

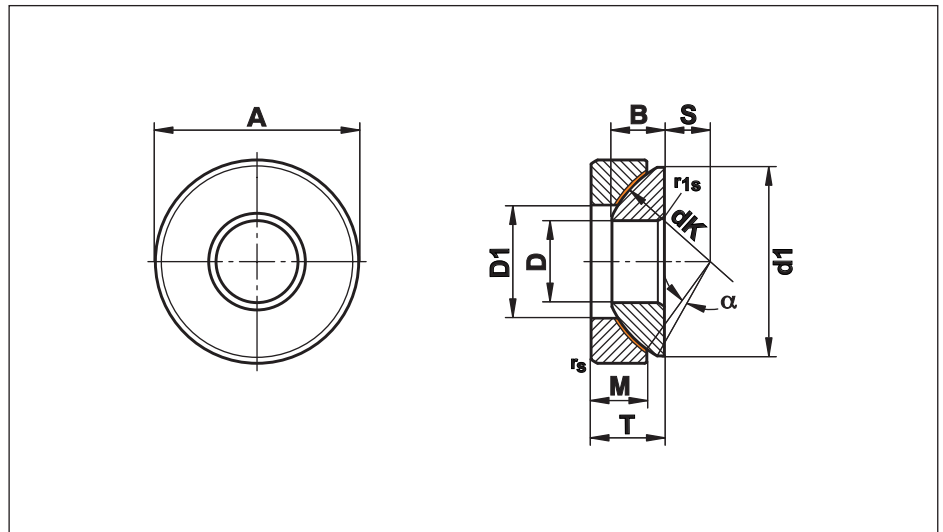
# Spherical Plain Thrust Bearings - Maintenance Free

## Series GE...AW

Spherical Plain Thrust Bearings.

Mating surface hard chromium/PTFE, maintenance free

For use with axial loads



Size (D)	B	M	A	T	S	$r_s, r_{1s}$ min	$d_1$ max	$d_1$ min	$d_k$	Axial load kN		Pivoting angle $\alpha \approx$	Weight g
										Static $C_0$	Dynamic C		
10 <sup>0</sup> <sub>-0,008</sub>	7,5	7,0	30 <sup>0</sup> <sub>-0,009</sub>	9,5 <sup>+0,25</sup> <sub>-0,40</sub>	7,0	0,6	27,5	15,5	32	120	45	5	36
12 <sup>0</sup> <sub>-0,008</sub>	9,5	9,3	35 <sup>0</sup> <sub>-0,011</sub>	13,0 <sup>+0,25</sup> <sub>-0,40</sub>	8,0	0,6	32,0	18,0	38	165	65	5	72
15 <sup>0</sup> <sub>-0,008</sub>	11,0	10,8	42 <sup>0</sup> <sub>-0,011</sub>	15,0 <sup>+0,25</sup> <sub>-0,40</sub>	10,0	0,6	39,0	22,5	46	235	95	6	108
17 <sup>0</sup> <sub>-0,008</sub>	11,8	11,2	47 <sup>0</sup> <sub>-0,011</sub>	16,0 <sup>+0,25</sup> <sub>-0,40</sub>	11,0	0,6	43,5	27,0	52	275	110	4	137
20 <sup>0</sup> <sub>-0,010</sub>	14,5	13,8	55 <sup>0</sup> <sub>-0,013</sub>	20,0 <sup>+0,25</sup> <sub>-0,40</sub>	12,5	1,0	50,0	31,0	60	380	150	5	246
25 <sup>0</sup> <sub>-0,010</sub>	16,5	16,7	62 <sup>0</sup> <sub>-0,013</sub>	22,5 <sup>+0,25</sup> <sub>-0,40</sub>	14,0	1,0	58,5	34,5	68	600	245	5	415
30 <sup>0</sup> <sub>-0,010</sub>	19,0	19,0	75 <sup>0</sup> <sub>-0,013</sub>	26,0 <sup>+0,25</sup> <sub>-0,40</sub>	17,5	1,0	70,0	42,0	82	820	335	5	614
35 <sup>0</sup> <sub>-0,012</sub>	22,0	20,7	90 <sup>0</sup> <sub>-0,015</sub>	28,0 <sup>+0,25</sup> <sub>-0,40</sub>	22,0	1,0	84,0	50,5	98	1200	490	5	973
40 <sup>0</sup> <sub>-0,012</sub>	27,0	21,5	105 <sup>0</sup> <sub>-0,015</sub>	32,0 <sup>+0,25</sup> <sub>-0,40</sub>	24,5	1,0	97,0	59,0	114	1640	675	6	1590
45 <sup>0</sup> <sub>-0,012</sub>	31,0	25,5	120 <sup>0</sup> <sub>-0,015</sub>	36,5 <sup>+0,25</sup> <sub>-0,40</sub>	27,5	1,0	110,0	67,0	128	2240	915	6	2240
50 <sup>0</sup> <sub>-0,012</sub>	33,0	30,5	130 <sup>0</sup> <sub>-0,018</sub>	42,5 <sup>+0,25</sup> <sub>-0,40</sub>	30,0	1,0	120,0	70,0	139	2550	1040	6	3140
60 <sup>0</sup> <sub>-0,015</sub>	37,0	34,0	150 <sup>0</sup> <sub>-0,018</sub>	45,0 <sup>+0,25</sup> <sub>-0,50</sub>	35,0	1,0	140,0	84,0	160	3470	1360	6	4630
70 <sup>0</sup> <sub>-0,015</sub>	42,0	36,5	160 <sup>0</sup> <sub>-0,025</sub>	50,0 <sup>+0,25</sup> <sub>-0,50</sub>	35,0	1,0	153,0	94,5	176	4180	1640	3	5370
80 <sup>0</sup> <sub>-0,015</sub>	43,5	38,0	180 <sup>0</sup> <sub>-0,025</sub>	50,0 <sup>+0,25</sup> <sub>-0,60</sub>	42,5	1,0	172,0	107,5	197	5180	2030	4	6910
100 <sup>0</sup> <sub>-0,020</sub>	51,0	46,0	210 <sup>0</sup> <sub>-0,030</sub>	59,0 <sup>+0,25</sup> <sub>-0,60</sub>	45,0	1,1	198,0	127,0	222	5940	2230	4	11000
120 <sup>1)</sup> <sub>-0,020</sub>	53,5	50,0	230 <sup>0</sup> <sub>-0,030</sub>	64,0 <sup>+0,25</sup> <sub>-0,60</sub>	52,5	1,1	220,0	145,0	250	6960	2610	3	14000
140 <sup>1)</sup> <sub>-0,025</sub>	61,0	54,0	260 <sup>0</sup> <sub>-0,035</sub>	72,0 <sup>+0,35</sup> <sub>-0,70</sub>	52,5	1,5	243,0	177,0	274	8300	3120	3	19100
160 <sup>1)</sup> <sub>-0,025</sub>	66,0	58,0	290 <sup>0</sup> <sub>-0,035</sub>	77,0 <sup>+0,35</sup> <sub>-0,70</sub>	65,0	1,5	271,0	200,0	313	9560	3380	2	25000
180 <sup>1)</sup> <sub>-0,025</sub>	74,0	62,0	320 <sup>0</sup> <sub>-0,040</sub>	86,0 <sup>+0,35</sup> <sub>-0,70</sub>	67,5	1,5	299,0	225,0	340	11050	3910	4	32800
200 <sup>1)</sup> <sub>-0,030</sub>	80,0	66,0	340 <sup>0</sup> <sub>-0,040</sub>	87,0 <sup>+0,35</sup> <sub>-0,80</sub>	70,0	1,5	320,0	247,0	365	13990	4950	1	35400
220 <sup>1)</sup> <sub>-0,030</sub>	82,0	67,0	370 <sup>0</sup> <sub>-0,040</sub>	97,0 <sup>+0,35</sup> <sub>-0,80</sub>	75,0	1,5	350,0	265,5	388	13110	4640	7,0	44700
240 <sup>1)</sup> <sub>-0,030</sub>	87,0	73,0	400 <sup>0</sup> <sub>-0,040</sub>	103,0 <sup>+0,35</sup> <sub>-0,80</sub>	77,5	1,5	382,0	294,0	420	15560	5500	6,0	56900
260 <sup>1)</sup> <sub>-0,035</sub>	95,0	80,0	430 <sup>0</sup> <sub>-0,045</sub>	115,0 <sup>+0,35</sup> <sub>-0,80</sub>	82,5	1,5	409,0	317,0	449	17510	6190	7,0	71300
280 <sup>1)</sup> <sub>-0,035</sub>	100,0	85,0	460 <sup>0</sup> <sub>-0,045</sub>	110,0 <sup>+0,35</sup> <sub>-0,80</sub>	80,0	3,0	445,0	337,0	480	23400	8280	4,0	84700
300 <sup>1)</sup> <sub>-0,035</sub>	100,0	90,0	480 <sup>0</sup> <sub>-0,045</sub>	110,0 <sup>+0,35</sup> <sub>-0,80</sub>	80,0	3,0	460,0	356,0	490	25480	9010	3,5	88900
320 <sup>1)</sup> <sub>-0,040</sub>	105,0	91,0	520 <sup>0</sup> <sub>-0,050</sub>	116,0 <sup>+0,35</sup> <sub>-0,80</sub>	95,0	4,0	500,0	380,0	540	33260	11360	4,0	111000
340 <sup>1)</sup> <sub>-0,040</sub>	105,0	91,0	540 <sup>0</sup> <sub>-0,050</sub>	116,0 <sup>+0,35</sup> <sub>-0,80</sub>	95,0	4,0	510,0	380,0	550	33880	11570	4,0	117000
360 <sup>1)</sup> <sub>-0,040</sub>	115,0	95,0	560 <sup>0</sup> <sub>-0,050</sub>	125,0 <sup>+0,35</sup> <sub>-0,80</sub>	95,0	4,0	535,0	400,0	575	37630	12850	4,0	132000

### Materials:

**Housing disk:** Bearing steel to 100Cr6, Aisi 52100, hardened with PTFE liner bonded to the inner surface

**Inner disk:** Bearing steel to 100Cr6, Aisi 52100, hardened, ground, polished, hard chrome plated

**On request:** stainless steel version

<sup>1)</sup> Price and availability on request