

SUPER32



Super Ball Bushing Bearing

SUPER, Ball Bushing Bearing, 2.000, Self-Aligning, Closed Type, Non-Adjustable, Not Corrosion Resistant

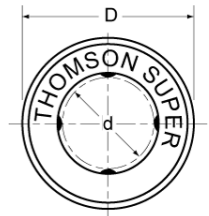
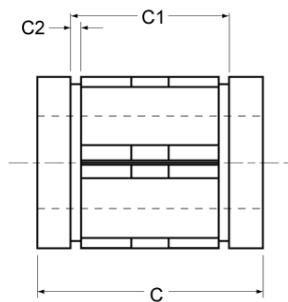
Lead Time: Next Day

\$260.74 each[†]

- The Super Ball Bushing bearing is self-aligning, lightweight and adjustable with a low coefficient of friction.
- The wear-resistant, engineered-polymer retainers and outer sleeves reduce inertia and noise in critical, high speed applications.
- Radially floating bearing plates. When installed in an adjustable housing, the Super Ball Bushing Bearing may be adjusted to a specific diametrical fit-up for accurate and repeatable movement.

[†]The price shown here is the North American List Price for general reference only. Please Contact Thomson for actual net price and current delivery schedule which will vary with geographic region, quantity ordered and distribution channel. Estimated costs for shipping, packaging and import taxes/duty are not included in this list price. Please contact Thomson Customer Support for more information.

Dimensions



Dimension	Value
C	101.60 mm (4.000 in)
C1	81.10 mm (3.193 in)
C2	2.67 mm (0.105 in)
d	50.80 mm (2.000 in)
D	76.20 mm (3.000 in)

Specifications

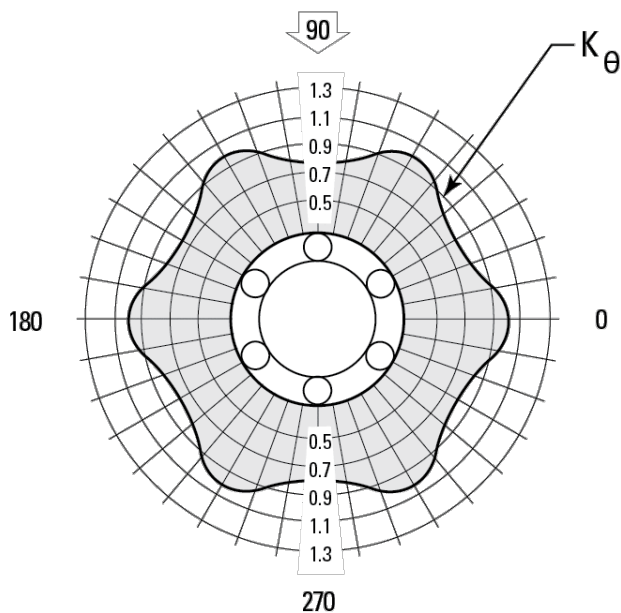
Specifications	Value
Adjustable/Not Adjustable	Adjustable
Closed/Open	Closed
Number of Ball Circuits	6
Roll Pack	No Roll Pack
Food Grade Rated	Not Food Grade
Self Alignment	Self-aligning

Specifications	Value
Single/Twin	Single
Temperature Max	85 °C / 185 °F
Use with shafting class	L
Wipers, Seals	
Weight	0.658 kg / 1.45 lbs
Nominal Diameter	50.800 mm / 2 in
Outer Diameter	76.200 mm / 3 in
Length	101.600 mm / 4 in

Performance

Load Correction Factor, K_{θ}

Performance	Value
Load Capacity, Dynamic	13,344.665 N / 3000 lbf



The actual dynamic load capacity of a Ball Bushing Bearing is determined by the direction of the applied load relative to the bearing circuits. The load correction factor K is found by referring to the polar graph. To determine the actual dynamic load capacity, multiply the proper correction factor (K) by the dynamic load capacity.

Travel Life

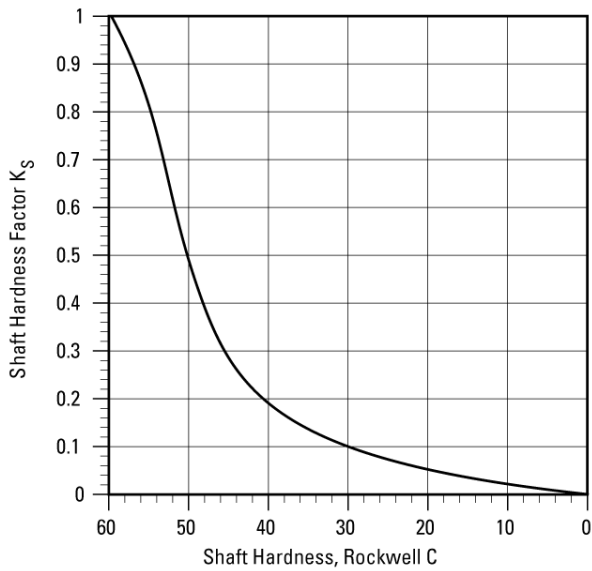
The following formula may be used to determine travel life for bearings with imperial units:

$$L_m = \left(\frac{W}{P} \cdot K_\theta \cdot K_s \right)^3 \cdot 2 \cdot 10^6 \text{ inches}$$

Where: L_m = travel life (in)
 W = dynamic load capacity rating (lbf)
 P = resultant from externally applied loads (lbf)
 K_θ = load correction factor
 K_s = shaft hardness factor

Shaft Hardness factor, K_s

For shafts that do not meet hardness 60 HRC, shaft hardness factor K_s must be applied.



Order Code

SUPER16DD-CR

Type	Description	Size	Nominal Diameter	Seals Options	Ball Options	Lube Options	Other Options
SUPER	Super Ball Bushing bearings	3	.188	Blank No Seals	Option Description	DP Dry Pack	RP Roll Pack (no box)
		4	.250	DD Integral Seals	CR Corrosion Resistant	LL Lubricated with Thomson Linear Lube	
		6	.375		NB Nylon Balls		
		8	.500		NBA Alternating Nylon Balls		
		10	.625				
		12	.750				
		16	1.000				
		20	1.250				
		24	1.500				
		32	2.000				

Related Products



2 L CTL

2" Shafting, L Class, Cut to Length

<https://www.thomsonlinear.com/en/product/2 L CTL>