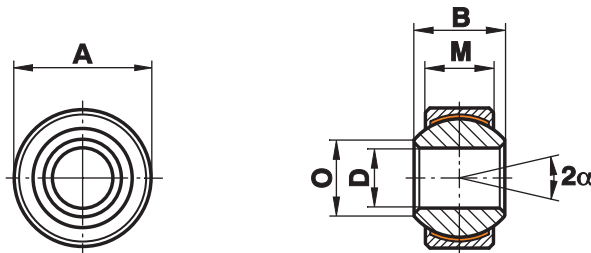


Spherical Plain Bearings Series K - Maintenance Free

Series GXSW

Spherical Plain Bearings,
without outer ring, main-
tenance free

For use at high pressure
and dynamic loads



| Size | D | B | M | A | O | Static load C ₀ kN | Dynamic load C kN | Limiting speed rev/min | Weight g |
|-------|----|----|-------|------|------|----------------------------------|----------------------|---------------------------|-------------|
| 4 | 4 | 7 | 5,25 | 12,0 | 6,5 | 9,5 | 5,7 | 700 | 4 |
| 5 | 5 | 8 | 6,00 | 13,0 | 7,7 | 12,5 | 7,5 | 600 | 6 |
| 6 | 6 | 9 | 6,75 | 15,0 | 8,9 | 15,5 | 9,3 | 530 | 8 |
| 6.16 | 6 | 9 | 6,75 | 16,0 | 8,9 | 15,5 | 9,3 | 530 | 9 |
| 8 | 8 | 12 | 9,00 | 18,0 | 10,4 | 27,8 | 16,7 | 420 | 15 |
| 8.19 | 8 | 12 | 9,00 | 19,0 | 10,4 | 27,8 | 16,7 | 420 | 17 |
| 10 | 10 | 14 | 10,50 | 21,0 | 12,9 | 39,0 | 23,4 | 350 | 23 |
| 10.22 | 10 | 14 | 10,50 | 22,0 | 12,9 | 39,0 | 23,4 | 350 | 26 |
| 12 | 12 | 16 | 12,00 | 24,5 | 15,4 | 53,5 | 32,0 | 300 | 35 |
| 12.26 | 12 | 16 | 12,00 | 26,0 | 15,4 | 53,5 | 32,0 | 300 | 41 |
| 14 | 14 | 19 | 13,50 | 28,0 | 16,8 | 70,0 | 42,0 | 260 | 52 |
| 14.29 | 14 | 19 | 13,50 | 29,0 | 16,8 | 70,0 | 42,0 | 260 | 56 |
| 16 | 16 | 21 | 15,00 | 31,5 | 19,3 | 88,0 | 52,5 | 230 | 72 |
| 16.32 | 16 | 21 | 15,00 | 32,0 | 19,3 | 88,0 | 52,5 | 230 | 75 |
| 18 | 18 | 23 | 16,50 | 34,5 | 21,8 | 106,5 | 64,0 | 210 | 95 |
| 18.35 | 18 | 23 | 16,50 | 35,0 | 21,8 | 106,5 | 64,0 | 210 | 97 |
| 20 | 20 | 25 | 18,00 | 38,0 | 24,3 | 130,0 | 78,0 | 190 | 127 |
| 20.40 | 20 | 25 | 18,00 | 40,0 | 24,3 | 130,0 | 78,0 | 190 | 142 |
| 22 | 22 | 28 | 20,00 | 41,0 | 25,8 | 162,0 | 97,0 | 170 | 159 |
| 22.42 | 22 | 28 | 20,00 | 42,0 | 25,8 | 162,0 | 97,0 | 170 | 169 |
| 25 | 25 | 31 | 22,00 | 46,0 | 29,6 | 204,0 | 122,0 | 150 | 222 |
| 25.47 | 25 | 31 | 22,00 | 47,0 | 29,6 | 204,0 | 122,0 | 150 | 230 |
| 30 | 30 | 37 | 25,00 | 54,0 | 34,8 | 281,0 | 168,0 | 130 | 350 |
| 30.55 | 30 | 37 | 25,00 | 55,0 | 34,8 | 281,0 | 168,0 | 130 | 369 |
| 35 | 35 | 43 | 28,00 | 62,0 | 37,7 | 343,0 | 206,0 | 110 | 505 |
| 35.65 | 35 | 43 | 28,00 | 65,0 | 37,7 | 343,0 | 206,0 | 110 | 545 |
| 40 | 40 | 49 | 35,00 | 72,0 | 44,2 | 495,0 | 286,0 | 100 | 832 |
| 40.75 | 40 | 49 | 35,00 | 75,0 | 44,2 | 495,0 | 286,0 | 100 | 894 |
| 50 | 50 | 60 | 45,00 | 90,0 | 55,9 | 800,0 | 485,0 | 80 | 1640 |

only for short-term revolutions recommended

Materials:

Insert: Free-cutting steel to 9SMnPb28K, 12L13, with PTFE liner bonded to inner surface

Ball: Bearing steel to 100Cr6, Aisi 52100, hardened, ground, polished

This series is also available with threaded bolt (see page 39) and as stainless steel version.