Super Smart Ball Bushing[®] Bearings (Closed Type)





Super Smart Ball Bushing Bearings (Closed Type) (Dimensions in mm)

| Part Number | | | | | 0 | 61 | 00 | | | Dynamic | Load Limit |
|----------------------------|----------------------------|-----------------------------|-------------------------|----|-----------|------|------|--------------------------|-----------|---------------------------------|---|
| Without Integral Wipers | With one Integral Wiper | With two Integral Wipers | d ⁽⁴⁾ | D | են h14 | H13 | min. | Number of Ball Tracks | Mass (kg) | Load W ⁽¹⁾⁽³⁾ (N) | W ₀ ⁽²⁾⁽³⁾ (N) |
| SSEM16 | SSEM16W | SSEM16WW | 16 | 26 | 36 | 24.6 | 1.30 | 10 | 0.030 | 2200 | 2400 |
| SSEM20 | SSEM20W | SSEM20WW | 20 | 32 | 45 | 31.2 | 1.60 | 10 | 0.066 | 4000 | 4400 |
| SSEM25 | SSEM25W | SSEM25WW | 25 | 40 | 58 | 43.7 | 1.85 | 10 | 0.135 | 6700 | 7300 |
| SSEM30 | SSEM30W | SSEM30WW | 30 | 47 | 68 | 51.7 | 1.85 | 10 | 0.206 | 8300 | 9100 |
| SSEM40 | SSEM40W | SSEM40WW | 40 | 62 | 80 | 60.3 | 2.15 | 10 | 0.392 | 13700 | 15000 |

(1) For rated travel life of 100 km. For longer travel lives. reduce load to •(100/L)^{0.33} where L (km) is the required travel life. Do not exceed the Dynamic Load Rating for travel life of less than 100 km.

(2) The Load Limit is the maximum load that may be applied to a bearing/shaft. It is important to analyze the application so that peak and/or shock do not exceed the Load Limit.

(3) The load capacities W and Wq are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor K_g, should be applied to W and Wq respectively. Open type bearings have reduced load capacities when used in pull-off situations.

(4) Internal bearing diameter is affected by the housing bore. see Table 1.

(5) Hole for anti-rotation pin is below centerline.

NOTE: For part number description and specifications, see page 134.

NOTE: External seals and retaining rings are available. See page 173 for specifications.

NOTE: For additional technical information. see the Engineering section beginning on page 256.

