



SS Stainless Steel

Metric table

Dimensions in: millimeters - inches

d ₁ Bore	d ₂	b ₁	b ₂	d ₃	w Max. tilting angle	Static load C ₀	Dynamic load C
5 0.20	16 0.63	8 0.31	6 0.24	7.7 0.30	13°	12.5 kN 2810 lbf	7.5 kN 1686 lbf
6 0.24	18 0.71	9 0.35	6.75 0.27	8.9 0.35	13°	15.5 kN 3485 lbf	9.3 kN 2091 lbf
8 0.31	22 0.87	12 0.47	9 0.35	10.4 0.41	14°	27.8 kN 6250 lbf	16.7 kN 3754 lbf
10 0.39	26 1.02	14 0.55	10.5 0.41	12.9 0.51	13°	39 kN 8768 lbf	23.4 kN 5261 lbf
12 0.47	30 1.18	16 0.63	12 0.47	15.4 0.61	13°	53.3 kN 11982 lbf	32 kN 7194 lbf
14 0.55	34 1.34	19 0.75	13.5 0.53	16.8 0.66	16°	69.8 kN 15692 lbf	41.9 kN 9419 lbf
16 0.63	38 1.50	21 0.83	15 0.59	19.3 0.76	15°	87.8 kN 19738 lbf	52.7 kN 11847 lbf
18 0.71	42 1.65	23 0.91	16.5 0.65	21.8 0.86	15°	106.3 kN 23897 lbf	63.8 kN 14343 lbf
20 0.79	46 1.81	25 0.98	18 0.71	24.3 0.96	14°	130.2 kN 29270 lbf	78.1 kN 17558 lbf
22 0.87	50 1.97	28 1.10	20 0.79	25.8 1.02	15°	162 kN 36419 lbf	97.2 kN 21851 lbf
25 0.98	56 2.20	31 1.22	22 0.87	29.6 1.17	15°	203.5 kN 45749 lbf	112.1 kN 25201 lbf
30 1.18	66 2.60	37 1.46	25 0.98	34.8 1.37	17°	280.7 kN 63104 lbf	168.4 kN 37858 lbf
35 1.38	78 3.07	43 1.69	28 1.10	37.7 1.48	19°	342.8 kN 77065 lbf	205.7 kN 46243 lbf
40 1.57	87 3.43	49 1.93	35 1.38	44.2 1.74	16°	495.2 kN 111325 lbf	297.1 kN 66791 lbf

Specification

- Outer ring
Stainless steel AISI 303
Turned from solid bar
- Bearing socket
Special high-strength bronze CuSn8
With PTFE insert
- Internal ring
Steel 100Cr6
Hardened, ground, polished,
hard chrome plated

Information

GLRSW spherical plain bearings are for use at lower revolutions with higher dynamic pressure and tension loads in corrosive environments and they are maintenance-free.

see also...

- Further Information on Spherical Plain Bearings
- Spherical Plain Bearings GXSW (Steel, without Outer Ring)
- Spherical Plain Bearings GN 648.8 (Steel)
- Spherical Plain Bearings GN 648.9 (Stainless Steel)

How to order

GLRSW-12-30

- 1 Bore d₁
- 2 Outside diameter d₂

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10