	110	220	0.137
GX20T	20	55	14.5	13.8	20	60	12.5	50	31	1	5	150	300	0.246
GX25T	25	62	16.5	16.7	22.5	68	14	58.5	34.5	1	5	245	490	0.415
GX30T	30	75	19	19	26	82	17.5	70	42	1	5	335	670	0.614
GX35T	35	90	22	20.7	28	98	22	84	50.5	1	5	490	980	0.973
GX40T	40	105	27	21.5	32	114	24.5	97	59	1	6	675	1350	1.59
GX45T	45	120	31	25.5	36.5	128	27.5	110	67	1	6	915	1830	2.24
GX50T	50	130	33	30.5	42.5	139	30	120	70	1	6	1040	2080	3.14
GX60T	60	150	37	34	45	160	35	140	84	1	6	1400	2800	4.63
GX70T	70	160	42	36.5	50	176	35	153	94.5	1	3	1590	3180	5.37
GX80T	80	180	43.5	38	50	197	42.5	172	107.5	1	4	1960	3920	6.91
GX100T	100	210	51	46	59	222	45	198	127	1.1	4	2270	4540	10.9
GX120T	120	230	53.5	50	64	250	52.5	220	145	1.1	3	2560	5120	13.9
GX140T	140	260	61	54	72	274	52.5	243	177	1.5	3	3050	6100	18.1
GX160T	160	290	66	58	77	313	65	271	200	1.5	2	3520	6250	23.2
GX180T	180	320	74	62	86	340	67.5	299	225	1.5	4	4070	7220	30.9

Characteristic

Steel-on-steel rod ends comprise a rod end and a steel-on-steel spherical plain bearing of series GE…E,GE…ES,GEG…E and GEG…ES or a rod end and a spherical plain bearing inner ring.

The bearings are held in position in the housing bore axially either by staking or by a retaining ring at both sides.Rod end of series SI(A)…E and SI(A)…ES is made of carbon steel,zinc coated to protect against corrosion.

Rod end of series SI(A)ZJ…is made of carbon steel,zinc coated to protect against corrosion,inner ring of carbon chromium steel,hardened,sliding surface treated with chromium plating.

Rod end of series GIHN-K..DO、GIHR….DO and GIHO-K..DO are available up to a nominal size of 80 mm made from carbon steel and as of nominal size 90 mm from spheroidal graphite cast iron or cast steel,with slot in the shank and can be clamped firmly by two hexagon socket screws.

Rod end of series GK..DO and GF..DO is made of weldable steel,to facilitate centering rods of series GK..DO on other components,they are provided with a dowel pin. steel-on-steel rod ends can be relubricated via a nipple or a hole in the rod end.

Steel-on-bronze rod ends comprise a rod and a spherical plain bearing inner ring and bronze liner.Rod end is made of carbon steel,zinc coated to protect against corrosion; inner ring of carbon chromium steel,hardened,sliding surface treated with chromium plating. steel-on-bronze rod ends can be relubricated via a nipple or a hole in the rod end.

Steel-on-PTFE composite material rod ends comprise a rod end and a steel-on-PTFE composite material spherical plain bearing. The bearings are held in position in the housing bore axially by staking at both sides.Rod end is made of carbon steel,zinc coated to protect against corrosion,inner ring of carbon chromium steel,hardened,sliding surface treated with chromium plating.

Steel-on-PTFE fabric rod ends comprise a rod end a steel-on-PTFE fabric spherical plain bearing of series GE…ET-2RS.The bearings are held in position in the housing bore axially by staking at both sides. Rod end in made of carbon steel. Zinc coated to protect against corrosion.

Operating temperature range

Steel-on-steel、steel-on-PTFE composite material and steel-on-PTFE fabric rod radial sphercial plain bearings can be used at temperature -50°C～+150°C,

Spherical plain bearings with seals can be used at temperature -30°C～+130°C.At higher temperature,the load carrying capacity will be reduced.

Fits of rod ends

Shaft fits

Operating conditions	Tolerance
With indeterminate loads	n6, p6
Normal conditions	h6, h7

Thread

Male thread	Female thread
6g	6H
UNF-2A	UNF-2B

Shaft diameter tolerances

shaft diameter mm		shaft diameter tolerances				µm			
		h6		h7		n6		p6	
over	incl.	High	low	High	low	High	low	High	low
3	6	0	-8	0	-12	+16	+8	+20	+12
6	10	0	-9	0	-15	+19	+10	+24	+15
10	18	0	-11	0	-18	+23	+12	+29	+18
18	30	0	-13	0	-21	+28	+15	+35	+22
30	50	0	-16	0	-25	+33	+17	+42	+26
50	80	0	-19	0	-30	+39	+20	+51	+32
80	120	0	-22	0	-35	+45	+23	+59	+37
120	180	0	-25	0	-40	+52	+27	+68	+43

Tolerances for Rod ends

Tolerances for Rod ends(Inner ring)

Bearing number	over	-	6	10	18	30	50	80
	incl	6	10	18	30	50	80	120
SI...E SI...ES-2RS SA...E SA...ES-2RS GIR...UK GIR...UK 2RS GK...DO GIHR...DO GIHR-K...DO GIHO-K…DO	SI...ES SA...ES GAR...UK GAR...UK 2RS GF...DO	0 -0.008	0 -0.008	0 -0.008	0 -0.01	0 -0.012	0 -0.015	0 -0.020
GIHN-K...LO GF...LO				+0.018 0	+0.021 0	+0.025 0	+0.030 0	+0.035 0
SI...T/K SI...BK SI...PK PHS… SIZP...S	SA...T/K SA...BK SA...PK POS… SAZP...S	+0.012 0	+0.015 0	+0.018 0	+0.021 0			
SIZJ… SIZJ...S	SAZJ… SAZJ...S	+0.038 -0.013	+0.038 -0.013	+0.038 -0.030	+0.038 -0.030	+0.038 -0.030		

Center height deviation

d	over	-	6	20	30	45	60
mm	incl	6	20	30	45	60	80
hs		+0.80 -1.20	+0.80 -1.20	+1.00 -1.70	+1.40 -2.10	+1.80 -2.70	+2.25 -3.40

Radial internal clearance of rod ends

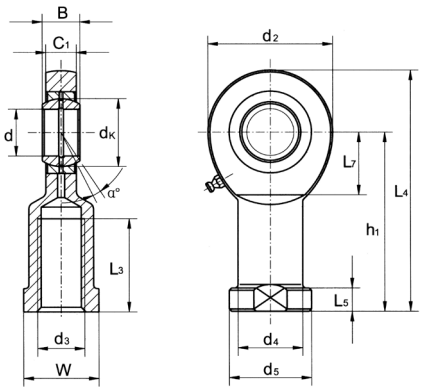
Bearing number		d over～incl(mm)	Group normal min～max(μm)
SI...E	SI...ES		
SI...ES-2RS		～12	8～68
SA...E	SA...ES	12～20	8～82
SA...ES-2RS		20～35	8～100
GIHR...DO		35～60	8～120
GIHR-K...DO		60～80	8～142
GIHN-K...DO			
GK...DO	GF...DO		
GIHO-K…DO			
SIZJ…		～8	10～30
SIZJ...S		8～14	15～16
SAZJ…		14～20	40～80
SAZJ...S		20～35	50～90
		35～50	60～110
SIZP...S	SAZP...S	～30	8～55
PHS.. .	POS…		
SI...T/K	SA...T/K	～12	0～32
SI...BK	SA...BK	12～20	0～40
SI...PK	SA...PK	20～30	0～50
GIR...UK		～12	0～32
GIR...UK-2RS		12～20	0～40
GAR...UK		20～35	0～50
GAR...UK-2RS		35～60	0～60
		60～80	0～72
SQ..RS			20～60
SQD…			0～30
SQZ…RS			

SI..E(S),SI..ES 2RS

Rod body with right or left-hand female thread.

It is made up of a radial spherical plain bearing GE..E(S)or GE..ES 2RS and rod body.

Suface of rod body zinc plated,housing of SI..ES with a lubricating hole or grease nipple.



Bearing number	Dimenisions mm													Load ratings kN		Weight
	d	d3 6H	B	C1	L3 min	W	d2	h1	L4	L5	d4	d5	dk	a° ≈	Dynamic	Static	≈Kg
SI6E*	6	M6x1.0	6	4.4	11	11	21	30	40.5	5	10	13	10	13	3.4	8.15	0.021
SI8E*	8	M8x1.25	8	6	15	14	24	36	48	5	12.5	16	13	15	5.5	12.9	0.039
SI10E*	10	M10x1.5	9	7	20	17	29	43	57.5	6.5	15	19	16	12	8.15	17.6	0.061
SI12E*	12	M12x1.75	10	8	23	19	34	50	67	6.5	17.5	22	18	11	10.8	24.5	0.096
SI15ES	15	M14x2.0	12	10	30	22	40	61	81	8	21	26	22	8	17	36	0.18
SI17ES	17	M16x2.0	14	11	34	27	46	67	90	10	24	30	25	10	21.2	45	0.22
SI20ES	20	M20x1.5	16	13	40	32	53	77	103.5	10	27.5	35	29	9	30	60	0.35
SI25ES	25	M24x2.0	20	17	48	36	64	94	126	12	33.5	42	35.5	7	48	83	0.64
SI30ES	30	M30x2.0	22	19	56	41	73	110	146.5	15	40	50	40.7	6	62	110	0.93
SI35ES	35	M36x3.0	25	21	60	50	82	125	166	15	47	58	47	6	80	146	1.3
SI40ES	40	M39x3.0	28	23	65	55	92	142	188	18	52	65	53	7	100	180	2
SI45ES	45	M42x3.0	32	27	65	60	102	145	196	20	58	70	60	7	127	240	2.5
SI50ES	50	M45x3.0	35	30	68	65	112	160	216	20	62	75	66	6	156	290	3.5
SI60ES	60	M52x3.0	44	38	70	75	135	175	242.5	20	70	88	80	6	245	450	5.5
SI70ES	70	M56x4.0	49	42	80	85	160	200	280	20	80	98	92	6	315	610	8.6
SI80ES	80	M64x4.0	55	47	85	100	180	230	320	25	95	110	105	6	400	750	12

For left-hand thread,please add surffix "L",e.g.SIL 20 ES.

For bearings d≥15,SI..ES 2RS also available,e.g.SI 20 ES 2RS.

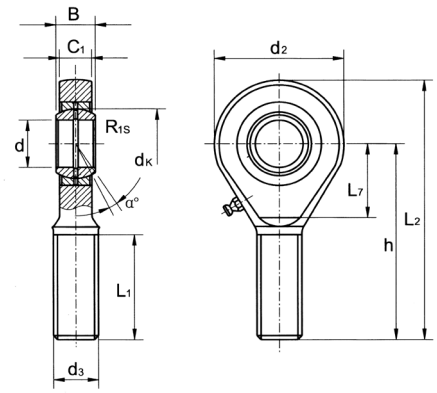
Lubricating hole or grease nipple isn't available for the sizes marked "*".

SA..E(S),SA..ES 2RS

Rod body with right or left-hand male thread.

It is made up of a radial spherical plain bearing GE..E(S)or GE..ES 2RS and rod body.

Suface of rod body zinc plated,housing of SA..ES with a lubricating hole or grease nipple.



Bearing number	Dimenisions mm												Load ratings kN		Weight
	d	d3 6g	B	C1	L1 min	d2	L7 min	h	L2	dk	R1s	a° ≈	Dynamic	Static	≈Kg
SA6E*	6	M6x1.0	6	4.4	18	21	11	36	46.5	10	0.3	13	3.4	8.15	0.017
SA8E*	8	M8x1.25	8	6	22	24	14	42	54	13	0.3	15	5.5	12.9	0.029
SA10E*	10	M10x1.5	9	7	26	29	15	48	62.5	16	0.3	12	8.15	17.6	0.051
SA12E*	12	M12x1.75	10	8	28	34	17	54	71	18	0.3	11	10.8	24.5	0.086
SA15ES	15	M14x2.0	12	10	34	40	20	63	83	22	0.3	8	17	36	0.14
SA17ES	17	M16x2.0	14	11	36	46	23	69	92	25	0.3	10	21.2	45	0.19
SA20ES	20	M20x1.5	16	13	43	53	27	78	104.5	29	0.6	9	30	60	0.31
SA25ES	25	M24x2.0	20	17	53	64	32	94	126	35.5	0.6	7	48	83	0.56
SA30ES	30	M30x2.0	22	19	65	73	37	110	146.5	40.7	0.6	6	62	110	0.89
SA35ES	35	M36x3.0	25	21	82	82	41	140	181	47	0.6	6	80	146	1.4
SA40ES	40	M39x3.0	28	23	86	92	46	150	196	53	0.6	7	100	180	1.8
SA45ES	45	M42x3.0	32	27	94	102	51	163	214	60	0.6	7	127	240	2.6
SA50ES	50	M45x3.0	35	30	107	112	56	185	241	66	0.6	6	156	290	3.4
SA60ES	60	M52x3.0	44	38	115	135	68	210	277.5	80	1	6	245	450	5.9
SA70ES	70	M56x4.0	49	42	125	160	80	235	315	92	1	6	315	610	8.2
SA80ES	80	M64x4.0	55	47	140	180	90	270	360	105	1	6	400	750	12

For left-hand thread,please add surffix "L",e.g.SAL 20 ES.

For bearings d≥15,SA..ES 2RS also available,e.g.SA 20 ES 2RS.

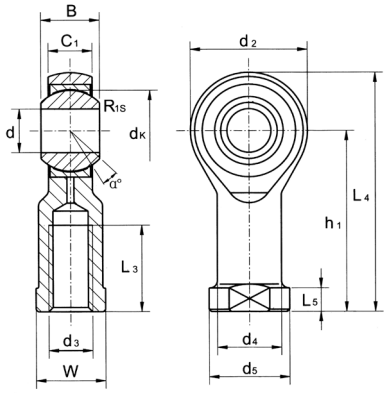
Lubricating hole or grease nipple isn't available for the sizes marked "*".

SI..T/K

Rod body with right or left-hand female thread.

It is made up of a maintenance-free radial spherical plain bearing G..PW and rod body.

Surface of rod body zinc plated.

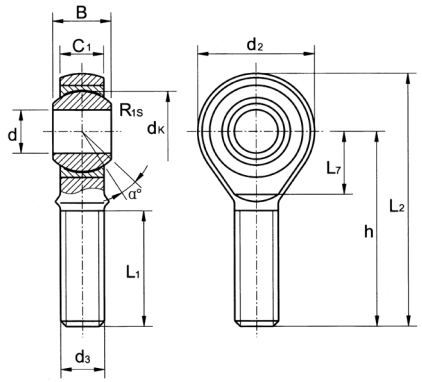


Bearing number	Dimenisions mm														Load ratings kN		Weight
	d	d3 6H	B	C1	L3 min	W	d2	h1	L4	L5	d4	d5	dk	a° ≈	Dynamic	Static	≈Kg
SI5T/K	5	M5x0.8	8	6	10	9	18	27	36	4	8.5	11	11.11	13	5.7	6	0.016
SI6T/K	6	M6x1.0	9	6.75	12	11	20	30	40	5	10	13	12.7	13	7.2	7.65	0.022
SI8T/K	8	M8x1.25	12	9	16	14	24	36	48	5	12.5	16	15.875	14	11.6	12.9	0.047
SI10T/K	10	M10x1.5	14	10.5	20	17	28	43	57	6.5	15	19	19.05	13	14.5	18	0.077
SI10-1T/K	10	M10x1.25	14	10.5	20	17	28	43	57	6.5	15	19	19.05	13	14.5	18	0.077
SI12T/K	12	M12x1.75	16	12	22	19	32	50	66	6.5	17.5	22	22.225	13	17	24	0.1
SI12-1T/K	12	M12x1.25	16	12	22	19	32	50	66	6.5	17.5	22	22.225	13	17	24	0.1
SI14T/K	14	M14x2.0	19	13.5	25	22	36	57	75	8	20	25	25.4	16	24	31	0.16
SI14-1T/K	14	M14x1.5	19	13.5	25	22	36	57	75	8	20	25	25.4	16	24	31	0.16
SI16T/K	16	M16x2.0	21	15	28	22	42	64	85	8	22	27	28.575	15	28.5	39	0.22
SI16-1T/K	16	M16x1.5	21	15	28	22	42	64	85	8	22	27	28.575	15	28.5	39	0.22
SI18T/K	18	M18x1.5	23	16.5	32	27	44	71	93	10	25	31	31.75	15	42.5	47.5	0.32
SI20T/K	20	M20x1.5	25	18	33	30	50	77	102	10	27.5	34	34.925	14	42.5	57	0.42
SI22T/K	22	M22x1.5	28	20	37	32	54	84	111	12	30	38	38.1	15	57	68	0.54
SI25T/K	25	M24x2.0	31	22	42	36	60	94	124	12	33.5	42	42.85	15	68	85	0.72
SI28T/K	28	M27x2.0	35	24	51	41	66	103	136	14	37	46	47.6	15	86	107	0.82
SI30T/K	30	M30x2.0	37	25	51	41	70	110	145	15	40	50	50.8	17	88	114	1.1
SI30-1T/K	30	M27x2.0	37	25	51	41	70	110	145	15	40	50	50.8	17	88	114	1.1
SI35T/K	35	M36x2.0	43	28	56	50	81	125	165.5	17	46	58	57.1	16			1.6
SI40T/K	40	M42x2.0	49	33	60	55	91	142	187.5	19	53	65	66.6	17			2.4
SI50T/K	50	M48x2.0	60	45	65	65	117	160	218.5	23	65	75	82.5	12			5

For left-hand thread,please add surffix "L",e.g.SIL 20 T/K.

SA..T/K

Rod body with right or left-hand male thread.
It is made up of a maintenance-free radial spherical plain bearing G..PW and rod body.
Surface of rod body zinc plated.

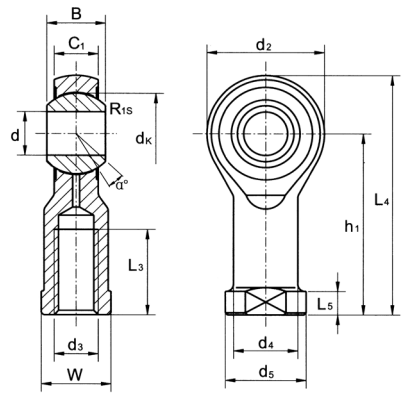


Bearing number	Dimenisions mm												Load ratings kN		Weight
	d	d3 6g	B	C1	L1 min	d2	L7 min	h	L2	dk	R1s	a° ≈	Dynamic	Static	≈Kg
SA5T/K	5	M5x0.8	8	6	19	18		33	42	11.11	0.3	13	5.7	6	0.013
SA6T/K	6	M6x1.0	9	6.75	21	20		36	46	12.7	0.3	13	7.2	7.65	0.02
SA8T/K	8	M8x1.25	12	9	25	24		42	54	15.875	0.3	14	11.6	12.9	0.038
SA10T/K	10	M10x1.5	14	10.5	28	28		48	62	19.05	0.3	13	14.5	18	0.055
SA12T/K	12	M12x1.75	16	12	32	32		54	70	22.225	0.3	13	17	24	0.085
SA14T/K	14	M14x2.0	19	13.5	36	36	18	60	78	25.4	0.3	16	24	31	0.14
SA16T/K	16	M16x2.0	21	15	37	42	21	66	87	28.575	0.3	15	28.5	39	0.21
SA18T/K	18	M18x1.5	23	16.5	41	44	22	72	94	31.75	0.3	15	42.5	47.5	0.28
SA20T/K	25	M20x1.5	25	18	45	50	25	78	103	34.925	0.3	14	42.5	57	0.38
SA22T/K	22	M22x1.5	28	20	48	54	27	84	111	38.1	0.3	15	57	68	0.48
SA25T/K	25	M24x2.0	31	22	55	60	30	94	124	42.85	0.3	15	68	85	0.64
SA28T/K	28	M27x2.0	35	24	62	66	33	103	136	47.6	0.3	15	86	107	0.8
SA30T/K	30	M30x2.0	37	25	66	70	35	110	145	50.8	0.3	17	88	114	1.1
SA35T/K	35	M36x2.0	43	28	85	81	41	140	180.5	57.1	0.3	16			1.64
SA40T/K	40	M42x2.0	49	33	90	91	46	150	195.5	66.6	0.3	17			2.3
SA50T/K	50	M48x2.0	60	45	105	117	59	185	243.5	82.5	0.3	12			4.8

-For left-hand thread,please add surffix "L",e.g.SAL 20 T/K.

SI..BK

Rod body with right or left-hand female thread.
Rod body pressed around inner ring.
Outer race lined with PTFE composite material.
Surface of rod body zinc plated.

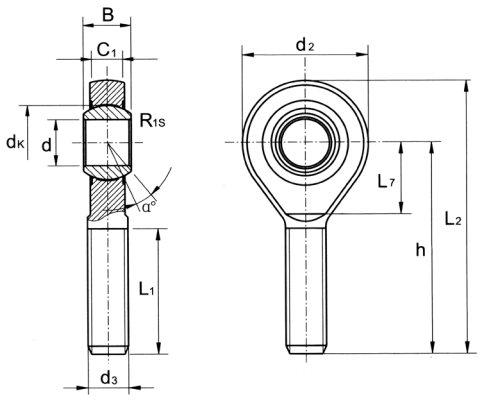


Bearing number	Dimenisions mm														Load ratings kN		Weight
	d	d3 7H	B	C1	L3 min	W	d2	h1	L4	L5	d4	d5	dk	a° ≈	Dynamic	Static	≈Kg
SI5BK	5	M5x0.8	8	6	10	9	18	27	36	4	8.5	11	11.11	13	5.7	6	0.016
SI6BK	6	M6x1.0	9	6.75	12	11	20	30	40	5	10	13	12.7	13	7.2	7.65	0.022
SI8BK	8	M8x1.25	12	9	16	14	24	36	48	5	12.5	16	15.875	14	11.6	12.9	0.047
SI10BK	10	M10x1.5	14	10.5	20	17	28	43	57	6.5	15	19	19.05	13	14.5	18	0.077
SI10-1BK	10	M10x1.25	14	10.5	20	17	28	43	57	6.5	15	19	19.05	13	14.5	18	0.077
SI12BK	12	M12x1.75	16	12	22	19	32	50	66	6.5	17.5	22	22.225	13	17	24	0.1
SI12-1BK	12	M12x1.25	16	12	22	19	32	50	66	6.5	17.5	22	22.225	13	17	24	0.1
SI14BK	14	M14x2.0	19	13.5	25	22	36	57	75	8	20	25	25.4	16	24	31	0.16
SI14-1BK	14	M14x1.5	19	13.5	25	22	36	57	75	8	20	25	25.4	16	24	31	0.16
SI16BK	16	M16x2.0	21	15	28	22	42	64	85	8	22	27	28.575	15	28.5	39	0.22
SI16-1BK	16	M16x1.5	21	15	28	22	42	64	85	8	22	27	28.575	15	28.5	39	0.22
SI18BK	18	M18x1.5	23	16.5	32	27	44	71	93	10	25	31	31.75	15	42.5	47.5	0.32
SI20BK	20	M20x1.5	25	18	33	30	50	77	102	10	27.5	34	34.925	14	42.5	57	0.42
SI22BK	22	M22x1.5	28	20	37	32	54	84	111	12	30	38	38.1	15	57	68	0.54
SI25BK	25	M24x2.0	31	22	42	36	60	94	124	12	33.5	42	42.85	15	68	85	0.72
SI28BK	28	M27x2.0	35	24	51	41	66	103	136	14	37	46	47.6	15	86	107	0.82
SI30BK	30	M30x2.0	37	25	51	41	70	110	145	15	40	50	50.8	17	88	114	1.1

For left-hand thread,please add surffix "L",e.g.SIL 20 BK.

SA..BK

Rod body with right or left-hand male thread.
Rod body pressed around inner ring.
Outer race lined with PTFE composite material.
Surface of rod body zinc plated.

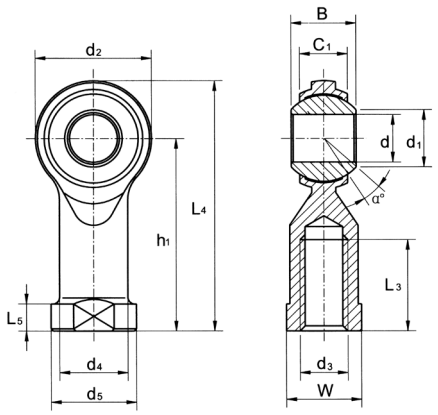


Bearing number	Dimenisions mm												Load ratings kN		Weight ≈Kg
	d	d3 6g	B	C1	L1 min	d2	L7 min	h	L2	dk	R1s	a° ≈	Dynamic	Static	
SA5BK	5	M5x0.8	8	6	19	18		33	42	11.11	0.3	13	5.7	6	0.013
SA6BK	6	M6x1.0	9	6.75	21	20		36	46	12.7	0.3	13	7.2	7.65	0.02
SA8BK	8	M8x1.25	12	9	25	24		42	54	15.875	0.3	14	11.6	12.9	0.038
SA10BK	10	M10x1.5	14	10.5	28	28		48	62	19.05	0.3	13	14.5	18	0.055
SA12BK	12	M12x1.75	16	12	32	32		54	70	22.225	0.3	13	17	24	0.085
SA14BK	14	M14x2.0	19	13.5	36	36	18	60	78	25.4	0.3	16	24	31	0.14
SA16BK	16	M16x2.0	21	15	37	42	21	66	87	28.575	0.3	15	28.5	39	0.21
SA18BK	18	M18x1.5	23	16.5	41	44	23	72	94	31.75	0.3	15	42.5	47.5	0.28
SA20BK	20	M20x1.5	25	18	45	50	25	78	103	34.925	0.3	14	42.5	57	0.38
SA22BK	22	M22x1.5	28	20	48	54	27	84	111	38.1	0.3	15	57	68	0.48
SA25BK	25	M24x2.0	31	22	55	60	30	94	124	42.85	0.3	15	68	85	0.64
SA28BK	28	M27x2.0	35	24	62	66	33	103	136	47.6	0.3	15	86	107	0.8
SA30BK	30	M30x2.0	37	25	66	70	35	110	145	50.8	0.3	17	88	114	1.1

For left-hand thread,please add surffix "L",e.g.SAL 20 BK.

SI..PK

Rod body with right or left-hand female thread.
Rod body pressed around inner ring.
Outer race lined with PTFE composite material.
Surface of rod body zinc plated.

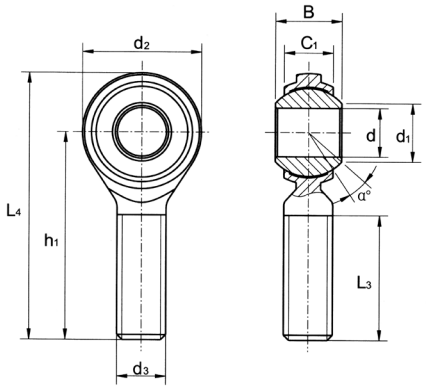


Bearing number	Dimenisions mm												Load ratings kN		Weight
	d	d3 7H	B	C1	L3 min	W	d2	h1	L4	L5	d4	d5	a° ≈	Dynamic	Static	≈Kg
SI5PK	5	M5x0.8	8	6	10	9	19	27	36.5	4	9	11	12	5.7	6	0.018
SI6PK	6	M6x1.0	9	6.7	12	11	21	30	40.5	5	10	13	11	7.2	7.65	0.026
SI8PK	8	M8x1.25	12	9	16	14	25	36	48.5	5	12.5	16	12	11.6	12.9	0.047
SI10PK	10	M10x1.5	14	11	20	17	29	43	57.5	6.5	15	19	12	14.5	18	0.077
SI10-1PK	10	M10x1.25	14	11	20	17	29	43	57.5	6.5	15	19	12	14.5	18	0.077
SI12PK	12	M12x1.75	16	12	22	19	33	50	66.5	6.5	17.5	22	13	17	24	0.1
SI12-1PK	12	M12x1.25	16	12	22	19	33	50	66.5	6.5	17.5	22	13	17	24	0.1
SI14PK	14	M14x2.0	19	14	25	22	37	57	75.5	8	20	25	14	24	31	0.16
SI16PK	16	M16x2.0	21	15	28	22	43	64	85.5	8	22	27	14	28.5	39	0.22
SI16-1PK	16	M16x1.5	21	15	28	22	43	64	85.5	8	22	27	14	28.5	39	0.22
SI18PK	18	M18x1.5	23	17	32	27	47	71	94.5	10	25	31	14	42.5	47.5	0.32
SI20PK	20	M20x1.5	25	18	33	30	51	77	102.5	10	27.5	34	14	42.5	57	0.42
SI22PK	22	M22x1.5	28	20	37	32	55	84	111.5	12	30	38	15	57	68	0.54
SI25PK	25	M24x2.0	31	22	42	36	61	94	124.5	12	33.5	42	15	68	85	0.72

For left-hand thread,please add surffix "L",e.g.SIL 20 PK.

SA..PK

Rod body with right or left-hand male thread.
Rod body pressed around inner ring.
Outer race lined with PTFE composite material.
Surface of rod body zinc plated.



Bearing number	Dimenisions mm									Load ratings kN		Weight ≈Kg
	d	d3 6g	B	C1	d2	h1	L4	L3 min	a° ≈	Dynamic	Static	
SA5PK	5	M5x0.8	8	6	19	33	42.5	20	12	5.7	6	0.014
SA6PK	6	M6x1.0	9	6.7	21	36	46.5	22	11	7.2	7.65	0.02
SA8PK	8	M8x1.25	12	9	25	42	54.5	25	12	11.6	12.9	0.038
SA10PK	10	M10x1.5	14	11	29	48	62.5	29	12	14.5	18	0.055
SA12PK	12	M12x1.75	16	12	33	54	70.5	33	13	17	24	0.085
SA14PK	14	M14x2.0	19	14	37	60	78.5	36	14	24	31	0.14
SA16PK	16	M16x2.0	21	15	43	66	87.5	40	14	28.5	39	0.21
SA18PK	18	M18x1.5	23	17	47	72	95.5	44	14	42.5	47.5	0.28
SA20PK	20	M20x1.5	25	18	51	78	103.5	47	14	42.5	57	0.38
SA22PK	22	M22x1.5	28	20	55	84	111.5	50	15	57	68	0.48
SA25PK	25	M24x2.0	31	22	61	94	124.5	57	15	68	85	0.64

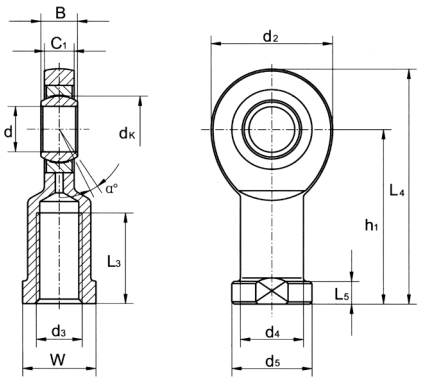
For left-hand thread,please add surffix "L",e.g.SAL 20 PK.

GIR..UK,GIR..UK 2RS

Rod body with right or left-hand female thread.

It is made up of a maintenance-free radial spherical plain bearing GE..C or GE..ET-2RS and rod body.

Surface of rod body zinc plated.



Bearing number	Dimenisions mm														Load ratings kN		Weight
	d	d3 6H	B	C1	L3 min	W	d2	h1	L4	L5	d4	d5	dk	a° ≈	Dynamic	Static	≈Kg
GIR6UK	6	M6x1.0	6	4.4	11	11	21	30	40.5	5	10	13	10	13	3.6	8.15	0.021
GIR8UK	8	M8x1.25	8	6	15	14	24	36	48	5	12.5	16	13	15	5.85	12.9	0.039
GIR10UK	10	M10x1.5	9	7	20	17	29	43	57.5	6.5	15	19	16	12	8.65	17.6	0.061
GIR12UK	12	M12x1.75	10	8	23	19	34	50	67	6.5	17.5	22	18	11	11.4	24.5	0.096
GIR15UK	15	M14x2.0	12	10	30	22	40	61	81	8	21	26	22	8	17.6	36	0.18
GIR17UK(2RS)	17	M16x2.0	14	11	34	27	46	67	90	10	24	30	25	10	22.4	45	0.22
GIR20UK(2RS)	20	M20x1.5	16	13	40	32	53	77	103.5	10	27.5	35	29	9	31.5	60	0.35
GIR25UK(2RS)	25	M24x2.0	20	17	48	36	64	94	126	12	33.5	42	35.5	7	51	83	0.64
GIR30UK(2RS)	30	M30x2.0	22	19	56	41	73	110	146.5	15	40	50	40.7	6	66.5	110	0.93
GIR35UK2RS	35	M36x3.0	25	21	60	50	82	125	166	15	47	58	47	6	112	146	1.3
GIR40UK2RS	40	M39x3.0	28	23	65	55	92	142	188	18	52	65	53	7	140	180	2
GIR45UK2RS	45	M42x3.0	32	27	65	60	102	145	196	20	58	70	60	7	180	240	2.5
GIR50UK2RS	50	M45x3.0	35	30	68	65	112	160	216	20	62	75	66	6	220	290	3.5
GIR60UK2RS	60	M52x3.0	44	38	70	75	135	175	242.5	20	70	88	80	6	345	450	5.5
GIR70UK2RS	70	M56x4.0	49	42	80	85	160	200	280	20	80	98	92	6	440	610	8.6
GIR80UK2RS	80	M64x4.0	55	47	85	100	180	230	320	25	95	110	105	6	570	750	12

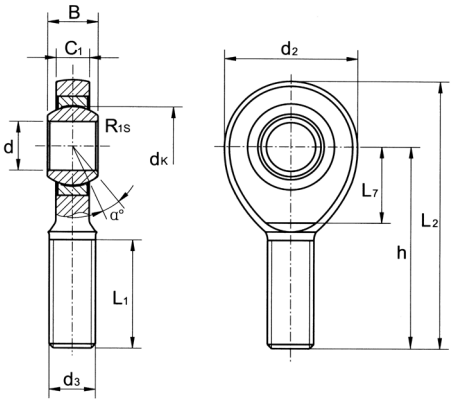
For left-hand thread,please add surffix "L",e.g.GIL 20 UK.

GAR..UK,GAR..UK 2RS

Rod body with right or left-hand male thread.

It is made up of a maintenance-free radial spherical plain bearing GE..C or GE..ET-2RS and rod body.

Suface of rod body zinc plated.

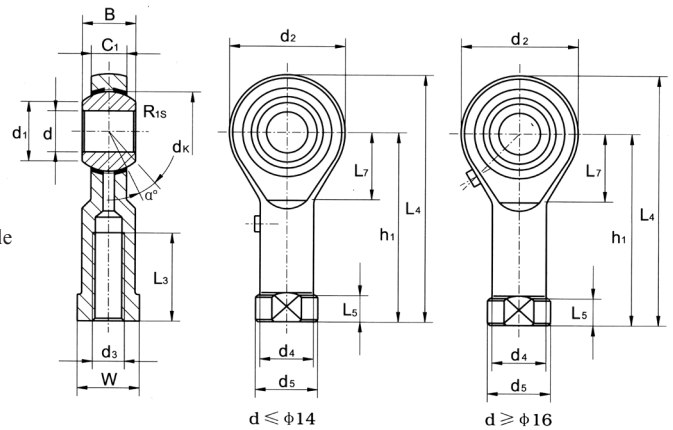


Bearing number	Dimenisions mm												Load ratings kN		Weight
	d	d3 6g	B	C1	L1 min	d2	L7	h	L2	dk	R1s	a° ≈	Dynamic	Static	≈Kg
GAR6UK	6	M6x1.0	6	4.4	18	21	12	36	46.5	10	0.3	13	3.6	8.15	0.017
GAR8UK	8	M8x1.25	8	6	22	24	14	42	54	13	0.3	15	5.85	12.9	0.029
GAR10UK	10	M10x1.5	9	7	26	29	15	48	62.5	16	0.3	12	8.65	17.6	0.051
GAR12UK	12	M12x1.75	10	8	28	34	18	54	71	18	0.3	11	11.4	24.5	0.086
GAR15UK	15	M14x2.0	12	10	34	40	20	63	83	22	0.3	8	17.6	36	0.14
GAR17UK(2RS)	17	M16x2.0	14	11	36	46	23	69	92	25	0.3	10	22.4	45	0.19
GAR20UK(2RS)	20	M20x1.5	16	13	43	53	27	78	104.5	29	0.6	9	31.5	60	0.31
GAR25UK(2RS)	25	M24x2.0	20	17	53	64	32	94	126	35.5	0.6	7	51	83	0.56
GAR30UK(2RS)	30	M30x2.0	22	19	65	73	37	110	146.5	40.7	0.6	6	66.5	110	0.89
GAR35UK2RS	35	M36x3.0	25	21	82	82	42	140	181	47	0.6	6	112	146	1.4
GAR40UK2RS	40	M39x3.0	28	23	86	92	48	150	196	53	0.6	7	140	180	1.8
GAR45UK2RS	45	M42x3.0	32	27	94	102	52	163	214	60	0.6	7	180	240	2.6
GAR50UK2RS	50	M45x3.0	35	30	107	112	60	185	241	66	0.6	6	220	290	3.4
GAR60UK2RS	60	M52x3.0	44	38	115	135	75	210	277.5	80	1	6	345	450	5.9
GAR70UK2RS	70	M56x4.0	49	42	125	160	87	235	315	92	1	6	440	610	8.2
GAR80UK2RS	80	M64x4.0	55	47	140	180	100	270	360	105	1	6	570	750	12

For left-hand thread,please add surffix "L",e.g.GAL 20 UK.

PHS

Rod body with right or left-hand female thread.
Outer race lined with bronze liner.
Surface of rod body zinc plated,rod body with a lubricating hole or grease nipple.



d ≤ ϕ14 d ≥ ϕ16

Bearing number	Dimenisions mm														Load ratings kN		Weight
	d	d3 6H	B	C1	L3 min	W	d2	d1	h1	L4	L5	d4	d5	dk	a° ≈	Dynamic	Static	≈Kg
PHS5	5	M5x0.8	8	6	10	9	16	7.7	27	35	4	8.5	11	11.11	13	3.25	5.7	0.016
PHS6	6	M6x1.0	9	6.75	12	11	18	8.96	30	39	5	10	13	12.7	13	4.3	7.2	0.022
PHS8	8	M8x1.25	12	9	16	14	22	10.4	36	47	5	12.5	16	15.875	14	7.2	11.6	0.047
PHS10	10	M10x1.5	14	10.5	20	17	26	12.9	43	56	6.5	15	19	19.05	13	10	14.5	0.077
PHS10-1	10	M10x1.25	14	10.5	20	17	26	12.9	43	56	6.5	15	19	19.05	13	10	14.5	0.077
PHS12	12	M12x1.75	16	12	22	19	30	15.4	50	65	6.5	17.5	22	22.225	13	13.4	17	0.1
PHS12-1	12	M12x1.25	16	12	22	19	30	15.4	50	65	6.5	17.5	22	22.225	13	13.4	17	0.1
PHS14	14	M14x2.0	19	13.5	25	22	34	16.9	57	74	8	20	25	25.4	16	17	24	0.16
PHS14-1	14	M14x1.5	19	13.5	25	22	34	16.9	57	74	8	20	25	25.4	16	17	24	0.16
PHS16	16	M16x2.0	21	15	28	22	40	19.4	64	84	8	22	27	28.575	15	21.6	28.5	0.22
PHS16-1	16	M16x1.5	21	15	28	22	40	19.4	64	84	8	22	27	28.575	15	21.6	28.5	0.22
PHS18	18	M18x1.5	23	16.5	32	27	44	21.9	71	93	10	25	31	31.75	15	26	42.5	0.32
PHS20	20	M20x1.5	25	18	33	30	50	24.4	77	102	10	27.5	34	34.925	14	31.5	42.5	0.42
PHS22	22	M22x1.5	28	20	37	32	54	25.8	84	111	12	30	38	38.1	15	38	57	0.54
PHS25	25	M24x2.0	31	22	42	36	60	29.6	94	124	12	33.5	42	42.85	15	47.5	68	0.73
PHS28	28	M27x2.0	35	24	48	41	66	32.3	103	136	14	37.5	46	47.6	15	58	75	0.98
PHS30	30	M30x2.0	37	25	51	41	70	34.8	110	145	15	40	50	50.8	17	64	88	1.1
PHS30-1	30	M27x2.0	37	25	51	41	70	34.8	110	145	15	40	50	50.8	17	64	88	1.1

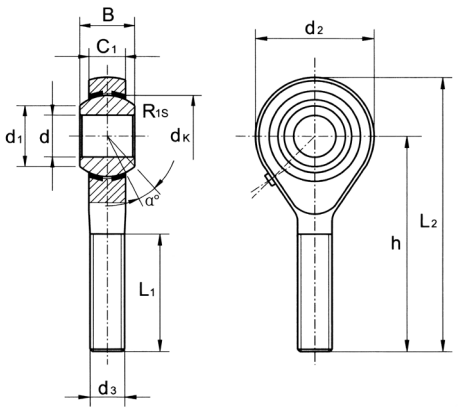
For left-hand thread,please add surffix "L",e.g.PHSL 20.

POS

Rod body with right or left-hand male thread.

Outer race lined with bronze liner.

Surface of rod body zinc plated,rod body with a lubricating hole or grease nipple.

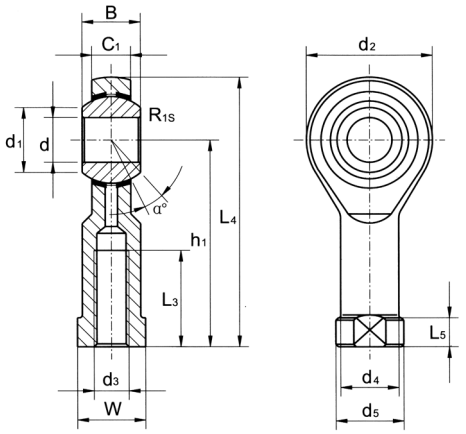


Bearing number	Dimenisions mm												Load ratings kN		Weight ≈Kg
	d	d3 6g	B	C1	L1 min	d1	d2	h	L2	dk	R1s	a° ≈	Dynamic	Static	
POS5	5	M5x0.8	8	6	20	7.7	16	33	41	11.11	0.3	13	3.25	5.7	0.013
POS6	6	M6x1.0	9	6.75	22	8.96	18	36	45	12.7	0.3	13	4.3	7.2	0.02
POS8	8	M8x1.25	12	9	25	10.4	22	42	53	15.875	0.3	14	7.2	11.6	0.03
POS10	10	M10x1.5	14	10.5	29	12.9	26	48	61	19.05	0.3	13	10	14.5	0.055
POS12	12	M12x1.75	16	12	33	15.4	30	54	69	22.225	0.3	13	13.4	17	0.085
POS14	14	M14x2.0	19	13.5	36	16.9	34	60	77	25.4	0.3	16	17	24	0.14
POS16	16	M16x2.0	21	15	40	19.4	40	66	86	28.575	0.3	15	21.6	28.5	0.21
POS18	18	M18x1.5	23	16.5	44	21.9	44	72	94	31.75	0.3	15	26	42.5	0.28
POS20	20	M20x1.5	25	18	47	24.4	50	78	103	34.925	0.3	14	31.5	52.5	0.38
POS22	22	M22x1.5	28	20	51	25.8	54	84	111	38.1	0.3	15	38	57	0.48
POS25	25	M24x2.0	31	22	57	29.6	60	94	124	42.85	0.3	15	47.5	68	0.64
POS28	28	M27x2.0	35	24	62	32.3	66	103	136	47.6	0.3	15	58	75.5	0.96
POS30	30	M30x2.0	37	25	66	34.8	70	110	145	50.8	0.3	17	64	88	1.1

For left-hand thread,please add surffix "L",e.g.POSL 20.

SIZP..S

Rod body with right or left-hand female thread.
Outer race lined with bronze liner.
Surface of rod body zinc plated.
In inch dimension series.

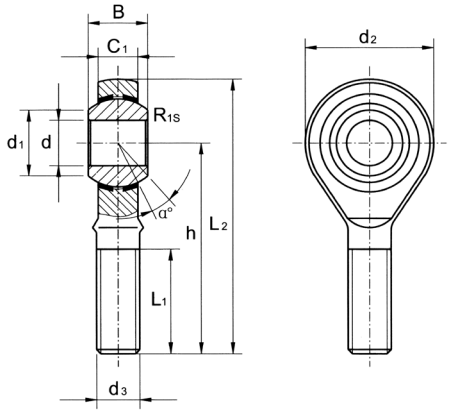


Bearing number	Dimenisions mm														Load ratings kN		Weight ≈Kg
	d	d3 2B	B	C1	d1	R1S	d2	h1	L3 min	L4	L5	d4	d5	w	a° ≈	Dynamic	Static	
SIZP4S	4.826	10-32	7.92	6.35	7.8	0.3	15.88	26.97	14.27	34.91	4.75	7.54	10.31	7.92	10	3.4	4.6	0.015
SIZP6S	6.35	1/4-28	9.53	7.14	8.4	0.3	19.05	33.32	19.05	42.85	4.75	9.15	11.91	9.53	13	4.5	7.7	0.025
SIZP7S	7.938	5/16-24	11.1	8.74	11.4	0.3	22.23	34.93	19.05	46.04	4.75	10.72	12.7	11.1	10	6.9	8.4	0.036
SIZP9S	9.525	3/8-24	12.7	10.31	13.1	0.6	25.4	41.28	23.8	53.98	6.35	13.89	17.45	14.27	9	9.4	10	0.061
SIZP11S	11.113	7/16-20	14.27	11.1	14.9	0.6	28.58	46.02	26.97	60.31	6.35	15.49	19.05	15.88	11	11	13	0.084
SIZP12S	12.7	1/2-20	15.88	12.7	17.7	0.6	33.32	53.98	30.15	70.64	6.35	18.67	22.23	19.05	9	15	19	0.133
SIZP15S	15.875	5/8-18	19.05	14.27	21.3	0.6	38.1	63.5	38.1	82.55	7.92	21.84	25.4	22.23	11	20	21	0.19
SIZP19S	19.05	3/4-16	22.23	17.45	24.8	0.6	44.45	73.03	44.45	95.25	7.92	25.02	28.58	25.4	10	29	29	0.285
SIZP25S	25.4	5/4-12	34.93	25.4	32.2	0.6	69.85	104.78	53.98	139.7	11.1	37.72	44.45	38.1	14	60	101	1

For left-hand thread,please add surffix "L",e.g.SILZP 25 S.

SAZP..S

Rod body with right or left-hand male thread.
Outer race lined with bronze liner.
Surface of rod body zinc plated.
In inch dimension series.



Bearing number	Dimenisions mm											Load ratings kN		Weight ≈Kg
	d	d3 3A	B	C1	L1	d2	h	L2	d1	R1s	a° ≈	Dynamic	Static	
SAZP4S	4.826	10-32	7.925	6.35	19.05	15.88	31.75	39.7	7.8	0.3	10	3.4	3.8	0.013
SAZP6S	6.35	1/4-28	9.525	7.14	25.4	19.05	39.67	49.2	8.4	0.3	13	4.5	6.6	0.022
SAZP7S	7.938	5/16-24	11.1	8.74	31.75	22.23	47.63	58.72	11.4	0.3	10	6.9	8.4	0.037
SAZP9S	9.525	3/8-24	12.7	10.31	31.75	25.4	49.23	61.93	13.1	0.6	9	9.4	10	0.055
SAZP11S	11.113	7/16-20	14.275	11.1	34.95	28.58	53.98	68.28	14.9	0.6	11	11	13	0.078
SAZP12S	12.7	1/2-20	15.875	12.7	38.1	33.32	61.93	78.59	17.7	0.6	9	15	19	0.12
SAZP15S	15.875	5/8-18	19.05	14.27	41.28	38.1	66.68	85.73	21.3	0.6	11	20	21	0.18
SAZP19S	19.05	3/4-16	22.225	17.45	44.45	44.45	73.03	95.25	24.8	0.6	10	29	29	0.29
SAZP25S	25.4	5/4-12	34.93	25.4	53.98	69.85	104.78	139.7	32.2	0.6	14	60	101	1.1

For left-hand thread,please add surffix "L",e.g.SALZP 25 S.

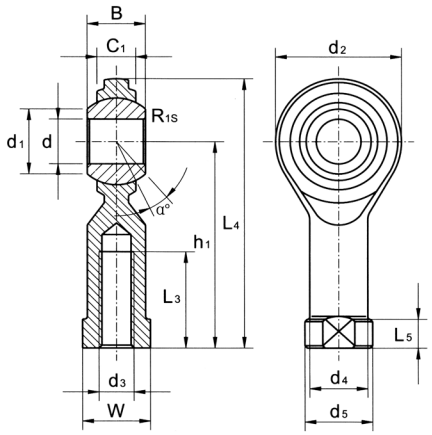
SIZJ,SIZJ..S

Rod body with right or left-hand female thread.

Rod body pressed around inner ring.

Surface of rod body zinc plated.

In inch dimension series.



Bearing number	Dimenisions mm															Load ratings kN		Weight ≈Kg
	d	d3 2B	B	C1	d1 min	R1S	d2	h1	L3	L4	L5	d4	d5	w	a° ≈	Dynamic	Static	
SIZJ4*	4.826	10-32	7.92	5.94	7.8	0.3	15.88	26.97	12.7	34.93	4.75	7.54	10.31	7.92	10	3.6	6.8	0.018
SIZJ6*	6.35	1/4-28	9.53	6.35	8.4	0.3	19.05	33.32	15.88	42.85	4.75	9.15	11.91	9.53	13.5	5.4	9.6	0.023
SIZJ7*	7.938	5/16-24	11.1	7.92	11.4	0.3	22.23	34.93	15.88	46.02	4.75	10.72	12.7	11.1	11	8.5	12	0.036
SIZJ9	9.525	3/8-24	12.7	9.12	13.1	0.6	25.4	41.28	19.05	53.98	6.35	13.89	17.45	14.27	11	11	16	0.059
SIZJ11	11.113	7/16-20	14.27	10.31	14.9	0.6	28.58	46.02	22.23	60.33	6.35	15.49	19.05	15.88	10.5	14	21	0.082
SIZJ12	12.7	1/2-20	15.88	11.5	17.7	0.6	33.32	53.98	25.4	70.64	6.35	18.67	22.23	19.05	10	18	28	0.132
SIZJ15	15.875	5/8-18	19.05	12.29	21.3	0.6	38.1	63.5	31.75	82.55	7.92	21.84	25.4	22.23	13	23	29	0.195
SIZJ19	19.05	3/4-16	22.23	15.06	24.8	0.6	44.45	73.03	34.93	95.25	7.92	25.02	28.58	25.4	12	34	44	0.295

For left-hand thread,please add surffix "L",e.g.SILZJ 12.

Lubricating hole or grease nipple isn't available for sizes marked "*".

When a grease nipple is required for other sizes,please use the sign SIZJ..S.

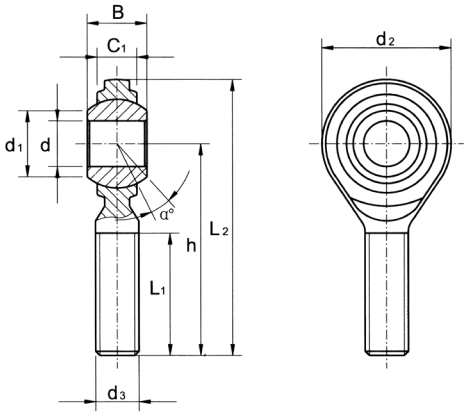
SAZJ,SAZJ..S

Rod body with right or left-hand male thread.

Rod body pressed around inner ring.

Surface of rod body zinc plated.

In inch dimension series.



Bearing number	Dimenisions mm											Load ratings kN		Weight
	d	d3 6g	B	C1	L1 min	d2	h	L2	d1 min	R1s	a° ≈	Dynamic	Static	≈Kg
SAZJ4*	4.826	10-32	7.92	5.94	19.05	15.88	31.75	39.7	7.8	0.3	10	3.6	3.8	0.014
SAZJ6*	6.35	1/4-28	9.53	6.35	25.4	19.05	39.67	49.2	8.4	0.3	13.5	5.4	6.6	0.018
SAZJ7*	7.938	5/16-24	11.1	7.92	31.75	22.23	47.63	58.74	11.4	0.3	11	8.5	12	0.032
SAZJ9	9.525	3/8-24	12.7	9.12	31.75	25.4	49.23	61.93	13.1	0.6	11	11	16	0.05
SAZJ11	11.113	7/16-20	14.27	10.31	34.93	28.58	53.98	68.28	14.9	0.6	10.5	14	21	0.068
SAZJ12	12.7	1/2-20	15.88	11.5	38.1	33.32	61.93	78.59	17.7	0.6	10	18	28	0.11
SAZJ15	15.875	5/8-18	19.05	12.29	41.28	38.1	66.68	85.73	21.3	0.6	13	23	29	0.16
SAZJ19	19.05	3/4-16	22.23	15.06	44.45	44.45	73.03	95.25	24.8	0.6	12	34	44	0.26

For left-hand thread,please add surffix "L",e.g.SALZJ 12.

Lubricating hole or grease nipple isn't available for sizes marked "*".

When a grease nipple is required for other sizes,please use the sign SAZJ..S.

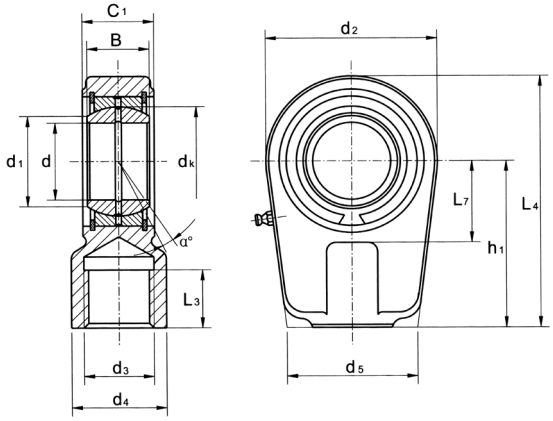
Load ratings apply only to rod ends without lubricating hole or grease nipple.

GIHR..DO

Rod end housing with right or left-hand female thread.

It is made up of a radial spherical plain bearing GE..ES or GE..ES 2RS and rod end housing.

Rod end housing with a lubricating hole or grease nipple.



Bearing number	Dimensions mm														Load ratings kN		Weight ≈Kg
	d	d3 6H	d4	L3 min	B	C1	d2	L7 min	h1	L4	d5	d1	dk	a° ≈	Dynamic	Static	
GIHR20DO	20	M16x1.5	25	17	16	19	56	25	50	80	46	24.2	29	9	30	72	0.43
GIHR25DO	25	M16x1.5	25	17	20	23	56	28	50	80	46	29.3	35.5	7	48	72	0.48
GIHR30DO	30	M22x1.5	32	23	22	28	64	30	60	94	50	34.2	40.7	6	62	106	0.74
GIHR35DO	35	M28x1.5	40	29	25	30	78	38	70	112	66	39.8	47	6	80	153	1.2
GIHR40DO	40	M35x1.5	49	36	28	35	94	45	85	135	76	45	53	7	100	250	2
GIHR50DO	50	M45x1.5	61	46	35	40	116	55	105	168	90	55.9	66	6	156	365	3.8
GIHR60DO	60	M58x1.5	75	59	44	50	130	65	130	200	120	66.8	80	6	245	400	5.4
GIHR70DO	70	M65x1.5	86	66	49	55	154	75	150	237	130	77.9	92	6	315	540	8.5
GIHR80DO	80	M80x2.0	105	81	55	60	176	80	170	265	160	89.4	105	6	400	670	12
GIHR90DO	90	M100x2.0	124	101	60	65	206	90	210	323	180	98.1	115	5	490	980	21.5
GIHR100DO	100	M110x2.0	138	111	70	70	230	105	235	360	200	109.5	130	7	610	1120	27.5
GIHR110DO	110	M120x3.0	152	125	70	80	265	115	265	407.5	220	121.2	140	6	655	1700	40.5
GIHR120DO	120	M130x3.0	172	135	85	90	340	140	310	490	257	135.5	160	6	950	2900	76

For left-hand thead ,suffix "L" is added to bearing number,e.g.GIHL 20 DO.

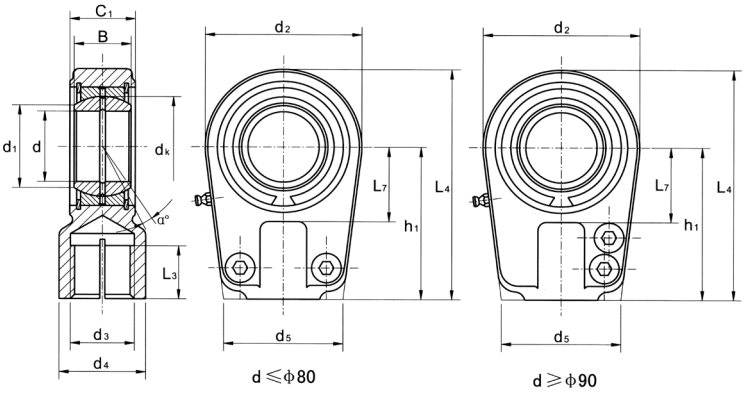
GIHR-K..DO

Rod end housing with right or left-hand female thread.

It is made up of a radial spherical plain bearing GE..ES or GE..ES 2RS and rod end housing.

With locking slot and nut.

Rod end housing with a lubricating hole or grease nipple.

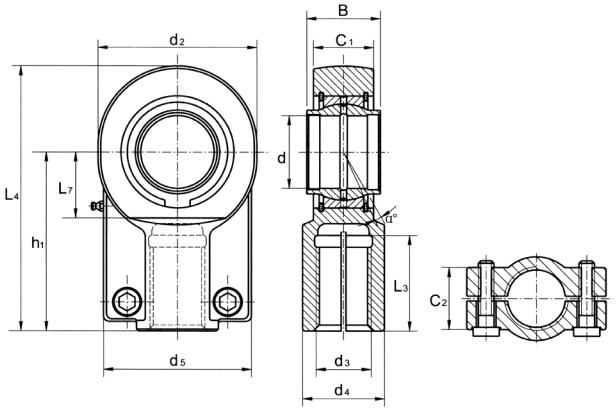


Bearing number	Dimenisions mm														Load ratings kN		Weight
	d	d3 6H	d4	L3 min	B	C1	d2	L7 min	h1	L4	d5	d1	dk	a° ≈	Dynamic	Static	≈Kg
GIHR-K20DO	20	M16x1.5	25	17	16	19	56	25	50	80	46	24.2	29	9	30	72	0.43
GIHR-K25DO	25	M16x1.5	25	17	20	23	56	28	50	80	46	29.3	35.5	7	48	72	0.48
GIHR-K30DO	30	M22x1.5	32	23	22	28	64	30	60	94	50	34.2	40.7	6	62	106	0.74
GIHR-K35DO	35	M28x1.5	40	29	25	30	78	38	70	112	66	39.8	47	6	80	153	1.2
GIHR-K40DO	40	M35x1.5	49	36	28	35	94	45	85	135	76	45	53	7	100	250	2
GIHR-K50DO	50	M45x1.5	61	46	35	40	116	55	105	168	90	55.9	66	6	156	365	3.8
GIHR-K60DO	60	M58x1.5	75	59	44	50	130	65	130	200	120	66.8	80	6	245	400	5.4
GIHR-K70DO	70	M65x1.5	86	66	49	55	154	75	150	237	130	77.9	92	6	315	540	8.5
GIHR-K80DO	80	M80x2.0	105	81	55	60	176	80	170	265	160	89.4	105	6	400	670	12
GIHR-K90DO	90	M100x2.0	124	101	60	65	206	90	210	323	180	98.1	115	5	490	980	21.5
GIHR-K100DO	100	M110x2.0	138	111	70	70	230	105	235	360	200	109.5	130	7	610	1120	27.5
GIHR-K110DO	110	M120x3.0	152	125	70	80	265	115	265	407.5	220	121.2	140	6	655	1700	40.5
GIHR-K120DO	120	M130x3.0	172	135	85	90	340	140	310	490	257	135.5	160	6	950	2900	76

For left-hand thead ,suffix "L" is added to bearing number,e.g.GIHL-K 20 DO.

GIHN-K..LO

Rod end housing with right or left-hand female thread.
It is made up of a radial spherical plain bearing GEEW..ES and rod end housing.
With locking slot and nut.
Rod end housing with a lubricating hole or grease nipple.



Bearing number	Dimenisions mm												Load ratings kN		Weight
	d	d3 6H	d4	L3 min	B	C1	d2	L7 min	h1	L4	d5	C2	Dynamic	Static	≈Kg
GIHN-K12LO*	12	M12x1.25	16.5	17	12	11	32	14	38	54	32	11	10.8	24.5	0.1
GIHN-K16LO	16	M14x1.5	21	19	16	14	40	18	44	64	40	14	17.6	36.5	0.2
GIHN-K20LO	20	M16x1.5	25	23	20	17	47	22	52	77	47	17	30	48	0.4
GIHN-K25LO	25	M20x1.5	30	29	25	22	58	27	65	96	54	19	48	78	0.66
GIHN-K32LO	32	M27x2.0	38	37	32	28	71	32	80	118.5	66	22	67	114	1.2
GIHN-K40LO	40	M33x2.0	47	46	40	33	90	41	97	146	80	26	100	204	2.1
GIHN-K50LO	50	M42x2.0	58	57	50	41	109	50	120	179.5	96	32	156	310	4.4
GIHN-K63LO	63	M48x2.0	70	64	63	53	136	62	140	213	114	38	255	430	7.6
GIHN-K70LO	70	M56x2.0	80	76	70	57	155	70	160	245	135	42	315	540	9.5
GIHN-K80LO	80	M64x3.0	90	86	80	66	168	78	180	270	148	48	400	695	14.5
GIHN-K90LO	90	M72x3.0	100	91	90	72	185	85	195	296	160	52	490	750	17
GIHN-K100LO	100	M80x3.0	110	96	100	84	210	98	210	322	178	62	610	1060	28
GIHN-K110LO	110	M90x3.0	125	106	110	88	235	105	235	364	190	62	655	1200	32
GIHN-K125LO	125	M100x3.0	135	113	125	102	260	120	260	405	200	72	950	1430	43

For left-hand thead ,suffix "L" is added to bearing number,e.g.GIHN-KL 20 LO.
Relubrication not possible for the size marked "*".

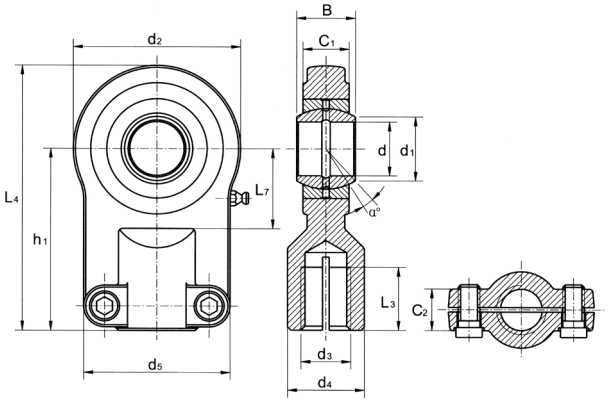
GIHO-K..DO

Rod end housing with right or left-hand female thread.

It is made up of a radial spherical plain bearing GE..ES or GE..ES 2RS and rod end housing.

With locking slot and nut.

Rod end housing with a lubricating hole or grease nipple.



Bearing number	Dimenisions mm														Load ratings kN		Weight
	d	d3 6H	d4	L3 min	B	C1	d2	L7 min	h1	L4	d5	d1	C2	a° ≈	Dynamic	Static	≈Kg
GIHO-K12DO*	12	M10x1.25	17	15	10	8	35	16	42	59.5	40	15	13	11	10.8	17	0.12
GIHO-K16DO	16	M12x1.25	21	17	14	11	45	20	48	70.5	45	20.7	13	10	21.1	28.5	0.22
GIHO-K20DO	20	M14x1.5	25	19	16	13	55	25	58	85.5	55	24.2	17	9	30	42.5	0.43
GIHO-K25DO	25	M16x1.5	30	23	20	17	65	30	68	100.5	62	29.3	17	7	48	67	0.67
GIHO-K30DO	30	M20x1.5	36	29	22	19	80	35	85	125	77	34.2	19	6	62	108	1.25
GIHO-K40DO	40	M27x2.0	45	37	28	23	100	45	105	155	90	45	23	7	100	156	2.16
GIHO-K50DO	50	M33x2.0	55	46	35	30	120	58	130	190	105	55.9	30	6	156	245	3.9
GIHO-K60DO	60	M42x2.0	68	57	44	38	160	68	150	230	134	66.8	38	6	245	380	7.15
GIHO-K80DO	80	M48x2.0	90	64	55	47	205	82	185	287.5	156	89.4	47	6	400	585	15
GIHO-K100DO	100	M64x3.0	110	86	70	55	240	116	240	360	190	109.5	55	7	610	865	27.3

For left-hand thead ,suffix "L" is added to bearing number,e.g.GIHO-KL 20 DO.

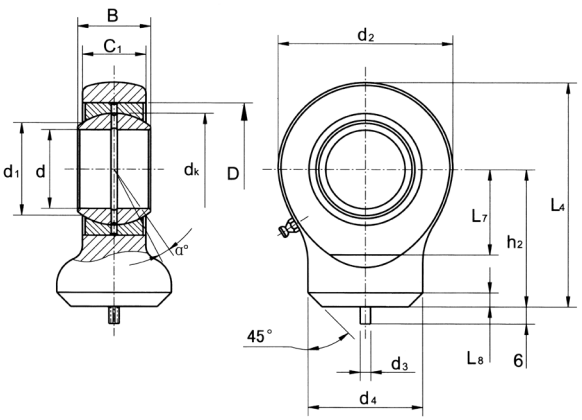
Relubrication not possible for the size marked "*".

GK..DO

Rod end housing with weldable base and bowle pin.

It is made up of a radial spherical plain bearing GE..ES or GE..ES 2RS and rod end housing.

Rod end housing with a lubricating hole or grease nipple.



Bearing number	Dimenisions mm														Load ratings kN		Weight ≈Kg
	d	d3	d4	B	C1	d2	L7 min	L8	h2	L4	dk	d1	D	a° ≈	Dynamic	Static	
GK10DO*	10	3	15	9	7	29	15	1.5	24	38.5	16	13.2	19	12	8.15	15.6	0.041
GK12DO*	12	3	17.5	10	8	34	18	1.5	27	44	18	15	22	11	10.8	21.6	0.066
GK15DO	15	4	21	12	10	40	20	2	31	51	22	18.4	26	8	17	32	0.12
GK17DO	17	4	24	14	11	46	23	2	35	58	25	20.7	30	10	21.2	40	0.19
GK20DO	20	4	27.5	16	13	53	27.5	2	38	64.5	29	24.2	35	9	30	54	0.23
GK25DO	25	4	33.5	20	17	64	33	3	45	77	35.5	29.3	42	7	48	72	0.43
GK30DO	30	4	40	22	19	73	37.5	3	51	87.5	40.7	34.2	47	6	62	95	0.64
GK35DO	35	4	47	25	21	82	43	3	61	102	47	39.8	55	6	80	125	0.96
GK40DO	40	4	52	28	23	92	48	4	69	115	53	45	62	7	100	156	1.3
GK45DO	45	6	58	32	27	102	52	4	77	128	60	50.8	68	7	127	208	1.8
GK50DO	50	6	62	35	30	112	59	4	88	144	66	55.9	75	6	156	250	2.5
GK60DO	60	6	70	44	38	135	72.5	4	100	167.5	80	66.8	90	6	245	390	3.9
GK70DO	70	6	80	49	42	160	86	5	115	195	92	77.9	105	6	315	510	6.6
GK80DO	80	6	95	55	47	180	98	5	141	231	105	89.4	120	6	400	620	8.7

Sealed design also available,e.g.GK 20 DO 2RS.

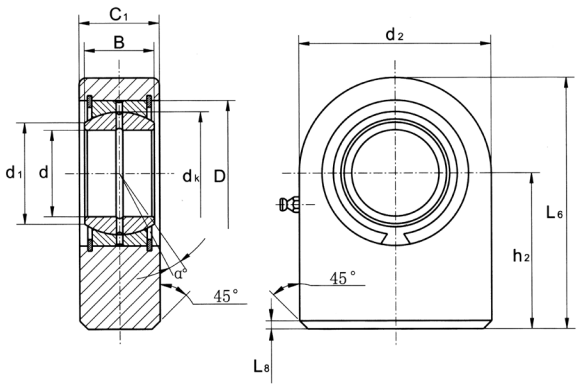
Relubrication not possible for the size marked "*".

GF..DO

Rod end housing with weldable base.

It is made up of a radial spherical plain bearing GE..ES or GE..ES 2RS and rod end housing.

Rod end housing with a lubricating hole or grease nipple.



Bearing number	Dimenisions mm										Load ratings kN		Weight
	d	B	C1	d2	L6	L8	h2	dk	d1	D	Dynamic	Static	≈Kg
GF20DO	20	16	19	50	63	2	38	29	24.2	35	30	67	0.35
GF25DO	25	20	23	55	72.5	2	45	35.5	29.3	42	48	69.5	0.53
GF30DO	30	22	28	65	83.5	2	51	40.7	34.2	47	62	118	0.87
GF35DO	35	25	30	83	102.5	2	61	47	39.8	55	80	196	1.5
GF40DO	40	28	35	100	119	3	69	53	45	62	100	300	2.4
GF45DO	45	32	40	110	132	3	77	60	50.8	68	127	380	3.4
GF50DO	50	35	40	123	149.5	3	88	66	55.9	75	156	440	4.4
GF60DO	60	44	50	140	170	4	100	80	66.8	90	245	570	7.1
GF70DO	70	49	55	164	197	4	115	92	77.9	105	315	695	10.5
GF80DO	80	55	60	180	231	4	141	105	89.4	120	400	780	15
GF90DO	90	60	65	226	263	4	150	115	98.1	130	490	1340	23.5
GF100DO	100	70	70	250	295	4	170	130	109.5	150	610	1500	31.5
GF110DO	110	70	80	295	332.5	4	185	140	121.2	160	655	2160	48.5
GF120DO	120	85	90	360	390	4	210	160	135.5	180	950	3250	79

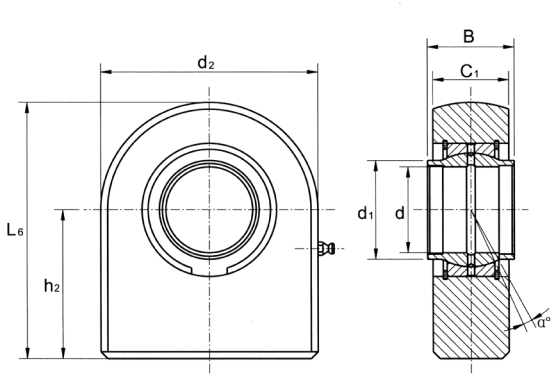
Sealed design also available,e.g.GF 20 DO 2RS.

GF..LO

Rod end housing with weldable base.

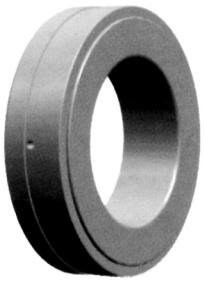
It is made up of a radial spherical plain bearing GEEW..ES and rod end housing.

Rod end housing with a lubricating hole or grease nipple.

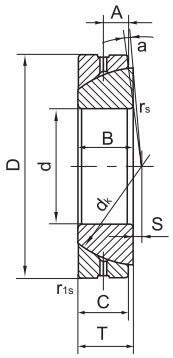


Bearing number	Dimensions mm								Load ratings kN		Weight
	d	B	C1	d2	L6	h2	d1	a° ≈	Dynamic	Static	≈Kg
GF20LO	20	20	19	50	63	38	25	4	30	74	0.36
GF25LO	25	25	23	55	72.5	45	30.5	4	48	95	0.54
GF32LO	32	32	27	70	100	65	38	4	62.5	168	1.12
GF40LO	40	40	35	100	119	69	46	4	100	268	2.5
GF50LO	50	50	40	123	149.5	88	57	4	156	362	4.6
GF63LO	63	63	50	145	179.5	107	71.5	4	248	570	9.3
GF70LO	70	70	55	164	197	115	79	4	315	800	11.25
GF80LO	80	80	60	180	231	141	91	4	400	874	15.75
GF90LO	90	90	65	226	263	150	99	4	490	1045	24
GF100LO	100	100	70	250	295	170	113	4	610	1330	33.95
GF110LO	110	110	80	295	332.5	185	124	4	655	1490	49

Sealed design also available,e.g.GF 20 LO 2RS.



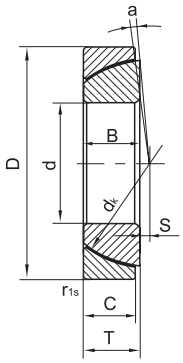
GAC…S



Sliding contact surfaces: Steel / Steel

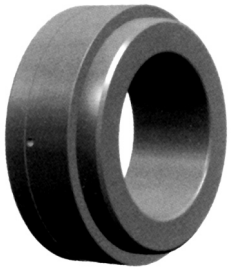
Bearing number	Dimenisions mm										Load ratings kN		Weight
	d	D	B	C	T	dk	S	A	rs,rls min	α° ≈	Dynamic	Static	≈Kg
GAC25S	25	47	15	14	15	42	0.6	7.5	1	2.5	50	250	0.148
GAC28S	28	52	15	15	16	47	1	8	1	2	60	300	0.186
GAC30S	30	55	17	15	17	49.5	1.3	8.5	1	4.5	63	315	0.208
GAC32S	32	58	17	16	17	52	2	8.5	1	2	71	354	0.241
GAC35S	35	62	18	16	18	55.5	2.1	9	1	4	78	390	0.268
GAC40S	40	68	19	17	19	62	2.8	9.5	1	5	92	463	0.327
GAC45S	45	75	20	18	20	68.5	3.5	10	1	3	108	540	0.416
GAC50S	50	80	20	19	20	74	4.3	10	1	1.5	123	618	0.455
GAC55S	55	90	23	20	23	82	5	11.5	1.1	4	144	721	0.645
GAC60S	60	95	23	21	23	88.5	5.7	11.5	1.1	2.5	163	817	0.714
GAC65S	65	100	23	22	23	93.5	6.5	11.5	1.1	1	180	905	0.759
GAC70S	70	110	25	23	25	102	7.2	12.5	1.1	2	206	1030	1.04
GAC75S	75	115	25	24	25	107	7.9	12.5	1.1	1	220	1129	1.12
GAC80S	80	125	29	25.5	29	115	8.6	14.5	1.1	3.5	258	1290	1.54
GAC85S	85	130	29	26.5	29	122	9.4	14.5	1.1	2	284	1422	1.61
GAC90S	90	140	32	28	32	128.5	10.1	16	1.5	3.5	316	1580	2.09
GAC95S	95	145	32	29.5	32	135	10.8	16	1.5	2	350	1750	2.22
GAC100S	100	150	32	31	32	141	11.6	16	1.5	0.5	384	1923	2.34
GAC105S	105	160	35	32.5	35	148	12.3	17.5	2	2	423	2116	2.93
GAC110S	110	170	38	34	38	155	13	19	2	3	463	2318	3.68
GAC120S	120	180	38	37	38	168	14.5	19	2	0.5	547	2735	3.97
GAC130S	130	200	45	43	45	188	18	19	2.5	1	710	3550	5.92
GAC140S	140	210	45	43	45	198	19	19	2.5	1	740	3740	6.33
GAC150S	150	225	48	46	48	211	20	20.5	3	1	850	4270	8.01
GAC160S	160	240	51	49	51	225	20	22	3	1	970	4850	9.42
GAC170S	170	260	57	55	57	246	21	27	3	1	1190	5950	12.3
GAC180S	180	280	64	61	64	260	21	28	3	1	1395	6970	17.4

GAC…T

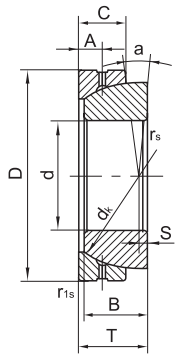


Sliding contact surfaces: Steel / PTFE fabric

Bearing number	Dimensions mm									Load ratings kN		Weight
	d	D	B	C	T	dk	S	rs,rls min	α° ≈	Dynamic	Static	≈Kg
GAC25T	25	47	15	14	15	42	0.6	1	2.5	89	178	0.148
GAC28T	28	52	15	15	16	47	1	1	2	100	200	0.186
GAC30T	30	55	17	15	17	49.5	1.3	1	4.5	110	220	0.208
GAC32T	32	58	17	16	17	52	2	1	2	125	250	0.241
GAC35T	35	62	18	16	18	55.5	2.1	1	4	135	270	0.268
GAC40T	40	68	19	17	19	62	2.8	1	5	160	320	0.327
GAC45T	45	75	20	18	20	68.5	3.5	1	3	190	380	0.416
GAC50T	50	80	20	19	20	74	4.3	1	1.5	215	430	0.455
GAC55T	55	90	23	20	23	82	5	1.1	4	250	500	0.645
GAC60T	60	95	23	21	23	88.5	5.7	1.1	2.5	285	570	0.714
GAC65T	65	100	23	22	23	93.5	6.5	1.1	1	315	630	0.759
GAC70T	70	110	25	23	25	102	7.2	1.1	2	360	720	1.04
GAC75T	75	115	25	24	25	107	7.9	1.1	1	395	790	1.12
GAC80T	80	125	29	25.5	29	115	8.6	1.1	3.5	450	900	1.54
GAC85T	85	130	29	26.5	29	122	9.4	1.1	2	495	990	1.61
GAC90T	90	140	32	28	32	128.5	10.1	1.5	3.5	550	1100	2.09
GAC95T	95	145	32	29.5	32	135	10.8	1.5	2	610	1220	2.22
GAC100T	100	150	32	31	32	141	11.6	1.5	0.5	670	1340	2.34
GAC105T	105	160	35	32.5	35	148	12.3	2	2	740	1480	2.93
GAC110T	110	170	38	34	38	155	13	2	3	810	1620	3.68
GAC120T	120	180	38	37	38	168	14.5	2	0.5	955	1910	3.97
GAC130T	130	200	45	43	45	188	18	2.5	1	1240	2480	5.92
GAC140T	140	210	45	43	45	198	19	2.5	1	1310	2620	6.33
GAC150T	150	225	48	46	48	211	20	3	1	1490	2980	8.01
GAC160T	160	240	51	49	51	225	20	3	1	1690	3380	9.42
GAC170T	170	260	57	55	57	246	21	3	1	2080	4160	12.3
GAC180T	180	280	64	61	64	260	21	3	1	2440	4880	17.4
GAC190T	190	290	64	62	64	275	26	3	0.5	2620	5240	18.2
GAC200T	200	310	70	66	70	290	26	3	1.5	2940	5880	22.5

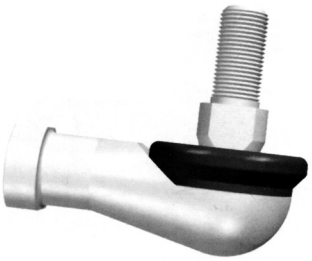


GACZ…S

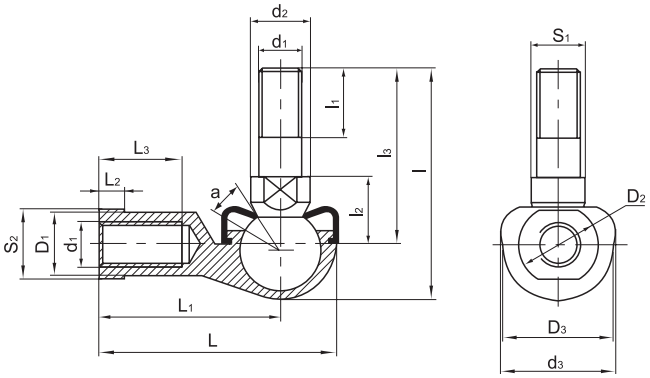


Sliding contact surfaces: Steel / Steel

Bearing number	Dimenisions mm										Load ratings kN		Weight
	d	D	B	C	T	dk	S	A	rs,rls min	α° ≈	Dynamic	Static	≈Kg
GACZ12S	12.7	22.225	6.86	4.83	7.62	18.26	1.3	2.39	0.51	7	6	18	0.013
GACZ15S	15.875	26.988	8.64	6.35	9.4	22.83	1.48	2.77	0.76	6	10	31	0.025
GACZ19S	19.05	31.75	10.41	7.87	11.18	27.43	1.79	3.18	1	6	16	47	0.038
GACZ22S	22.225	36.512	12.19	9.65	13.21	31.95	2.02	4.37	2	5.5	22	66	0.049
GACZ25S	25.4	41.275	13.97	11.18	15.24	36.5	2.54	5.16	2	6	29	87	0.085
GACZ31S	31.75	50.8	17.78	13.97	18.8	45.59	3.36	5.94	2	6	47	142	0.159
GACZ34S	34.925	55.562	19.56	15.24	21.34	49.2	3.69	7.14	2.54	4	53	159	0.213
GACZ38S	38.1	61.912	21.34	16.76	23.11	54.74	3.93	7.92	2.54	5.5	66	197	0.301
GACZ44S	44.45	71.438	24.89	20.07	27.18	63.88	4.72	8.33	2.54	6	91	273	0.458
GACZ50S	50.8	80.962	28.7	23.37	31.24	73.02	5.51	9.52	3.56	5.5	122	365	0.671
GACZ57S	57.15	90.488	32.26	26.67	35.31	82.17	6.18	11.51	3.56	5.5	155	466	0.948
GACZ63S	63.5	100.013	36.07	29.97	39.12	91.19	6.79	12.7	3.56	5	196	589	1.13
GACZ69S	69.85	111.125	39.62	32.38	43.18	100.33	7.46	13.08	4.6	5	231	694	1.75
GACZ76S	76.2	120.65	43.43	35.69	47.24	109.52	8.17	14.68	4.6	5	279	838	2.28
GACZ82S	82.55	130.175	47.24	39.24	51.56	118.74	9.04	16.66	4.6	5	332	995	2.89
GACZ88S	88.9	139.7	50.8	42.54	55.37	128.02	9.51	17.86	4.6	5	389	1167	3.57
GACZ95S	95.25	149.225	54.61	45.85	59.44	136.91	10.1	19.43	4.6	4.5	449	1348	4.35
GACZ101S	101.6	158.75	58.42	49.15	63.5	146.05	10.4	19.84	4.6	4.5	515	1545	5.26
GACZ114S	114.3	177.8	65.79	55.75	71.12	164.46	12.4	22.22	4.6	4.5	663	1990	7.76
GACZ127S	127	196.85	73.15	62.36	79.5	182.63	13.9	25.4	4.6	4.5	818	2455	11.07
GACZ152S	152.4	222.25	78.74	66.42	85.72	207.16	16.1	34.8	4.6	4.5	985	2955	17.37



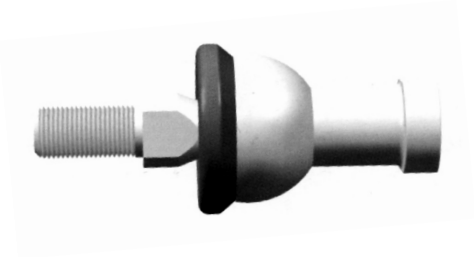
SQ..-RS



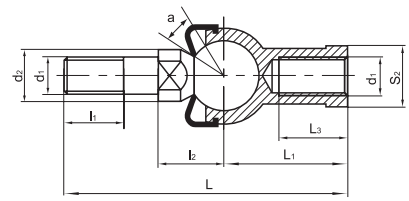
Sliding contact surfaces: Steel / Zinc base alloy

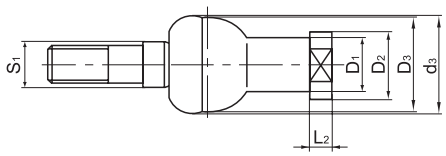
Bearing number	Dimenisions mm																	Static Load ratings kN	Weight ≈Kg
	d1	d2	d3	l	l1	l2	l3	S1	L	L1	L2	L3	D1	D2	D3	S2	a° ≈		
SQ5-RS	M5	9	19	29	8	10	21	7	35	27	4	14	9	11	16	9	25	2.2	0.026
SQ6-RS	M6	10	20	35.5	11	11	26	8	40	30	5	14	10	13	19	11	25	3.5	0.039
SQ8-RS	M8	12	24	42.5	12	14	31	10	48	36	5	17	12.5	16	23	14	25	6.6	0.068
SQ10-RS	M10x1.25	14	30	50.5	15	17	37	11	57	43	6.5	21	15	19	27	17	25	10	0.112
SQ12-RS	M12x1.25	17	32	57.5	17	19	42	15	66	50	6.5	25	17.5	22	31	19	25	16	0.164
SQ14-RS	M14x1.5	19	38	73.5	22	21.5	56	17	75	57	8	26	20	25	35	22	25	19	0.254
SQ16-RS	M16x1.5	22	44	79.5	23	23.5	60	19	84	64	8	32	22	27	39	22	20	26	0.336
SQ18-RS	M18x1.5	23	45	90	25	26.5	68	20	93	71	10	34	25	31	44	27	20	33	0.464
SQ20-RS	M20x1.5	27	50	90	25	27	68	24	99	77	10	35	27.5	34	44	30	20	45	0.538
SQ22-RS	M22x1.5	27	52	95	26	28	70	24	109	84	12	41	30	37	50	32	16	48	0.713

The shank of ball joint housing may be left-hand thread,for left-hand thread,suffix"L" is added to bearing number and thread sign,e.g.SQL5-RS M5L-6H.



SQZ..-RS

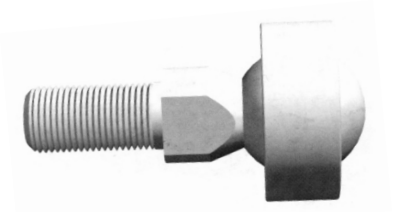




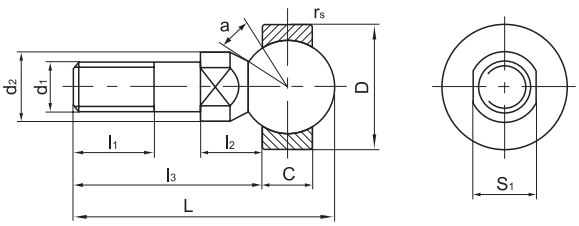
Sliding contact surfaces: Steel / Zinc base alloy

Bearing number	Dimenisions mm														Static Load ratings kN	Weight ≈Kg
	d1	d2	d3	l1	l2	S1	L	L1	L2	L3	D1	D2	D3	S2	a° ≈		
SQZ5-RS	M5	9	19	8	11	7	46	24	4	12	9	11	17	9	15	2.8	0.025
SQZ6-RS	M6	10	20	11	12.2	8	55.2	28	5	15	10	13	20	11	15	3.7	0.041
SQZ8-RS	M8	12	24	12	16	10	65	32	5	16	12.5	16	24	14	15	5.8	0.075
SQZ10-RS	M10x1.25	14	30	15	19.5	11	74.5	35	6.5	18	15	19	28	17	15	8.4	0.12
SQZ12-RS	M12x1.25	17	32	17	21	15	84	40	6.5	20	17.5	22	32	19	15	11	0.18
SQZ14-RS	M14x1.5	19	38	22	23.5	17	103	45	8	25	20	25	36	22	11	15	0.27
SQZ16-RS	M16x1.5	22	44	23	25.5	19	112	50	8	27	22	27	40	22	11	15	0.36
SQZ18-RS	M18x1.5	23	45	25	31	20	130.5	58	10	32	25	31	45	27	11	19	0.54
SQZ20-RS	M20x1.5	27	50	25	29	24	133	63	10	38	27.5	34	45	30	7.5	19	0.57
SQZ22-RS	M22x1.5	27	52	26	33	24	145	70	12	43	30	37	50	32	7.5	23	0.76

The shank of ball joint housing may be left-hand thread,for left-hand thread,suffix"L" is added to bearing number and thread sign,e.g.SQZL5-RS M5L-6H.



SQD..



Sliding contact surfaces: Steel / Zinc base alloy

Bearing number	Dimenisions mm											Static Load ratings kN	Weight ≈Kg
	d1	d2	l1	l2	l3	L	S1	C	D	rs min	a° ≈		
SQD5	M5	9	8	8	19	27.5	7	6	16	0.3	25	2	0.014
SQD6	M6	10	11	8.8	23.8	33.5	8	6.75	18	0.3	25	3.2	0.021
SQD8	M8	12	12	11.6	28.6	41	10	9	22	0.3	25	5.7	0.042
SQD10	M10x1.25	14	15	14.2	34.2	49	11	10.5	26	0.3	25	9.2	0.067
SQD12	M12x1.25	17	17	15.1	38.1	55.1	15	12	30	0.5	25	14	0.108
SQD14	M14x1.5	19	22	16.8	51.3	70.7	17	13.5	34	0.5	20	19	0.167
SQD16	M16x1.5	22	23	18	54.5	76.3	19	15	38	0.5	20	26	0.238

Interchange table

CHINA ACCOR	SWEDEN SKF	GERMANY FAG	GERMANY ELGES	GERMANY ASK	CHINA LS	JAPAN IKO	JAPAN NTN	JAPAN NMB
GE..E	GE..E	GE..E	GE..DO	GE..	GE..E	GE..E	SA1-..B	SBH..NS
GE..ES	GE..ES	GE..ES	GE..DO	GE..	GE..ES	GE..ES	SA1-..B	SBH..S
GE..ES 2RS	GE..ES 2RS	GE..ES 2RS	GE..DO 2RS	GE..2RS	GE..ES 2RS	GE..ES 2RS	SA1-..BSS	
GEG..E	GEH..E	GEH..E	GE..FO		GEG..E	GE..G		
GEG..ES	GEH..ES	GEH..ES	GE..FO		GEG..ES	GE..GS		
GEG..ES 2RS	GEH..ES 2RS	GEH..ES 2RS	GE..FO 2RS		GEG..ES 2RS	GE..GS 2RS		
GEEW..ES	GEG..ES		GE..LO		GEEW..ES			
GEEM..ES 2RS	GEM..ES 2RS		GE..HO 2RS		GEEM..ES 2RS			
GE..C	GE..C	GE..C	GE..UK	GE..-D	GE..C	GE..EC	SAR1-	
GE..ET 2RS	GE..TE 2RS	GE..UA 2RS	GE..UK 2RS	GE..D 2RS	GE..ET 2RS			
GEG..C	GEH..C	GEH..C	GE..FW		GEG..C			
GEG..ET 2RS	GEH..TE 2RS		GE..FW 2RS		GEG..ET 2RS			
GEBK..S					GEBK..S	PB..		
GEBJ..S			GE..PB		GEBJ..S			
G..PW			GE..PW	G..D				
S..PW				S..D				

CHINA ACCOR	SWEDEN SKF	GERMANY FAG	GERMANY ELGES	GERMANY ASK	CHINA LS	JAPAN IKO	JAPAN THK	ITALY LSK	JAPAN MTR
GIR..UK	SI..C	SI..C	GIR..UK	EJ..D	SI..C			GIR..UK	
GIR..UK 2RS	SIA..TE 2RS	SI..TE 2RS	GIR..UK 2RS	EJ..D 2RS	SI..ET 2RS			GIR..UK 2RS	
GAR..UK	SA..C	SA..C	GAR..UK	EA..D	SA..C			GAR..UK	
GAR..UK 2RS	SAA..TE 2RS	SA..TE 2RS	GAR..UK 2RS	EA..D 2RS	SA..ET 2RS			GAR..UK	
SQ..RS					SQ..RS	LHSA..	RBL..		
SQD..					SQD..		ABS..		
SQZ..RS					SQZ..RS		RBI..		
GIHR..DO	SIRD..ES		GIHR..DO						
GIHR-K..DO	SIR..ES		GIHR-K..DO		SIR..ES				
GIHN-K..LO	SIQG..ES		GIHN-K..LO		SIGEW..ES				
GK..DO	SC..ES		GK.DO		SK..ES				
GF..DO	SCF..ES		GF..DO		SF..ES				
GIHO-K..DO			GIHO-K..DO						
SI..E	SI..E	SI..E	GIR..DO	EJ..	SI..E			GIR..E	
SI..ES	SIA..ES	SI..ES	GIR..DO	EJ..	SI..ES			GIR..ES	
SI..ES 2RS	SIA..ES 2RS	SI..ES 2RS	GIR..DO 2RS	EJ..2RS	SI..ES 2RS			GIR..ES 2RS	
SA..E	SA..E	SA..E	GAR..DO	EA..	SA..			GAR..E	
SA..ES	SAA.ES	SA..ES	GAR..DO	EA..	SA..ES			GAR..ES	
SA..ES 2RS	SAA..ES 2RS	SA..ES 2RS	GAR..DO 2RS	EA..2RS	SA..ES 2RS			GAR..ES 2RS	
SI.T/K	SIKB..F		GIKFR..FW	KI..-D	SIJK..C	PHS..EC		TSF..C	DF..
SA..T/K	SAKB..F		GAKFR..FW	KA..-D	SAJK..C	POS..EC		TSM..C	DM..
SI..PK				KI..-BD			NHS..T		
SA..PK				KA..-BD			NOS..T		
PHS..	SIKAC..M		GIKF..PB	KI..-NIRO	SIBP..S	PHS..	PHS..	TSF..	BNF..
POS..	SAKAC..M		GAKF..PB	SA..-NIRO	SABP..S	POS..	POS..	TSM..	BNM..

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