

Thomson Super Smart Ball Bushing

BONDY

INDUSTRIAL EQUIPMENT SUPPLIER

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Super Smart Ball Bushing Bearings



Metric Ball Bushing Bearings

Thomson Super Smart Ball Bushing Bearing products offer:

- Up to six times the load capacity or 216 times the travel life of conventional linear bearings.
- Twice the load capacity or eight times the travel life of industry standard Thomson Super Ball Bushing Bearings.
- Universal self-alignment feature that compensates for misalignment of housing bores and 60 Case® LinearRace® shaft deflection, optimizes load distribution between ball tracks and assures uniform ball loading over the entire length of the bearing plate. Installation time and cost is minimized, while bearing performance and life is maximized.
- Technologically advanced design that allows the bearing to maintain its diametral fit-up when installed in a housing that is slightly out-of-round.
- Up to 400% longer LinearRace shaft life and minimal machine downtime when replacing conventional linear bearings or the standard Super Ball Bushing Bearing.
- RoundRail Advantage combined with universal self-alignment, eliminating the need for derating factors commonly required when using linear guides.
- Coefficient of friction as low as 0.001. This allows the use of smaller, less expensive motors, belts, gears and ball screws, when replacing high friction, plain bearings.
- Closed and open configurations.
- Double-lip integral wipers that keep out dirt while retaining lubrication. Travel life is maximized.

Available in both European and JIS standard dimensions.

Super Smart Ball Bushing® Bearings (Closed Type) for End-Supported Applications

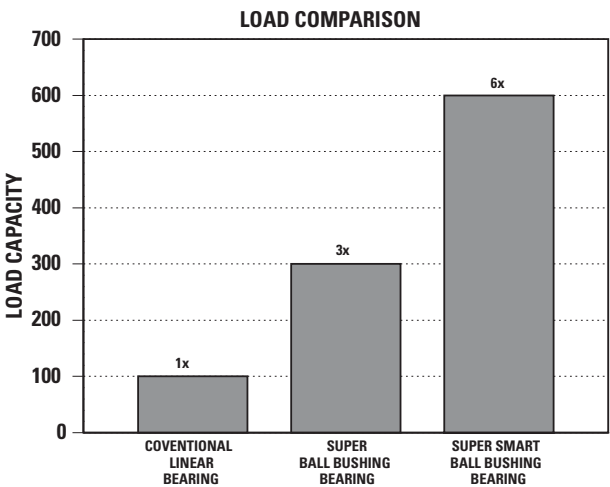
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See catalog pages or contact Thomson Customer Support for combination availability.
For additional information on bearing options, see page 263.

The Super Smart Advantage

Advantage: Load Capacity

The Super Smart Ball Bushing Bearing provides twice the load capacity of the industry standard Thomson Super Ball Bushing Bearing and six times the load capacity of conventional linear bearings.



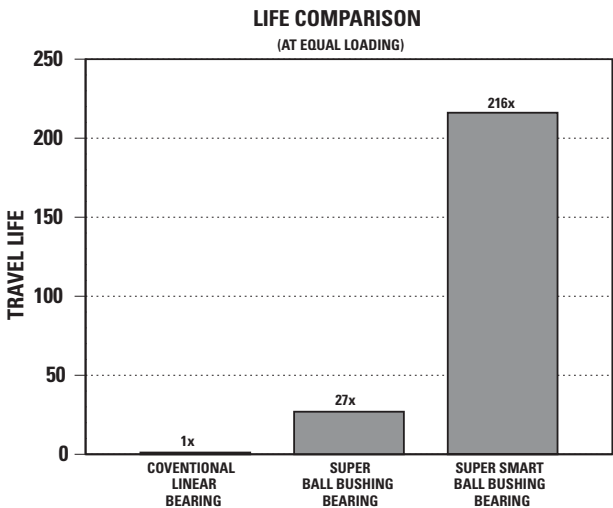
Metric Ball Bushing Bearings

Downsizing

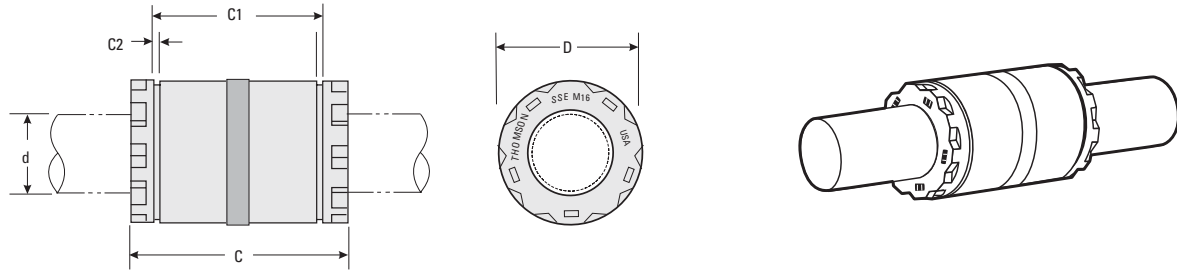
The photograph above shows a conventional Ball Bushing Bearing, Super Ball Bushing Bearing and Super Smart Ball Bushing Bearing, all of which have the same load capacity.

Advantage: Travel Life

The Super Smart Ball Bushing Bearing provides eight times the travel life of the industry standard Thomson Super Ball Bushing Bearing and 216 times the travel life of conventional linear bearings.



Super Smart Ball Bushing® Bearings (Closed Type)



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

| Part Number | | | d ⁽⁴⁾ | D | C h14 | C1 H13 | C2 min. | Number of Ball Tracks | Mass (kg) | Dynamic Load W ⁽¹⁾⁽³⁾ (N) | Load Limit W ₀ ⁽²⁾⁽³⁾ (N) |
|----------------------------|----------------------------|-----------------------------|------------------|----|----------|-----------|------------|--------------------------|-----------|--|---|
| Without Integral Wipers | With one Integral Wiper | With two Integral Wipers | | | | | | | | | |
| 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 $\sqrt[3]{(100/L)}$ 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 W₀ 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_q should be applied to W and W₀ respectively. Open type bearings have reduced load capacities when used in pull-off situations.

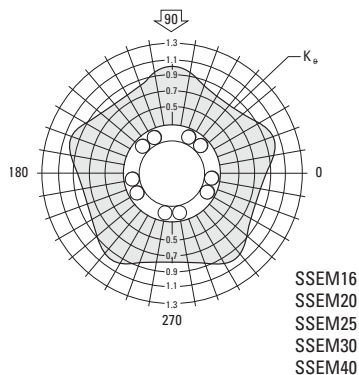
(4) Internal bearing diameter is affected by the housing bore. see Table 1.

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

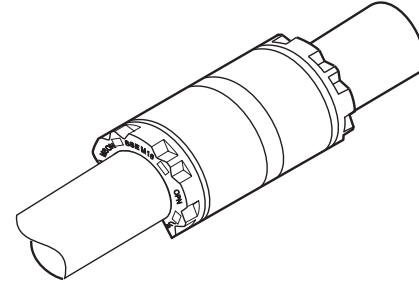
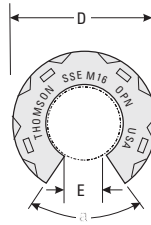
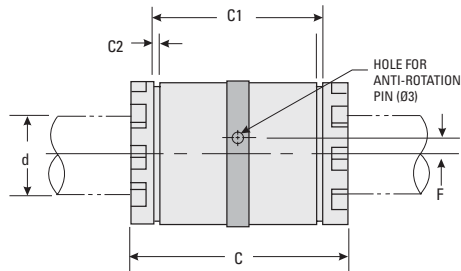
NOTE: For part number description and specifications, see page 128.

NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical information, see the Engineering section beginning on page 252.



Super Smart Ball Bushing Bearings (Open Type)



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

| Part Number | | | d ⁽⁴⁾ | D | C h14 | C1 H13 | C2 min. | E | F | Angle α (deg) | Number of Ball Tracks | Mass (kg) | Dynamic Load W _d ⁽¹⁾⁽³⁾ (N) | Load Limit W ₀ ⁽²⁾⁽³⁾ (N) |
|----------------------------|----------------------------|-----------------------------|------------------|----|----------|-----------|------------|------|---------------------|----------------------------|-----------------------------|--------------|---|---|
| Without Integral Wipers | With one Integral Wiper | With two Integral Wipers | | | | | | | | | | | | |
| SSEM160PN | SSEM160PNW | SSEM160PNWW | 16 | 26 | 36 | 24.6 | 1.30 | 9.0 | 0 | 70 | 8 | 0.023 | 2200 | 2400 |
| SSEM200PN | SSEM200PNW | SSEM200PNWW | 20 | 32 | 45 | 31.2 | 1.60 | 10.0 | 0 | 50 | 8 | 0.054 | 4000 | 4400 |
| SSEM250PN | SSEM250PNW | SSEM250PNWW | 25 | 40 | 58 | 43.7 | 1.85 | 12.5 | 1.50 ⁽⁵⁾ | 60 | 8 | 0.107 | 6700 | 7300 |
| SSEM300PN | SSEM300PNW | SSEM300PNWW | 30 | 47 | 68 | 51.7 | 1.85 | 13.7 | 2.00 | 55 | 8 | 0.163 | 8300 | 9100 |
| SSEM400PN | SSEM400PNW | SSEM400PNWW | 40 | 62 | 80 | 60.3 | 2.15 | 19.0 | 1.50 | 54 | 8 | 0.315 | 13700 | 15000 |

(1) For rated travel life of 100 km. For longer travel lives, reduce load to $\bullet(100/L)^{0.33}$ 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 W_q 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_q should be applied to W and W_q 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 128.

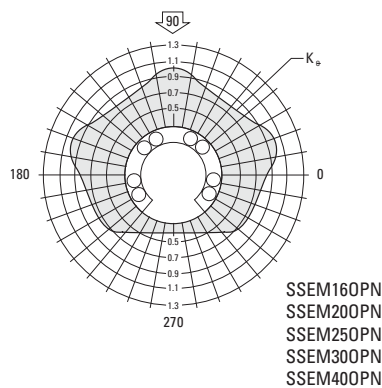
NOTE: External seals and retaining are available. See page 168 for specifications.

NOTE: For additional technical information, see the Engineering section beginning on page 252.

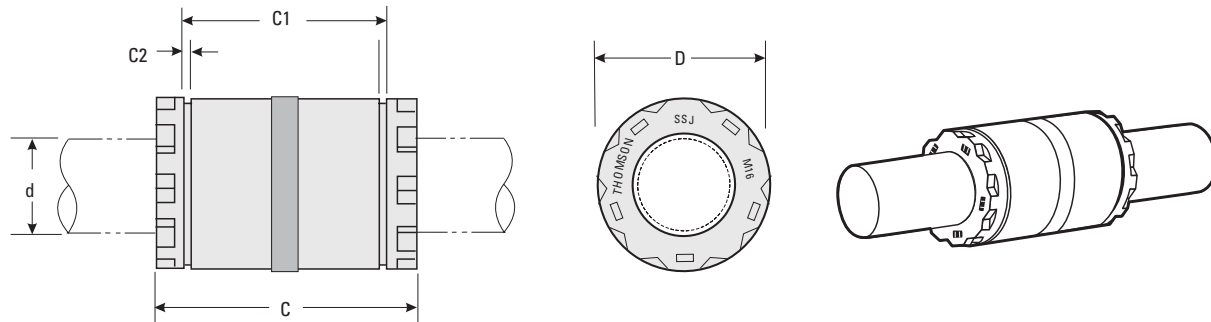
Table 1 - Standard Diametral Clearances

| Nominal Shaft Diameter d (mm) | Nominal Housing Bore Diameter d (mm) | Diametral Clearance | |
|--|--|----------------------------|----------------------------|
| | | Housing Bore H7 (µm) | Housing Bore H6 (µm) |
| 16 | 26 | +33 +4 | +26 +3 |
| 20 | 32 | +37 +6 | +30 +4 |
| 25 | 40 | +37 +6 | +30 +4 |
| 30 | 47 | +37 +6 | +30 +4 |
| 40 | 62 | +44 +7 | +35 +5 |

For Super Smart Ball Bushing Bearings mounted in a housing and with LinearRace shafts, h6 tolerance



Super Smart Ball Bushing® Bearings - JIS Specifications (Closed Type)



Designed to be used for new or existing JIS (Japanese Industrial Standard) designs

| Part Number | | | Dimensions (mm) | | | | | Number of Ball Tracks | Mass (kg) | Dynamic Load $W^{(1)(3)}$ (N) | Load Limit $W_0^{(2)(3)}$ (N) |
|-------------------------|-------------------------|-------------------------|---------------------------|-------|--------|---------|-------------------------------------|-----------------------|-----------|-------------------------------|-------------------------------|
| Without Integral Wipers | With One Integral Wiper | With Two Integral Wiper | Nominal LinearRace Dia. d | C h14 | C1 h13 | C2 min. | Nominal Housing Bore Dia. $D^{(2)}$ | | | | |
| SSJM16 | SSJM16W | SSJM16WW | 16 | 37 | 26.5 | 1.60 | 28 | 10 | .030 | 2200 | 2400 |
| SSJM20 | SSJM20W | SSJM20WW | 20 | 42 | 30.5 | 1.60 | 32 | 10 | .066 | 4000 | 4400 |
| SSJM25 | SSJM25W | SSJM25WW | 25 | 59 | 41 | 1.85 | 40 | 10 | .133 | 6700 | 7300 |
| SSJM30 | SSJM30W | SSJM30WW | 30 | 64 | 44.5 | 1.85 | 45 | 10 | .202 | 8300 | 9100 |
| SSJM40 | SSJM40W | SSJM40WW | 40 | 80 | 60.5 | 2.10 | 60 | 10 | .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.

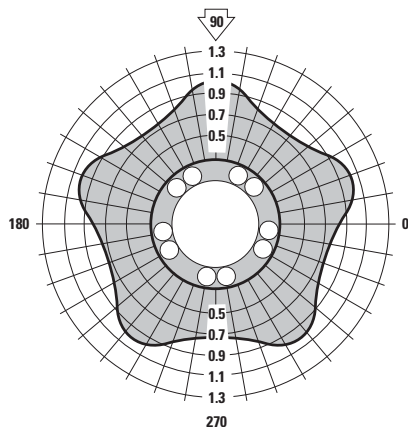
(3) The load capacities W and Wq are valid for a resultant load applied at 90° with the ball tracks oriented as shown in the polar graphs below. If the resultant acts along another direction, the appropriate multiplicative correction factor Kq, should be applied to W and Wq respectively. Open type bearings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

(4) Refer to Table 1 to find the diametral tolerance between the LinearRace and Super Smart Ball Bushing bearing for bearing installation in housing H7 or J7 tolerance.

NOTE: For part number description and specifications, see page 128.

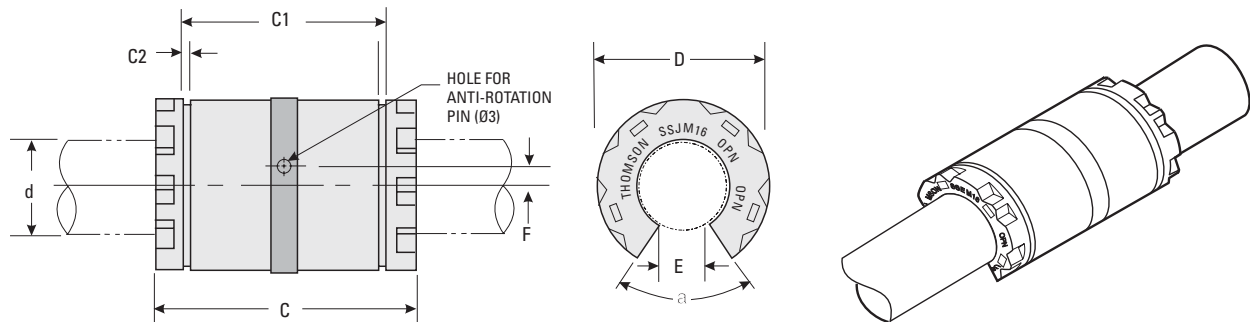
NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical information, see engineering section beginning on page 252.



SSJM16
SSJM20
SSJM25
SSJM30
SSJM40

Super Smart Ball Bushing Bearings - JIS Specifications (Open Type)



Designed to be used for new or existing JIS (Japanese Industrial Standard) designs

| Part Number | | | Dimensions (mm) | | | | | E min. | a (deg) | Number of Ball Tracks | Mass (kg) | Dynamic Load $W^{(1)(3)}$ (N) | Load Limit $W_0^{(2)(3)}$ (N) |
|-------------------------|-------------------------|-------------------------|---------------------------|-------|--------|---------|--|--------|---------|-----------------------|-----------|-------------------------------|-------------------------------|
| Without Integral Wipers | With One Integral Wiper | With Two Integral Wiper | Nominal LinearRace Dia. d | C h14 | C1 h13 | C2 min. | Nominal Housing Bore Dia. D ⁽²⁾ | | | | | | |
| SSJM160PN | SSJM160PNW | SSJM160PNWW | 16 | 37 | 26.5 | 1.60 | 28 | 11 | 80 | 8 | .023 | 2200 | 2400 |
| SSJM200PN | SSJM200PNW | SSJM200PNWW | 20 | 42 | 30.5 | 1.60 | 32 | 11 | 60 | 8 | .054 | 4000 | 4400 |
| SSJM250PN | SSJM250PNW | SSJM250PNWW | 25 | 59 | 41 | 1.85 | 40 | 12 | 50 | 8 | .107 | 6700 | 7300 |
| SSJM300PN | SSJM300PNW | SSJM300PNWW | 30 | 64 | 44.5 | 1.85 | 45 | 15 | 50 | 8 | .163 | 8300 | 9100 |
| SSJM400PN | SSJM400PNW | SSJM400PNWW | 40 | 80 | 60.5 | 2.10 | 60 | 20 | 50 | 8 | .315 | 13700 | 15000 |

(1) For rated travel life of 100 km. For longer travel lives, reduce load to $\sqrt[3]{100/L}$ 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 W_0 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_θ should be applied to W and W_0 respectively. Open type bearings have reduced load capacities when used in pull-off situations.

(4) Refer to Table 1 to find the diametral tolerance between the LinearRace and Super Smart Ball Bushing bearing for bearing installation in housing having either a H7 or J7 tolerance.

NOTE: For part number description and specifications, see page 128.

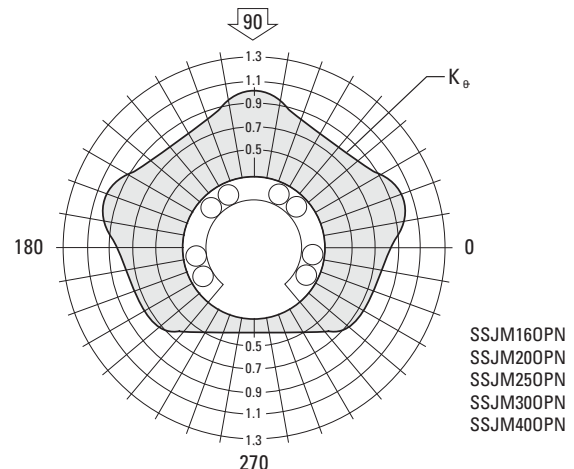
NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical information, see engineering section beginning on page 252.

Table 1 – Standard Dimensional Clearances

| Nominal LinearRace® Dia. d (mm) | Nominal Housing Bore Diameter d (mm) | Dimensional Clearance | |
|---------------------------------|--------------------------------------|-----------------------|----------------------|
| | | Housing Bore H7 (μm) | Housing Bore J7 (μm) |
| 16 | 28 | +33 +8 | +24 -1 |
| 20 | 32 | +39 +9 | +28 -2 |
| 25 | 40 | +39 +9 | +28 -2 |
| 30 | 45 | +39 +9 | +28 -2 |
| 40 | 60 | +44 +11 | +35 -1 |

For Super Smart Ball Bushing Bearings mounted in a housing and with LinearRace shafts, h6 tolerances



MultiTrac® Ball Bushing® Bearings

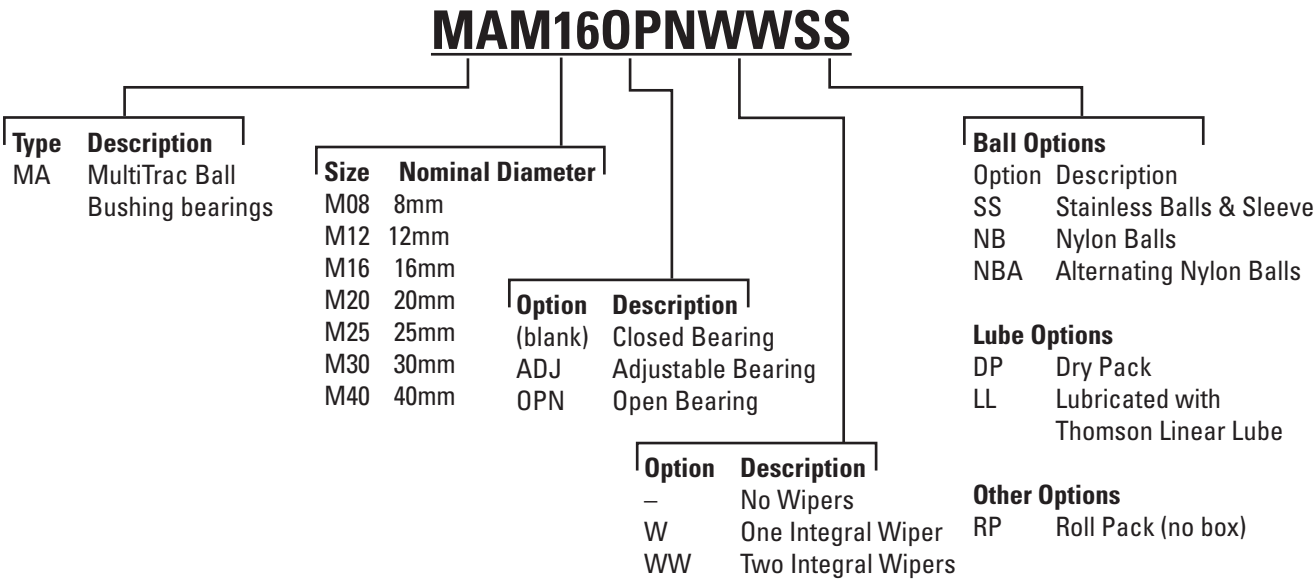


Thomson MultiTrac Ball Bushing Bearings offer:

- Patented, multiple-track design with up to twice the load-carrying capacity, or eight times the life, of conventional linear bearings.
- Rigid design for minimal deflection, assuring accurate, precise positioning.
- Coefficient of friction as low as 0.001.
- Patented ball control technology, which eliminates binding and chatter (stick-slip) common to high-friction, plain bushings and sliding-way bearings.
- RoundRail Advantage which, combined with the advanced MultiTrac Ball Bushing Bearing design, eliminates the need for the derating factors commonly required with square rail linear guides.
- Steady state speeds up to 3 m/s and accelerations up to 150 m/s², without the use of derating factors.
- Wear-resistant, engineered-polymer retainers to reduce inertia and noise levels.
- Adjustable, closed and open configurations.
- Stainless steel (440C) option available in all sizes for corrosive environments.

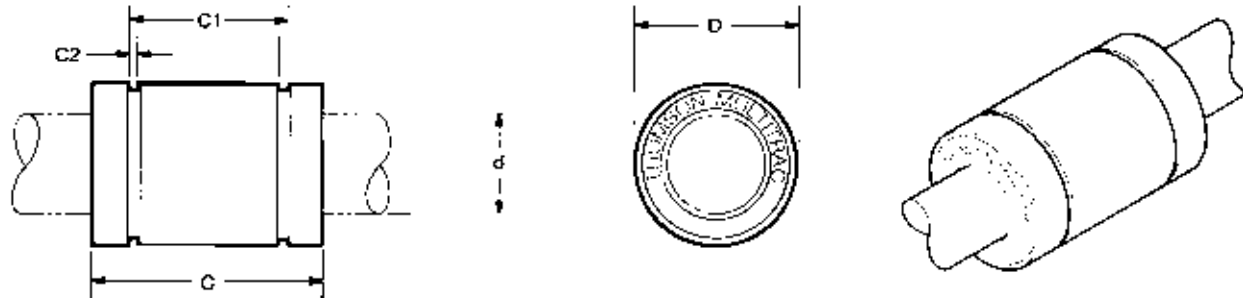
Part Number Description and Specification

Super Smart Ball Bushing Bearings (Closed Type) for End-Supported Applications



Not all options are available in all sizes.
See catalog pages or contact Thomson Customer Support for combination availability.
For additional information on bearing options, see page 263.

MultiTrac® Ball Bushing® Bearings (Closed Type)



MultiTrac Ball Bushing Linear Bearings (Closed Type) (Dimensions in mm)

| Part Number | | | d ⁽⁴⁾ | D | C h14 | C1 H13 | C2 min. | Number of ball tracks | Mass (kg) | Dynamic Load W ⁽¹⁾⁽³⁾ (N) | Load Limit W ₀ ⁽²⁾⁽³⁾ (N) |
|----------------------------|----------------------------|-----------------------------|------------------|----|----------|-----------|------------|--------------------------|-----------|--|---|
| Without Integral Wipers | With one Integral Wiper | With two Integral Wipers | | | | | | | | | |
| MAM08 | MAM08W | MAM08WW | 8 | 16 | 25 | 16.2 | 1.10 | 4 | 0.02 | 180 | 330 |
| MAM12 | MAM12W | MAM12WW | 12 | 22 | 32 | 22.6 | 1.30 | 5 | 0.04 | 350 | 880 |
| MAM16 | MAM16W | MAM16WW | 16 | 26 | 36 | 24.6 | 1.30 | 8 | 0.06 | 550 | 1300 |
| MAM20 | MAM20W | MAM20WW | 20 | 32 | 45 | 31.2 | 1.60 | 8 | 0.11 | 1000 | 2360 |
| MAM25 | MAM25W | MAM25WW | 25 | 40 | 58 | 43.7 | 1.85 | 8 | 0.20 | 1980 | 5100 |
| MAM30 | MAM30W | MAM30WW | 30 | 47 | 68 | 51.7 | 1.85 | 8 | 0.33 | 2060 | 5800 |
| MAM40 | MAM40W | MAM40WW | 40 | 62 | 80 | 60.3 | 2.15 | 8 | 0.63 | 3820 | 9250 |

(1) For rated travel life of 100 km. For longer travel lives, reduce load to $W \cdot (100/L)^{0.33}$ 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 loads do not exceed the Load Limit.

(3) For diametral clearance, see Table 1.

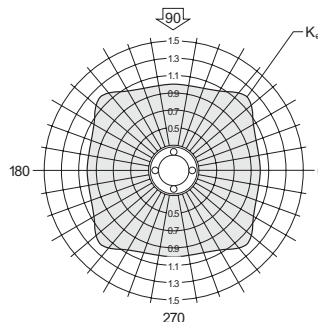
NOTE: For part number description and specifications, see page 149.

NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical data, see Engineering Support section.

Table 1 - Standard Diametral Clearances Closed Type

| Nominal Size d (mm) | Diametral Clearance (μm) |
|------------------------|--------------------------------|
| 8 | +15 +3 |
| 12 | +19 +3 |
| 16 | +19 +3 |
| 20 | +22 +4 |
| 25 | +22 +4 |
| 30 | +22 +4 |
| 40 | +27 +5 |

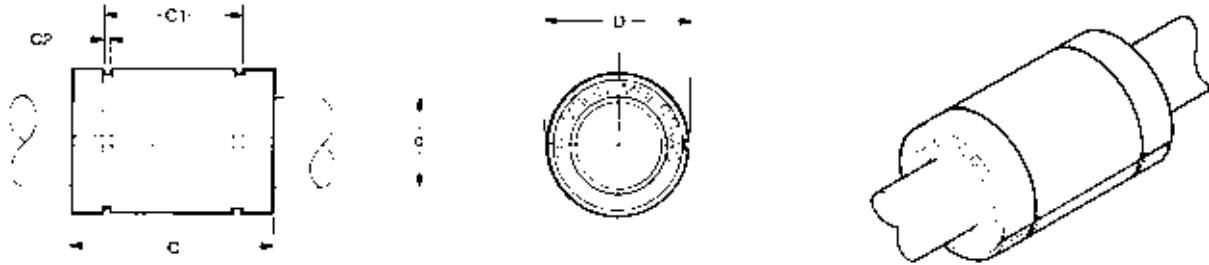


MAM16 MAM16ADJ
MAM20 MAM20ADJ
MAM25 MAM25ADJ
MAM30 MAM30ADJ
MAM40 MAM40ADJ

For closed type bearings with LinearRace® shaft, h6 tolerance

MultiTrac Ball Bushing Linear Bearings

(Closed adjustable type)



MultiTrac Ball Bushing Linear Bearings (Closed Adjustable Type) (Dimensions in mm)

| Part Number | | | d ⁽⁴⁾ | D | C h14 | C1 H13 | C2 min. | Number of ball tracks | Mass (kg) | Dynamic Load W ⁽¹⁾⁽³⁾ (N) | Load Limit W ₀ ⁽²⁾⁽³⁾ (N) |
|----------------------------|----------------------------|-----------------------------|------------------|----|----------|-----------|------------|--------------------------|-----------|--|---|
| Without Integral Wipers | With one Integral Wiper | With two Integral Wipers | | | | | | | | | |
| MAM08ADJ | MAM08ADJW | MAM08ADJWW | 8 | 16 | 25 | 16.2 | 1.10 | 4 | 0.002 | 180 | 330 |
| MAM12ADJ | MAM12ADJW | MAM12ADJWW | 12 | 22 | 32 | 22.6 | 1.30 | 6 | 0.04 | 350 | 880 |
| MAM16ADJ | MAM16ADJW | MAM16ADJWW | 16 | 26 | 36 | 24.6 | 1.30 | 8 | 0.06 | 550 | 1300 |
| MAM20ADJ | MAM20ADJW | MAM20ADJWW | 20 | 32 | 45 | 31.2 | 1.60 | 8 | 0.11 | 1000 | 2360 |
| MAM25ADJ | MAM25ADJW | MAM25ADJWW | 25 | 40 | 58 | 43.7 | 1.85 | 8 | 0.20 | 1980 | 5100 |
| MAM30ADJ | MAM30ADJW | MAM30ADJWW | 30 | 47 | 68 | 51.7 | 1.85 | 8 | 0.33 | 2060 | 5800 |
| MAM40ADJ | MAM40ADJW | MAM40ADJWW | 40 | 62 | 80 | 60.3 | 2.15 | 8 | 0.63 | 3820 | 9250 |

(4) The load capacities W and W₀ 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_q should be applied to W and W₀ respectively. Open type bearings have reduced load capacities when used in pull-off situations.

(5) Diametral fit-up is determined by the housing diameter. See Table 2.

NOTE: For part number description and specifications, see page 149.

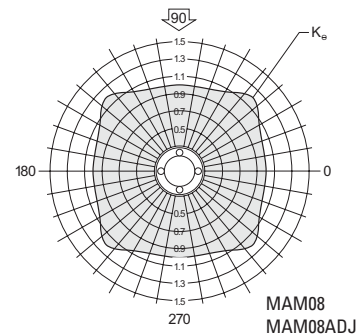
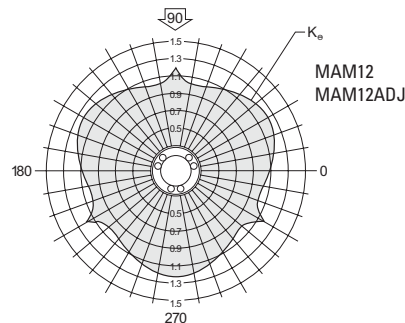
NOTE: External seals and retaining are available. See page 168 for specifications.

NOTE: For additional technical information, see the Engineering section beginning on page 252.

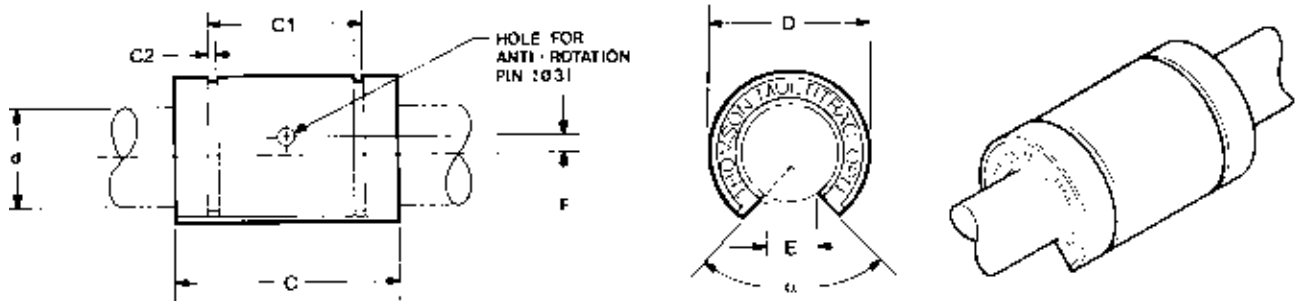
**Table 2 -
Standard Diametral Clearances
Adjustable and Open Type**

| Nominal Shaft Diameter d (mm) | Diametral Housing Bore H6 (μm) |
|-------------------------------------|-----------------------------------|
| 8 | +28 +7 |
| 12 | +33 +9 |
| 16 | +33 +9 |
| 20 | +40 +10 |
| 25 | +40 +10 |
| 30 | +40 +10 |
| 40 | +48 +12 |

For adjustable and open type bearings with
LinearRace shaft, h6 tolerance



MultiTrac® Ball Bushing® Bearings (Open Type)



MultiTrac Ball Bushing Linear Bearings (Open Type) (Dimensions in mm)

| Part Number | | | d ⁽⁴⁾ | D | C h14 | C1 H13 | C2 min. | E | F | Angle α (deg) | Number of ball tracks | Mass (kg) | Dynamic Load W ⁽¹⁾⁽³⁾ (N) | Load Limit W ₀ ⁽²⁾⁽³⁾ (N) |
|----------------------------|----------------------------|-----------------------------|------------------|----|----------|-----------|------------|------|---------------------|---------------------|-----------------------------|--------------|--|---|
| Without Integral Wipers | With one Integral Wiper | With two Integral Wipers | | | | | | | | | | | | |
| MAM120PN | MAM120PNW | MAM120PNWW | 12 | 22 | 32 | 22.6 | 1.30 | 7.3 | 1.35 | 120 | 4 | 0.04 | 440 | 1100 |
| MAM160PN | MAM160PNW | MAM160PNWW | 16 | 26 | 36 | 24.6 | 1.30 | 10.6 | 0 | 90 | 6 | 0.06 | 600 | 1500 |
| MAM200PN | MAM200PNW | MAM200PNWW | 20 | 32 | 45 | 31.2 | 1.60 | 11.5 | 0 | 90 | 6 | 0.11 | 1100 | 2720 |
| MAM250PN | MAM250PNW | MAM250PNWW | 25 | 40 | 58 | 43.7 | 1.85 | 13.9 | 1.50 ⁽⁶⁾ | 90 | 6 | 0.20 | 2170 | 5300 |
| MAM300PN | MAM300PNW | MAM300PNWW | 30 | 47 | 68 | 51.7 | 1.85 | 20.3 | 2.00 | 90 | 6 | 0.33 | 2260 | 6710 |
| MAM400PN | MAM400PNW | MAM400PNWW | 40 | 62 | 80 | 60.3 | 2.15 | 20.9 | 1.50 | 90 | 6 | 0.63 | 4200 | 10700 |

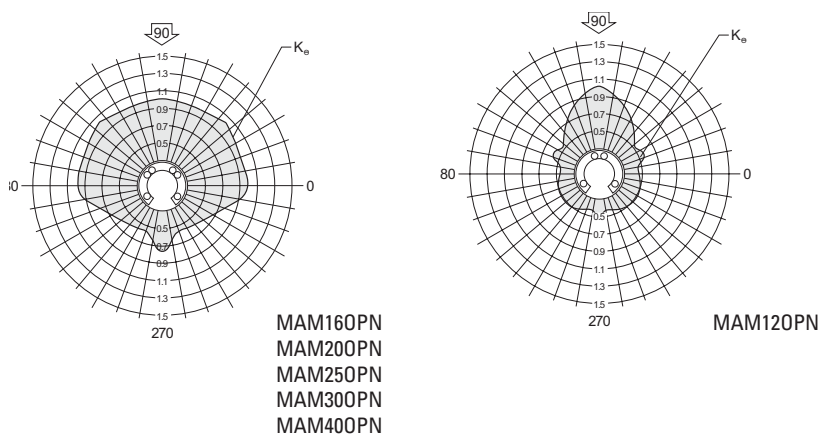
(6) Hole for anti-rotation pin is below centerline.

For footnotes 1-5, see pages 146-147.

NOTE: For part number description and specifications, see page 149.

NOTE: External seals and retaining rings are available. See page 168 for specifications.

NOTE: For additional technical information, see the Engineering section beginning on page 252.



MultiTrac Ball Bushing Bearings

Thomson MultiTrac Ball Bushing Bearings are designed with greater rigidity and up to twice the load capacity of conventional linear bearings. The design incorporates a one-piece, bearing-quality, steel sleeve (see Figure 1) for maximum rigidity. The single-piece, engineered-polymer ball retainer provides smooth, quiet operation.

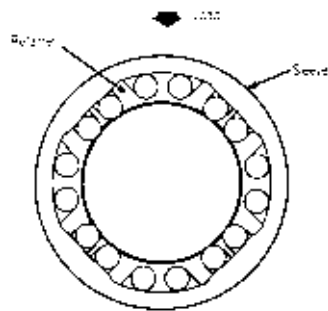


Figure 1

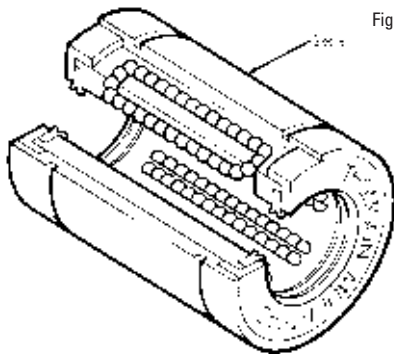


Figure 2

Twice the Load Capacity

The bearing's load capacity is improved by the optimal positioning of the load tracks. This places the maximum number of load-bearing balls in the load zone (see Figure 1).

High Speed Operation

The advanced design also improves the bearing's ball control. This allows accelerations as high as 150 m/s^2 and travel speeds up to 3 m/s .

Integral Seals

The bearing includes double-acting integral wipers, which keep out dirt, grit and other contaminants, and retain bearing lubrication.

Improved Ball Control

Through advanced, computer-aided design techniques, ball control improvements assure smooth entry and exit of the balls in and out of the load zone.

Ideal for Corrosive Environments

Optional stainless steel (440C) resists rust and corrosion.

BONDY

INDUSTRIAL EQUIPMENT SUPPLIER



Transmission



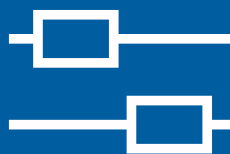
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