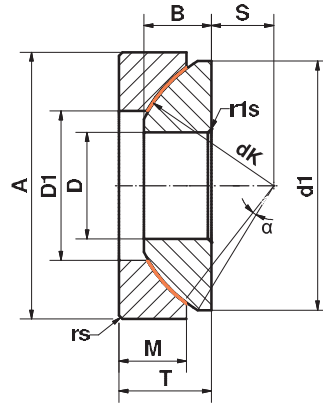


# Axial Spherical Plain Bearing

## Series GE...AWE

Axial spherical plain bearing, mating surface hard chrome/FLUROGLIDE®, maintenance free

For use with high axial loads



Size (D)	B	M	A	T	S	r <sub>s</sub> , r <sub>1s</sub> min	d <sub>1</sub> min	D1	d <sub>k</sub>	Axial load rating kN		Tilting angle α ≈	Weight g
										Static C <sub>0</sub>	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	17,0	32	146	88	5,0	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	20,0	38	195	117	5,0	72
15 <sup>0</sup> <sub>-0.008</sub>	11	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	24,5	46	278	167	6,0	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	28,5	52	350	210	4,0	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	34,0	60	410	246	5,0	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	35,0	68	718	431	5,0	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	44,5	82	920	552	5,0	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	52,5	98	1.340	804	5,0	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	59,5	114	1.789	1.073	6,0	1.590
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	68,5	128	2.263	1.357	6,0	2.240
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	71,0	139	2.836	1.702	6,0	3.140
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	86,5	160	3.790	2.274	6,0	4.630
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	95,5	176	4.887	2.932	3,0	5.370
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>-0.50</sub>	42,5	1,0	172,0	109,0	197	5.908	3.545	4,0	6.910
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	134,0	222	7.018	4.210	4,0	11.000
120 <sup>0</sup> <sub>-0.020</sub>	53,5	50	230 <sup>0</sup> <sub>-0.030</sub>	64,0 <sup>+0.25</sup> <sub>-0.60</sub>	52,5	1,1	220,0	155,0	250	8.162	4.897	3,0	14.000
140 <sup>0</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	9.372	5.623	3,0	19.100
160 <sup>0</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	11.680	7.008	2,0	25.000
180 <sup>0</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	12.364	7.418	4,0	32.800
200 <sup>0</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	15.350	9.210	1,0	35.400
220 <sup>0</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	14.119	8.471	7,0	44.700
240 <sup>0</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	17.176	10.305	6,0	56.900
260 <sup>0</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	18.019	10.811	7,0	71.300
280 <sup>0</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	28.561	17.136	4,0	84.700
300 <sup>0</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	28.809	17.285	3,5	88.900

### Materials:

**Housing disk:** Bearing steel 100Cr6, hardened and phosphated, with FLUROGLIDE® bonded to the inner surface

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

On request available in stainless steel

Please note that the numbers pointed off on the pages 17 to 23 and 25 in the data sheets, signalise a thousands place. And the numbers with thousands separators (comma) signalise a decimal point.