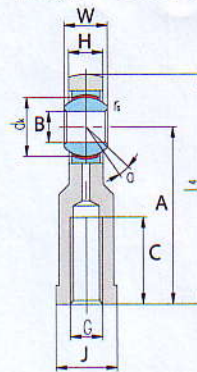
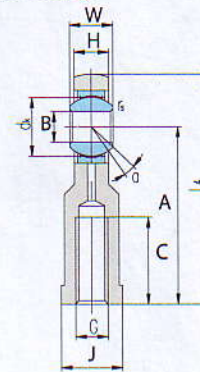




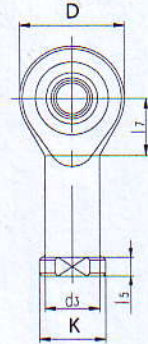
SI_C & SI_ET-2RS Series Rod Ends - Metric - Self Lubricating



I C



SI ET 2RS



Sliding contact surfaces: Steel / PTFE composite material ($B \leq 30$)

Steel PTFE fabric ($B \geq 15$)

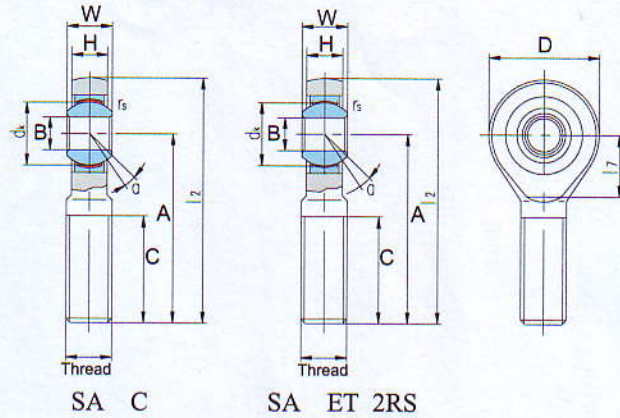
Bearing number	Dimensions mm															Load Ratings kN		Weight kg	
	B	W	d _K	C ₁ max	D	G 6H	A	C min	l ₄	l ₅	l ₇	J	d ₃	K	r _s min		Dynamic		Static
SI5C	5	6	10	4.5	21	M5	30	11	40.5	5	11.5	10	10	13	0.3	13	3.6	8.1	0.021
SI6C	6	6	10	4.5	21	M6	30	11	40.5	5	11.5	11	11	13	0.3	13	3.6	8.1	0.021
SI8C	8	8	13	6.5	24	M8	36	15	48	5	13	13	13	16	0.3	15	5.8	12.9	0.039
SI10C	10	9	16	7.5	29	M10	43	20	57.5	6.5	15	16	16	19	0.3	12	8.6	17.6	0.061
SI12C	12	10	18	8.5	34	M12	50	23	67	7	18	18	19	22	0.3	10	11	24.5	0.096
SI15C	15	12	22	10.5	40	M14	61	30	81	8	21	21	21	26	0.3	8	18	36	0.16
SI15ET 2RS																			
SI17C	17	14	25	11.5	46	M16	67	34	90	10	24	27	25	29	0.3	10	22	45	0.23
SI17ET 2RS																			
SI20C	20	16	29	13.5	53	M20×1.5	77	40	103.5	10	25.5	30	28	34	0.3	9	31	60	0.32
SI20ET 2RS																			
SI25C	25	20	35.5	18	64	M24×2	94	48	126	12	33	36	35	42	0.6	7	51	83	0.62
SI25ET 2RS																			
SI30C	30	22	40.7	20	73	M30×2	110	56	146.5	15	37.5	46	42	50	0.6	6	65	110	0.97
SI30ET 2RS																			
SI35ET 2RS	35	25	47	22	82	M36×3	125	60	166	15	40	55	48	58	0.6	6	112	146	1.5
SI40ET 2RS	40	28	53	24	92	M39×3	142	65	188	18	47	60	52	65	0.6	7	140	180	2.1
SI45ET 2RS	45	32	60	28	102	M42×3	145	65	196	20	52	65	58	70	0.6	7	180	240	2.7
SI50ET 2RS	50	35	66	31	112	M45×3	160	68	216	20	57	70	62	75	0.6	6	220	290	3.5
SI60ET 2RS	60	44	80	39	135	M52×3	175	70	242.5	20	68.5	80	70	88	1	6	345	450	5.6
SI70ET 2RS	70	49	92	43	160	M56×4	200	80	280	20	81	85	80	98	1	6	440	610	8.3
SI80ET 2RS	80	55	105	48	180	M64×4	230	85	320	25	91	95	95	110	1	6	567	750	13

For left hand thread, add suffix L to part number and thread designation i.e. SI120C M20X1.5

Rod ends can be supplied with alternate thread pitch. Consult factory for availability



SA_C & SA_ET-2RS Series Rod Ends - Metric - Self Lubricating



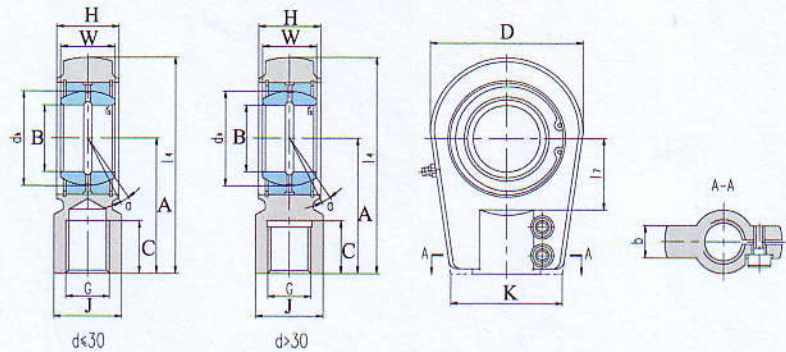
Sliding contact surfaces: Steel / PTFE composite material($B \leq 30$)
Steel / PTFE fabric($B > 15$)

Bearing number	Dimensions mm												Load ratings kN		Weight kg
	B	W	d _k	H _{max}	D	Thread 6g	A	C _{min}	l ₂	l ₇	r _{s min}	°	Dynamic	Static	
SA5C	5	6	10	4.5	21	M5	36	16	46.5	11.5	0.3	13	3.6	3.9	0.017
SA6C	6	6	10	4.5	21	M6	36	16	46.5	11.5	0.3	13	3.6	5.5	0.017
SA8C	8	8	13	6.5	24	M8	42	21	54	13	0.3	15	5.8	10	0.029
SA10C	10	9	16	7.5	29	M10	48	26	62.5	15.5	0.3	12	8.6	16	0.044
SA12C	12	10	18	8.5	34	M12	54	28	71	18	0.3	10	11	23	0.066
SA15C	15	12	22	10.5	40	M14	63	34	83	21	0.3	8	18	32	0.12
SA15ET 2RS															
SA17C	17	14	25	11.5	46	M16	69	36	92	24	0.3	10	22	44	0.17
SA17ET 2RS															
SA20C	20	16	29	13.5	53	M20×1.5	78	43	104.5	25.5	0.3	9	31	60	0.28
SA20ET 2RS															
SA25C	25	20	35.5	18	64	M24×2	94	53	126	31	0.6	7	51	83	0.51
SA25ET 2RS															
SA30C	30	22	40.7	20	73	M30×2	110	65	146.5	35.5	0.6	6	65	110	0.84
SA30ET 2RS															
SA35ET 2RS	35	25	47	22	82	M36×3	140	82	181	41	0.6	6	112	146	1.4
SA40ET 2RS	40	28	53	24	92	M39×3	150	86	196	47	0.6	7	140	180	1.8
SA45ET 2RS	45	32	60	28	102	M42×3	163	92	214	52	0.6	7	180	240	2.5
SA50ET 2RS	50	35	66	31	112	M45×3	185	104	241	60	0.6	6	220	290	3.6
SA60ET 2RS	60	44	80	39	135	M52×3	210	115	277.5	75.5	1.0	6	345	450	5.7
SA70ET 2RS	70	49	92	43	160	M56×4	235	125	315	95	1.0	6	440	610	7.9
SA80ET 2RS	80	55	105	48	180	M64×4	270	140	360	105.5	1.0	6	567	750	12

For left hand thread, add suffix L to part number and thread designation i.e. SAL20C M20X1.5
Rod ends can be supplied with alternate thread pitch. Consult factory for availability



Hydraulic Cylinder Rod Ends



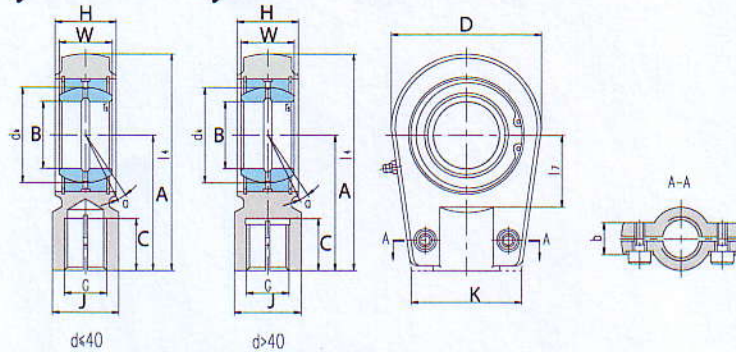
Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm															Load ratings kN		Screw	Weight kg	
	B	W	d _K	H	D	G 6H	h _l	C	l ₄	l ₇	J	K	b	r _s		Dynamic	Static			
SIA25ES	25	20	35.5	23	56	M18×2	65	30	95	29	28	48	21	0.6	7		48	72	M8×20	0.62
SIA30ES	30	22	40.7	28	64	M24×2	75	35	109	34	34	56	26	0.6	6		62	106	M8×25	0.88
SIA35ES	35	25	47	30	78	M30×2	90	46	132	40	45	65	28	0.6	6		79	153	M10×30	1.52
SIA40ES	40	28	53	35	94	M39×3	105	56	155	44	56.5	77	33	0.6	7		99	250	M12×35	2.43
SIA50ES	50	35	66	40	116	M50×3	135	76	198	55	70	88	36	0.6	6		156	365	M12×35	4.75
SIA60ES	60	44	80	50	130	M64×3	170	96	240	65	87	118	46	1	6		245	400	M16×45	8.55
SIA70ES	70	49	92	55	154	M80×3	195	112	277	75	110	128	51	1	6		313	540	M16×50	12.24
SIA80ES	80	55	105	60	176	M90×3	210	122	305	80	128	156	55	1	6		400	670	M20×55	18.35
SIA90ES	90	60	115	65	210	M100×3	250	142	365	90	152	167	60	1	5		488	980	M20×60	31.56
SIA100ES	100	70	130	70	230	M110×4	275	150	400	105	170	171	65	1	7		607	1120	M20×60	34
SIA110ES	110	70	140	80	264	M120×4	300	160	442	115	180	187	75	1	6		654	1700	M24×75	44
SIA120ES	120	85	160	90	340	M150×4	360	192	540	140	210	240	85	1	6		950	2900	M24×85	75
SIA140ES	140	90	180	110	380	M160×4	420	210	620	185	230	244	105	1	7		1070	3350	M30×100	160
SIA160ES	160	105	200	110	480	M180×4	460	220	710	200	260	268	105	1	8		1360	4302	M30×100	185

1. Rod ends can be supplied with maintenance free spherical bearings (PTFE lined). Consult factory for part number and availability.
2. For left hand thread, add "L" after SI in part number. Ex: SILA90ES



Hydraulic Cylinder Rod Ends



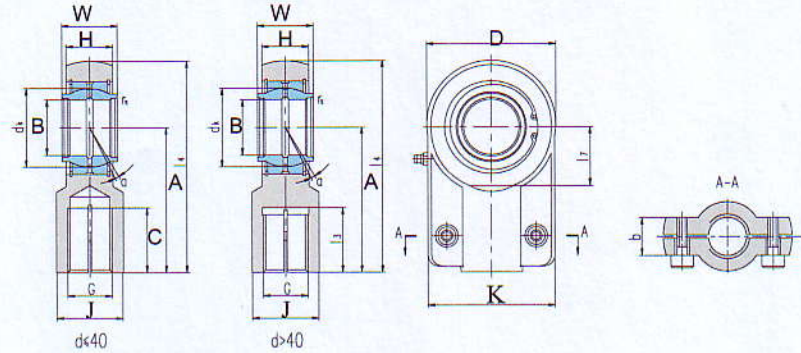
Sliding contact surfaces Steel Steel

Bearing number	Dimensions mm															Load ratings kN		Screw	Weight kg
	B	W	d _K	H	D	G 6H	h ₁	C	l ₄	l ₇	J	K	b	r _s		Dynamic	Static		
SIR20ES	20	16	29	19	56	M16×1.5	50	17	80	25	25	46	20	0.3	9	30	81	M8×20	0.44
SIR25ES	25	20	35.5	23	56	M16×1.5	50	17	80	25	25	46	21	0.6	7	48	72	M8×20	0.47
SIR30ES	30	22	40.7	28	64	M22×1.5	60	23	94	30	32	50	26	0.6	6	62	106	M8×25	0.77
SIR35ES	35	25	47	30	78	M28×1.5	70	29	112	38	40	66	28	0.6	6	79	153	M10×30	1.24
SIR40ES	40	28	53	35	94	M35×1.5	85	36	135	45	49	76	33	0.6	7	99	250	M10×35	2.12
SIR50ES	50	35	66	40	116	M45×1.5	105	45	168	55	61	90	37	0.6	6	156	365	M12×40	3.74
SIR60ES	60	44	80	50	130	M58×1.5	130	59	200	65	75	120	46	1	6	245	400	M16×45	6.49
SIR70ES	70	49	92	55	154	M65×1.5	150	66	232	75	86	130	51	1	6	313	540	M16×50	9.88
SIR80ES	80	55	105	60	176	M80×2	170	81	265	80	105	160	55	1	6	400	670	M20×55	14.2
SIR90ES	90	60	115	65	206	M100×2	210	101	323	90	124	180	60	1	5	488	980	M20×60	23.5
SIR100ES	100	70	130	70	231	M110×2	235	111	360	105	138	200	65	1	7	607	1120	M24×65	32.14
SIR110ES	110	70	140	80	266	M120×3	265	125	407	115	152	220	74	1	6	654	1700	M24×80	47.6
SIR120ES	120	85	160	90	340	M130×3	310	135	490	140	172	257	84	1	6	950	2900	M24×80	72.0

1. Rod ends can be supplied with maintenance free spherical bearings (PTFE lined). Consult factory for part number and availability.
2. For left hand thread, add "L" after SI in part number. Ex: SILR90ES



Hydraulic Cylinder Rod Ends



Sliding contact surfaces Steel / Steel

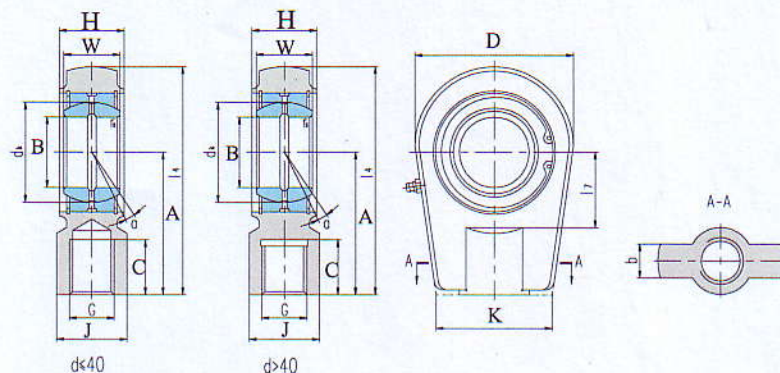
Bearing number	Dimensions mm															Load Ratings kN		Screw	Weight kg
	B	W	d _k	H	d ₂	G 6H	h ₁	C l ₃	l ₄	l ₇	J	K	b	r _s		Dynamic	Static		
SIGEW12ES ¹⁾	12	12	18	11	32	M12×1.25	38	17	54	14	16	32	15	0.3	4	10	24.5	M5×16	0.11
SIGEW16ES	16	16	23	14	40	M14×1.5	44	19	64	18	21	40	15	0.3	4	17	36.5	M6×16	0.20
SIGEW20ES	20	20	29	17	47	M16×1.5	52	23	77	22	25	47	19	0.3	4	30	48	M8×20	0.35
SIGEW25ES	25	25	35.5	22	58	M20×1.5	65	29	96	27	30	54	19	0.6	4	48	78	M8×20	0.62
SIGEW32ES	32	32	43	28	71	M27×2	80	42	118.5	32	38	66	22	0.6	4	65	114	M10×25	1.15
SIGEW40ES	40	40	53	33	90	M33×2	97	52.5	146	41	47	80	26	0.6	4	99	204	M10×25	2.18
SIGEW50ES	50	50	66	40	109	M42×2	120	63.5	179.5	50	58	96	32	0.6	4	156	310	M12×35	3.96
SIGEW63ES	63	63	83	53	136	M48×2	140	72	211	62	70	114	38	1	4	253	430	M16×40	7.23
SIGEW70ES	70	70	92	57	155	M56×2	160	84	245	70	80	135	42	1	4	313	540	M16×40	11.1
SIGEW80ES	80	80	105	67	170	M64×3	180	92.5	270	78	90	148	48	1	4	400	695	M20×50	15.01
SIGEW90ES	90	90	115	72	185	M72×3	195	103	296	85	100	160	52	1	4	488	750	M20×55	19.1
SIGEW100ES	100	100	130	85	211	M80×3	210	108	322.5	98	110	178	62	1	4	607	1060	M24×60	25.5
SIGEW110ES	110	110	140	88	235	M90×3	235	118	364	105	125	190	62	1	4	654	1200	M24×60	36.6
SIGEW125ES	125	125	160	103	265	M100×3	260	125	405	120	135	200	72	1	4	950	1430	M24×70	52.6
SIGEW160ES	160	160	200	130	326	M125×4	310	138	488	150	165	250	82	1	4	1360	2200	M24×80	79
SIGEW200ES	200	200	250	162	418	M160×4	390	173	620	195	215	320	102	1	4	2120	3650	M30×100	164

¹⁾ Can only be relubricated through the rod end housing.

1. Rod ends can be supplied with maintenance free spherical bearings (PTFE lined). Consult factory for part number and availability
2. For left hand thread, add "L" after SI in part number.Ex: SILGEW40ES
3. Rod end housings of medium carbon steel (B≤50) or spheroidal graphite cast iron (b>50).



Hydraulic Cylinder Rod Ends

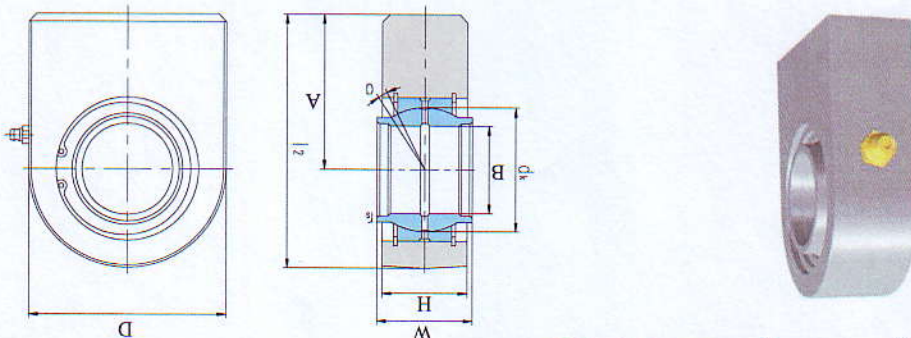


Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm															Load ratings kN		Weight kg
	B	W	d _K	H	D	G 6H	h ₁	C	l ₄	l ₇	J	K	b	r _s		Dynamic	Static	
SIRN20ES	20	16	29	19	56	M16×1.5	50	17	80	25	25	46	20	0.3	9	30	81	0.44
SIRN25ES	25	20	35.5	23	56	M16×1.5	50	17	80	25	25	46	21	0.6	7	48	72	0.47
SIRN30ES	30	22	40.7	28	64	M22×1.5	60	23	94	30	32	50	26	0.6	6	62	106	0.77
SIRN35ES	35	25	47	30	78	M28×1.5	70	29	112	38	40	66	28	0.6	6	79	153	1.24
SIRN40ES	40	28	53	35	94	M35×1.5	85	36	135	45	49	76	33	0.6	7	99	250	2.12
SIRN50ES	50	35	66	40	116	M45×1.5	105	45	168	55	61	90	37	0.6	6	156	365	3.74
SIRN60ES	60	44	80	50	130	M58×1.5	130	59	200	65	75	120	46	1	6	245	400	6.49
SIRN70ES	70	49	92	55	154	M65×1.5	150	66	232	75	86	130	51	1	6	313	540	9.88
SIRN80ES	80	55	105	60	176	M80×2	170	81	265	80	105	160	55	1	6	400	670	14.2
SIRN90ES	90	60	115	65	206	M100×2	210	101	323	90	124	180	60	1	5	488	980	23.5
SIRN100ES	100	70	130	70	231	M110×2	235	111	360	105	138	200	65	1	7	607	1120	32.14
SIRN110ES	110	70	140	80	266	M120×3	265	125	407	115	152	220	74	1	6	654	1700	47.6
SIRN120ES	120	85	160	90	340	M130×3	310	135	490	140	172	257	84	1	6	950	2900	72.0

1. Rod ends can be supplied with maintenance free spherical bearings (PTFE lined). Consult factory for part number and availability.
2. For left hand thread, add "L" after SI in part number. Ex: SILRN90ES

Hydraulic Cylinder Rod Ends

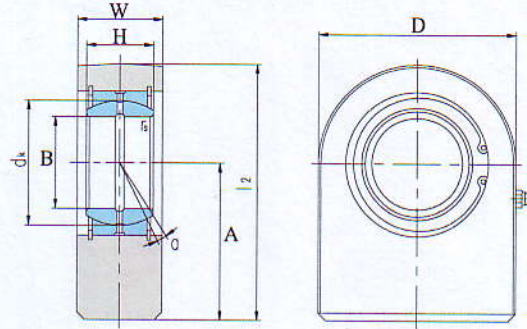


Sliding contact surfaces: Steel / Steel

Bearing number	B	W	d _k	H	D	A	l ₂	r _s	mm	Load ratings		Weight kg
										Dynamic	Static	
										Dimensions		
SFEW20ES	20	20	29	19	50	38	63	0.3	4	30	67	0.37
SFEW25ES	25	25	35.5	23	55	45	72.5	0.6	4	48	69	0.54
SFEW32ES	32	32	43	27	70	65	100	0.6	4	65	168	1.16
SFEW40ES	40	40	53	35	100	69	119	0.6	4	99	305	2.57
SFEW50ES	50	50	66	40	123	88	149.5	0.6	4	156	441	4.50
SFEW63ES	63	63	83	50	145	107	179.5	1	4	253	591	7.14
SFEW70ES	70	70	92	55	164	115	197	1	4	313	724	10.86
SFEW80ES	80	80	105	60	180	141	231	1	4	400	804	15.33
SFEW90ES	90	90	115	65	226	150	263	1	4	488	1340	24.00
SFEW100ES	100	100	130	70	250	170	295	1	4	607	1516	33.44
SFEW110ES	110	110	140	80	295	185	332.5	1	4	654	2340	49.46



Hydraulic Cylinder Rod Ends

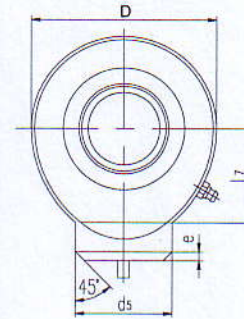
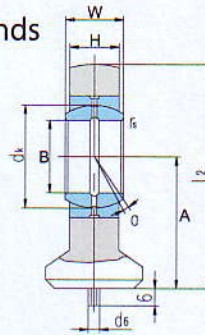


Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm									Load ratings kN		Weight kg
	B	W	d _k	H	D	A	l ₂	r _s		Dynamic	Static	
SF15ES	15	12	22	16	45	31	53.5	0.3	8	16	53	0.22
SF16ES	16	14	25	17.5	48	35	59	0.3	10	21	59	0.29
SF17ES	17	14	25	17.5	48	35	59	0.3	10	21	59	0.28
SF20ES	20	16	29	19	50	38	63	0.3	9	30	67	0.36
SF25ES	25	20	35.5	23	55	45	72.5	0.6	7	48	69	0.53
SF30ES	30	22	40.7	28	65	51	83.5	0.6	6	62	118	0.85
SF35ES	35	25	47	30	83	61	102.5	0.6	6	79	196	1.50
SF40ES	40	28	53	35	100	69	119	0.6	7	99	305	2.42
SF45ES	45	32	60	40	110	77	132	0.6	7	127	386	3.39
SF50ES	50	35	66	40	123	88	149.5	0.6	6	156	441	4.24
SF60ES	60	44	80	50	140	100	170	1	6	245	570	7.10
SF70ES	70	49	92	55	164	115	197	1	6	313	724	10.7
SF80ES	80	55	105	60	180	141	231	1	6	400	804	15.1
SF90ES	90	60	115	65	226	150	263	1	5	488	1340	23.4
SF100ES	100	70	130	70	250	170	295	1	7	607	1516	33.1
SF110ES	110	70	140	80	295	185	332.5	1	6	654	2340	48.5
SF120ES	120	85	160	90	360	210	390	1	6	950	3210	79.5



Hydraulic Cylinder Rod Ends



Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm													Load ratings kN		Weight kg
	B	W	d _k	H	D	A	l ₂	l ₇	d ₅	d ₆	e	r _s	°	Dynamic	Static	
SK10E ¹⁾	10	9	16	7	29	24	38.5	15	15	3	2	0.3	12	8.1	15	0.041
SK12E ¹⁾	12	10	18	8	34	27	44	17.5	17.5	3	2	0.3	10	10	21	0.066
SK15ES ²⁾	15	12	22	10	40	31	51	20	21	4	2.5	0.3	8	16	32	0.12
SK16ES ²⁾	16	14	25	11	46	35	58	23	24	4	3	0.3	10	21	40	0.19
SK17ES ²⁾	17	14	25	11	46	35	58	23	24	4	3	0.3	10	21	40	0.18
SK20ES	20	16	29	13	53	38	64.5	27.5	27.5	4	3	0.3	9	30	54	0.26
SK25ES	25	20	35.5	17	64	45	77	33	33.5	4	4	0.6	7	48	72	0.45
SK30ES	30	22	40.7	19	73	51	87.5	37.5	40	4	4	0.6	6	62	95	0.67
SK35ES	35	25	47	21	82	61	102	43	47	4	4	0.6	6	79	125	1.02
SK40ES	40	28	53	23	92	69	115	48	52	4	5	0.6	7	99	156	1.40
SK45ES	45	32	60	27	102	77	128	52	58	6	5	0.6	7	127	208	1.93
SK50ES	50	35	66	30	112	88	144	59	62	6	6	0.6	6	156	250	2.69
SK60ES	60	44	80	38	135	100	167.5	72.5	70	6	8	1	6	245	390	4.60
SK70ES	70	49	92	42	160	115	195	85.5	80	6	10	1	6	313	510	7.00
SK80ES	80	55	105	47	180	141	231	98	95	6	10	1	6	400	620	11.0

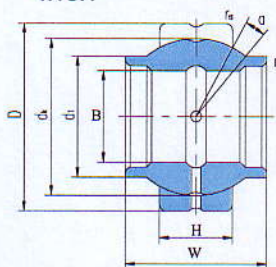
- 1) Lube fitting not available .
- 2) Can only be relubricated through the rod end housing.



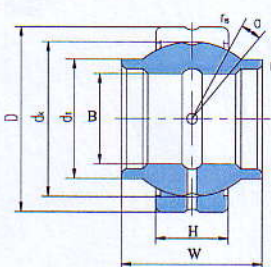
Spherical Plain Bearings Inch



Sliding contact surfaces Steel / Steel



OPEN
GEWZ ES

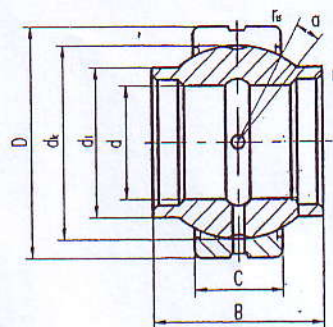
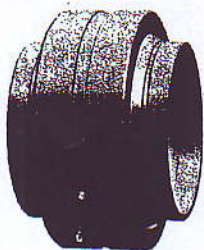


SEALED
GEWZ ES-2RS

Bearing number		Dimensions mm/inch								α	Load ratings kN		Weight kg
		B	D	W	H	d ₁ max	d _k	r _s min	r _{1s} min		Dynamic	Static	
GEWZ008ES		12.700	22.225	19.050	9.525	15.875	18	0.15	0.6	5	13	41	0.024
		0.5	0.875	0.75	0.375	0.625	0.719	0.006	0.024				
GEWZ010ES		15.875	26.988	23.800	11.913	19.812	23	0.15	0.6	5	22	65	0.038
		0.625	1.0625	0.937	0.469	0.78	0.899	0.006	0.024				
GEWZ012ES	GEWZ012ES-2RS	19.050	31.750	28.575	14.275	23.368	27.5	0.3	0.6	5	31	95	0.064
		0.75	1.25	1.125	0.562	0.92	1.08	0.012	0.024				
GEWZ014ES	GEWZ014ES-2RS	22.225	36.513	33.325	16.662	27.178	32	0.3	0.6	5	42	127	0.098
		0.875	1.4375	1.312	0.656	1.07	1.258	0.012	0.024				
GEWZ016ES	GEWZ016ES-2RS	25.400	41.275	38.100	19.050	30.988	36.5	0.3	0.6	5	56	166	0.142
		1	1.625	1.5	0.75	1.22	1.437	0.012	0.024				
GEWZ020ES	GEWZ020ES-2RS	31.750	50.800	47.625	23.800	38.735	45.5	0.6	0.6	5	86	260	0.271
		1.25	2	1.875	0.937	1.525	1.795	0.024	0.024				
GEWZ022ES	GEWZ022ES-2RS	34.925	55.563	52.375	26.187	42.418	49	0.6	1	5	102	310	0.373
		1.375	2.1875	2.062	1.031	1.67	1.937	0.024	0.04				
GEWZ024ES	GEWZ024ES-2RS	38.100	61.913	57.150	28.575	46.99	54.7	0.6	1	5	125	375	0.494
		1.5	2.4375	2.25	1.125	1.85	2.155	0.024	0.04				
GEWZ028ES	GEWZ028ES-2RS	44.450	71.438	66.675	33.325	54.991	63.9	0.6	1	5	170	510	0.762
		1.75	2.8125	2.625	1.312	2.165	2.515	0.024	0.04				
GEWZ032ES	GEWZ032ES-2RS	50.800	80.963	76.200	38.100	62.484	73	0.6	1	5	224	670	1.11
		2	3.1875	3	1.5	2.46	2.875	0.024	0.04				
GEWZ036ES	GEWZ036ES-2RS	57.150	90.488	85.725	42.850	70.104	82	0.6	1	5	280	850	1.57
		2.25	3.5625	3.375	1.687	2.76	3.235	0.024	0.04				
GEWZ040ES	GEWZ040ES-2RS	63.500	100.013	95.250	47.625	77.724	92	1	1	5	355	1060	2.15
		2.5	3.9375	3.75	1.875	3.06	3.59	0.04	0.04				
GEWZ044ES	GEWZ044ES-2RS	69.850	111.125	104.775	52.375	85.852	100	1	1	5	415	1250	2.9
		2.75	4.375	4.125	2.062	3.38	3.95	0.04	0.04				
GEWZ048ES	GEWZ048ES-2RS	76.200	120.650	114.300	57.150	93.345	109.5	1	1	5	500	1500	3.59
		3	4.75	4.5	2.25	3.675	4.312	0.04	0.04				
GEWZ052ES	GEWZ052ES-2RS	82.550	130.175	123.825	61.900	101.219	119	1	1	5	585	1760	4.69
		3.25	5.125	4.875	2.437	3.985	4.675	0.04	0.04				
GEWZ056ES	GEWZ056ES-2RS	88.900	139.700	133.350	66.675	109.22	128	1	1	5	680	2040	5.86
		3.5	5.5	5.25	2.625	4.3	5.04	0.04	0.04				



Spherical Plain Bearings Metric - Open



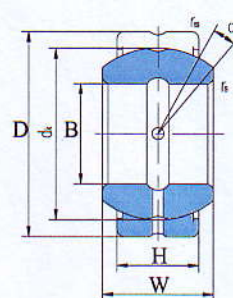
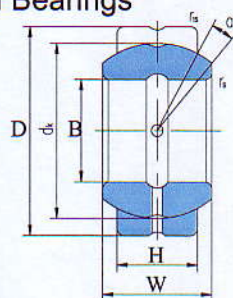
Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm									Load ratings kN		Weight ≈ kg
	d	D	B	C	d ₁ max	dk	r _s min	r _{ls} min	α°	Dynamic	Static	
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	44	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
GEEW200ES	200	290	200	100	221	250	1.1	1.1	4	2120	10600	32.1
GEEW250ES	250	400	250	120	317	350	1.1	1.1	4	3750	17800	99.1
GEEW320ES	320	520	320	160	405	450	1.1	1.1	4	6200	30500	225



Spherical Plain Bearings

Inch



Sliding contact surfaces: Steel / Steel

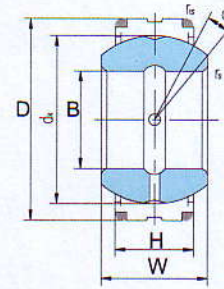
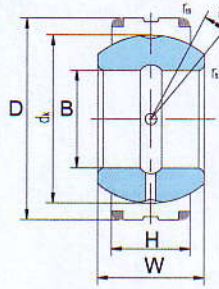
GEGZ ES

GEGZ ES 2RS

Bearing number		Dimensions							mm/inch		Load ratings kN		Weight kg
		B	D	W	H	dk	r _s min	r _{1s} min		Dynamic	Static		
GEGZ020ES	GEGZ020ES 2RS	31.750	61.913	35.306	28.575	54.7	0.6	1	15	125	375	0.454	
		1.25	2.4375	1.39	1.125	2.155	0.024	0.04					
GEGZ024ES	GEGZ024ES 2RS	38.100	71.438	40.132	33.325	63.9	0.6	1	14	170	510	0.726	
		1.5	2.8125	1.58	1.312	2.515	0.024	0.04					
GEGZ028ES	GEGZ028ES 2RS	44.450	80.963	46.228	38.100	73	0.6	1	14	224	670	1.14	
		1.75	3.1875	1.82	1.5	2.875	0.024	0.04					
GEGZ032ES	GEGZ032ES 2RS	50.800	90.488	52.578	42.850	82	0.6	1	14	280	850	1.68	
		2	3.5625	2.07	1.687	3.235	0.024	0.04					
GEGZ036ES	GEGZ036ES 2RS	57.150	100.013	58.877	47.625	92	0.6	1	14	355	1060	2.01	
		2.25	3.9375	2.318	1.875	3.59	0.024	0.04					
GEGZ040ES	GEGZ040ES 2RS	63.500	111.125	64.643	52.375	100	1	1	14	415	1250	2.95	
		2.5	4.375	2.545	2.062	3.95	0.04	0.04					
GEGZ044ES	GEGZ044ES 2RS	69.850	120.650	70.866	57.150	109.5	1	1	14	500	1500	3.63	
		2.75	4.75	2.79	2.25	4.312	0.04	0.04					
GEGZ048ES	GEGZ048ES 2RS	76.200	130.175	76.759	61.900	119	1	1	14	585	1760	4.36	
		3	5.125	3.022	2.437	4.675	0.04	0.04					
GEGZ052ES	GEGZ052ES 2RS	82.550	139.700	82.931	66.675	128	1	1	14	680	2040	5.31	
		3.25	5.5	3.265	2.625	5.04	0.04	0.04					
GEGZ056ES	GEGZ056ES 2RS	88.900	149.225	90.424	71.425	137	1	1	14	780	2360	6.81	
		3.5	5.875	3.56	2.812	5.39	0.04	0.04					
GEGZ060ES	GEGZ060ES 2RS	95.250	158.750	94.945	76.200	146	1	1	14	900	2650	8.85	
		3.75	6.25	3.738	3	5.75	0.04	0.04					
GEGZ064ES	GEGZ064ES 2RS	101.600	177.800	107.315	85.725	164.5	1	1	10	1120	3400	10.2	
		4	7	4.225	3.375	6.475	0.04	0.04					
GEGZ072ES	GEGZ072ES 2RS	114.300	196.850	119.126	95.250	183	1	1	10	1400	4150	13.6	
		4.5	7.75	4.69	3.75	7.19	0.04	0.04					
GEGZ088ES	GEGZ088ES 2RS	139.700	222.250	125.730	104.775	207	1	1	9	1730	5200	20.4	
		5.5	8.75	4.95	4.125	8.156	0.04	0.04					



Spherical Plain Bearings Metric



Sliding contact surfaces: Steel / Steel

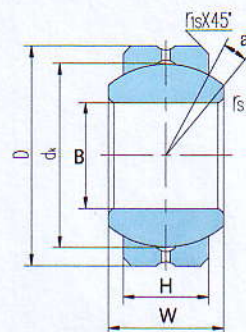
GEC XS

GEC XS 2RS

Bearing number		Dimensions mm								Load ratings kN		Weight kg
		B	D	W	H	dk	rs min	r1s min		Dynamic	Static	
GEC320XS	GEC320XS 2RS	320	440	160	135	380	1.1	3	4	4400	22000	78
GEC340XS	GEC340XS 2RS	340	460	160	135	400	1.1	3	3	4650	23200	83
GEC360XS	GEC360XS 2RS	360	480	160	135	420	1.1	3	3	4800	24000	87
GEC380XS	GEC380XS 2RS	380	520	190	160	450	1.5	4	4	6300	31500	129
GEC400XS	GEC400XS 2RS	400	540	190	160	470	1.5	4	3	6550	32500	135
GEC420XS	GEC420XS 2RS	420	560	190	160	490	1.5	4	3	6800	34500	141
GEC440XS	GEC440XS 2RS	440	600	218	185	520	1.5	4	3	8650	42300	196
GEC460XS	GEC460XS 2RS	460	620	218	185	540	1.5	4	3	9000	45000	204



Spherical Plain Bearings



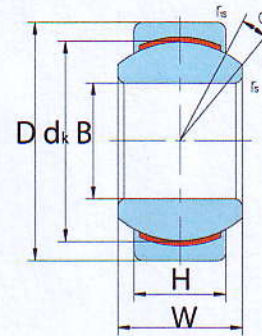
Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm/inch								Radial Static Load Capacity		Weight kg
	B	D	W	H	d _k	r _s min	r _{1s} min	Misalign. angle a°	Lbs	kN	
GEFZ4S	4.83	14.29	7.14	5.54	10.31	0.3	0.38	11	3,250	15	0.006
	0.19	0.5625	0.281	0.218	0.406	0.012	0.015				
GEFZ6S	6.35	16.67	8.71	6.35	12.70	0.3	0.56	13.5	4,950	22	0.010
	0.25	0.6562	0.343	0.25	0.5	0.012	0.022				
GEFZ7S	7.94	19.05	9.53	7.14	14.27	0.3	0.81	12	6,475	28	0.014
	0.3125	0.75	0.375	0.281	0.562	0.012	0.032				
GEFZ9S	9.53	20.64	10.31	7.92	16.66	0.3	0.81	10	8,400	37	0.017
	0.375	0.8125	0.406	0.312	0.656	0.012	0.032				
GEFZ11S	11.11	23.02	11.10	8.71	17.45	0.3	0.81	8	9,453	42	0.021
	0.4375	0.9062	0.437	0.343	0.687	0.012	0.032				
GEFZ12S	12.70	25.40	12.70	9.91	20.65	0.3	0.81	9.5	13,250	58	0.029
	0.5	1	0.5	0.39	0.813	0.012	0.032				
GEFZ14S	14.29	27.78	14.27	11.10	23.01	0.3	0.81	9.5	16,630	73	0.039
	0.5625	1.0937	0.562	0.437	0.906	0.012	0.032				
GEFZ15S	15.88	30.16	15.88	12.70	25.40	0.3	0.81	9.5	21,280	94	0.050
	0.625	1.1875	0.625	0.5	1	0.012	0.032				
GEFZ19S	19.05	36.51	19.05	15.06	30.15	0.3	1.12	9	31,920	141	0.093
	0.75	1.4375	0.75	0.593	1.187	0.012	0.044				
GEFZ22S	22.23	39.69	22.23	17.86	33.32	0.6	1.12	9.5	41,960	186	0.119
	0.875	1.5625	0.703	0.875	1.312	0.024	0.044				
GEFZ25S	25.40	44.45	25.40	20.24	38.10	0.6	1.12	10	55,200	245	0.175
	1	1.75	1	0.797	1.5	0.024	0.044				



PTFE

Spherical Plain Bearings Metric PTFE Lined

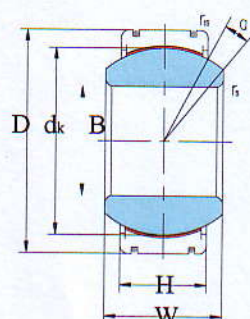
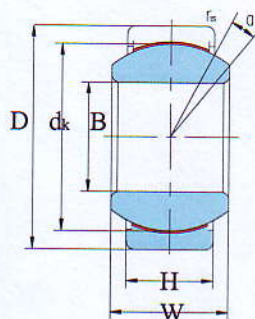


Sliding contact surfaces: Steel / PTFE composite material

Bearing number	Dimensions mm								Load ratings kN		Weight kg
	B	D	W	H	dk	r_s min	r_{is} min		Dynamic	Static	
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

Lubrication

Self Lubricating PTFE Liner



Sliding contact surfaces : Steel / PTFE fabric

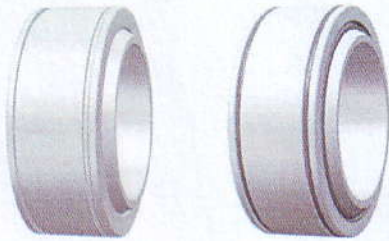
GEG ET 2RS

GEG XT 2RS

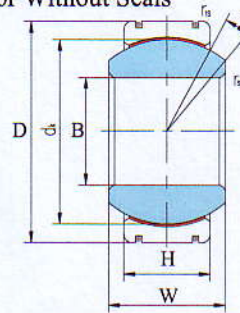
Bearing number	Dimensions mm								Load ratings kN		Weight kg
	B	D	W	H	dk	r _s min	r _{ls} min		Dynamic	Static	
GEG15ET 2RS	15	30	16	10	25	0.3	0.3	16	32	64	0.049
GEG17ET 2RS	17	35	20	12	29	0.3	0.3	19	45	90	0.083
GEG20ET 2RS	20	42	25	16	35.5	0.3	0.6	17	85	170	0.153
GEG25ET 2RS	25	47	28	18	40.7	0.6	0.6	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	24.70
GEG180XT 2RS	180	290	155	100	250	1.1	1.1	14	3750	7500	35.90
GEG200XT 2RS	200	320	165	100	275	1.1	1.1	15	4120	8240	45.28
GEG220XT 2RS	220	340	175	100	300	1.1	1.1	16	4500	9000	51.12
GEG240XT 2RS	240	370	190	110	325	1.1	1.1	15	5360	10720	65.12
GEG260XT 2RS	260	400	205	120	350	1.1	1.1	15	6300	12600	82.44
GEG280XT 2RS	280	430	210	120	375	1.1	1.1	15	6750	13500	97.21



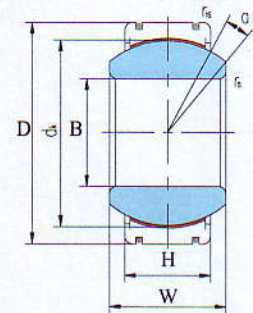
Spherical Plain Bearings - Metric
PTFE Lined With or Without Seals



Sliding contact surfaces: Steel / PTFE fabric



GE XT/X

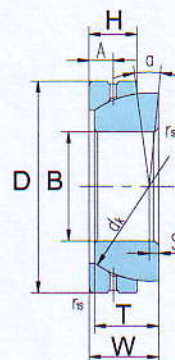


GE XT 2RS/X

Bearing number		Dimensions mm								Load ratings kN		Weight kg
		B	D	W	H	dk	rs min	rls min		Dynamic	Static	
GE70XT/X	GE70XT 2RS/X	70	105	49	40	92	1	1	6	550	1100	1.55
GE80XT/X	GE80XT 2RS/X	80	120	55	45	105	1	1	6	705	1410	2.31
GE90XT/X	GE90XT 2RS/X	90	130	60	50	115	1	1	5	860	1720	2.75
GE100XT/X	GE100XT 2RS/X	100	150	70	55	130	1	1	7	1070	2140	4.45
GE110XT/X	GE110XT 2RS/X	110	160	70	55	140	1	1	6	1150	2300	4.82
GE120XT/X	GE120XT 2RS/X	120	180	85	70	160	1	1	6	1680	3360	8.05
GE140XT/X	GE140XT 2RS/X	140	210	90	70	180	1	1	7	1890	3780	11.02
GE160XT/X	GE160XT 2RS/X	160	230	105	80	200	1	1	8	2400	4800	14.01
GE180XT/X	GE180XT 2RS/X	180	260	105	80	225	1.1	1.1	6	2700	5400	18.65
GE200XT/X	GE200XT 2RS/X	200	290	130	100	250	1.1	1.1	7	3750	7500	28.03



Spherical Plain Bearings Angular Contact - Inch

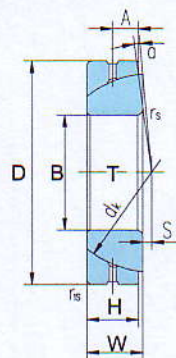


Sliding contact surfaces Steel / Steel

Bearing number	Dimensions mm/inch										Load ratings kN		Weigh kg
	B	D	T	H	W	d _k	S	A	r _{ss} , r ₁ max		Dynamic	Static	
GACZ008S	12.7	22.225	6.86	4.83	7.62	18.26	1.3	2.39	0.51	7	6	18	0.013
	0.5	0.875	0.27	0.19	0.3	0.719	0.051	0.094	0.02				
GACZ010S	15.875	26.988	8.64	6.35	9.40	22.83	1.48	2.77	0.76	6	10	31	0.025
	0.625	1.0625	0.34	0.25	0.37	0.899	0.058	0.109	0.03				
GACZ012S	19.05	31.75	10.41	7.87	11.18	27.43	1.79	3.18	1	6	16	47	0.038
	0.75	1.25	0.41	0.31	0.44	1.08	0.07	0.125	0.04				
GACZ014S	22.225	36.512	12.19	9.65	13.21	31.95	2.02	4.37	2	5.5	22	66	0.049
	0.875	1.4375	0.48	0.38	0.52	1.258	0.08	0.172	0.08				
GACZ016S	25.4	41.275	13.97	11.18	15.24	36.50	2.54	5.16	2	6	29	87	0.085
	1	1.625	0.55	0.44	0.6	1.437	0.1	0.203	0.08				
GACZ020S	31.75	50.8	17.78	13.97	18.80	45.59	3.36	5.94	2	6	47	142	0.159
	1.25	2	0.7	0.55	0.74	1.795	0.132	0.234	0.08				
GACZ022S	34.925	55.562	19.56	15.24	21.34	49.20	3.69	7.14	2.54	4	53	159	0.213
	1.375	2.1875	0.77	0.6	0.84	1.937	0.145	0.281	0.1				
GACZ024S	38.1	61.912	21.34	16.76	23.11	54.74	3.93	7.92	2.54	5.5	66	197	0.301
	1.5	2.4375	0.84	0.66	0.91	2.155	0.155	0.312	0.1				
GACZ028S	44.45	71.438	24.89	20.07	27.18	63.88	4.72	8.33	2.54	6	91	273	0.458
	1.75	2.8125	0.98	0.79	1.07	2.515	0.186	0.328	0.1				
GACZ032S	50.8	80.962	28.70	23.37	31.24	73.02	5.51	9.52	3.56	5.5	122	365	0.671
	2	3.1875	1.13	0.92	1.23	2.875	0.217	0.375	0.14				
GACZ036S	57.15	90.488	32.26	26.67	35.31	82.17	6.18	11.51	3.56	5.5	155	466	0.948
	2.25	3.5625	1.27	1.05	1.39	3.235	0.243	0.453	0.14				
GACZ040S	63.5	100.013	36.07	29.97	39.12	91.19	6.79	12.7	3.56	5	196	589	1.13
	2.5	3.9375	1.42	1.18	1.54	3.59	0.267	0.5	0.14				
GACZ044S	69.85	111.125	39.62	32.38	43.18	100.33	7.46	13.08	4.6	5	231	694	1.75
	2.75	4.375	1.56	1.275	1.7	3.95	0.294	0.515	0.18				
GACZ048S	76.2	120.65	43.43	35.69	47.24	109.52	8.17	14.68	4.6	5	279	838	2.28
	3	4.75	1.71	1.405	1.86	4.312	0.322	0.578	0.18				
GACZ052S	82.55	130.175	47.24	39.24	51.56	118.74	9.04	16.66	4.6	5	332	995	2.89
	3.25	5.125	1.86	1.545	2.03	4.675	0.356	0.656	0.18				



Spherical Plain Bearings Angular Contact - Metric

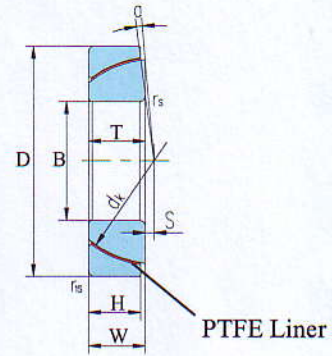


Sliding contact surfaces: Steel / Steel

Bearing number	Dimensions mm										Load ratings kN		Weight kg
	B	D	T	H	W	d _k	S	A	r _s , r _{is} min		Dynamic	Static	
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
GAC190S	190	290	64	62	64	275	26	30	3	0.5	1500	7500	18.2
GAC200S	200	310	70	66	70	290	26	30	3	1.5	1680	8420	22.5



Spherical Plain Bearings Angular Contact - Metric PTFE Lined



Sliding contact surfaces: Steel / PTFE fabric

Bearing number	Dimensions mm									Load ratings kN		Weight kg
	B	D	T	H	W	d _k	S	r _s , r _{ls} min		Dynamic	Static	
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

Dimensions in inches

Suggest Shaft Size For Spherical Plain Bearings

Bearing Series	bore	iso f6		iso g6		iso h6		iso m6	
GEZ.ES	nominal	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
GEZ.ES..2RS									
008	.5000	.4994	.4989	.4997	.4993	.5000	.4996	.5007	.5003
010	.6250	.6244	.6239	.6247	.6243	.6250	.6246	.6257	.6253
012	.7500	.7492	.7487	.7497	.7492	.7500	.7495	.7508	.7503
014	.8750	.8742	.8737	.8747	.8742	.8750	.8745	.8758	.8753
016	1.0000	.9992	.9987	.9997	.9992	1.0000	.9995	1.0008	1.0003
020	1.2500	1.2490	1.2484	1.2496	1.2490	1.2500	1.2494	1.2510	1.2504
022	1.3750	1.3740	1.3734	1.3746	1.3740	1.3750	1.3744	1.3760	1.3754
024	1.5000	1.4990	1.4984	1.4996	1.4990	1.5000	1.4994	1.5010	1.5004
028	1.7500	1.7490	1.7484	1.7496	1.7490	1.7500	1.7494	1.7510	1.7504
032	2.0000	1.9988	1.9981	1.9996	1.9989	2.0000	1.9993	2.0012	2.0005
036	2.2500	2.2488	2.2481	2.2496	2.2489	2.2500	1.2493	2.2512	2.2505
040	2.5000	2.4988	2.4981	2.4996	2.4989	2.5000	2.4993	2.5102	2.5005
044	2.7500	2.7488	2.7481	2.7496	2.7489	2.7500	2.7493	2.7512	2.7505
048	3.0000	2.9988	2.9981	2.9996	2.9989	3.0000	2.9983	3.0012	3.0005
052	3.2500	3.2486	3.2477	3.2495	3.2486	3.2500	3.2491	3.2514	3.2505
056	3.5000	3.4986	3.4977	3.4995	3.4986	3.5000	.34991	3.5014	3.505
060	3.7500	3.7486	3.7477	3.7495	3.7486	3.7500	3.7491	3.7514	3.7505
064	4.0000	3.9986	3.9977	3.9995	3.9986	4.0000	3.9991	4.0014	4.0005
068	4.2500	4.2486	4.2477	4.2495	4.2486	4.2500	4.2491	4.2514	4.2505
072	4.5000	4.4986	4.4977	4.4995	4.4986	4.5000	4.4991	4.5014	4.5005
076	4.7500	4.7483	4.7473	4.7494	4.7484	4.7500	4.7490	4.7516	4.7506
080	5.0000	4.9983	4.9973	4.9994	4.9984	5.0000	4.9990	5.0016	5.0006
096	6.0000	5.9983	5.9973	5.9994	5.9984	6.0000	5.9990	6.0016	6.0006

ISO f6 - Recommended for applications where movement of the shaft within the bore of the ball is expected and desired

ISO g6 - Recommended for applications where minor movement is expected or tolerable. Sometimes referred to as "push fit".

ISO h6 - Recommended for applications where minor movement is not desired but is tolerable.

ISO m6 - Recommended for applications where movement between shaft and bearing bore is not desired, and an interference fit is required. Sometimes referred to as "press fit".

Note: even with m6 fit, under high loads, movement may still occur between shaft and ball bore.

Shaft design: It is generally recommended that shafts or pins be heat treated to a surface hardness of HRC 55 minimum, and have a surface finish of 32 rms or micro inches aa (arithmetic average). In applications with light loads and interference fit, a fully hardened shaft may not be necessary, but is still recommended. Under very heavy loads, an interference fit is no guarantee that there will be no movement of the shaft within the ball bore.