The Timken Company
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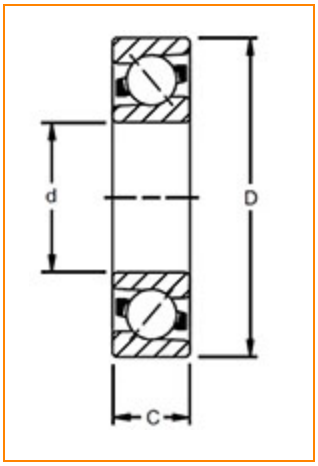
Part Number 7218 BM/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

Timken® angular contact ball bearings are designed for combination radial and axial loading. Single-row bearings have high thrust capacity in one direction. Some single-row bearings are specifically designed for duplex mounting in sets for maximum performance.



Dimensions | Basic Load Ratings | Factors | Specifications | Abutment and Fillet Dimensions

Dimensions

d - Bore	90.00 mm 3.5433 in
D - Outer Diameter	160.00 mm 6.2992 in
Bearing Width	30.00 mm 1.1811 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	93700 N 21060 lbf

C1 ISO - Dynamic Radial Rating	106600 N 23960 lbf

Factors

Limiting Speed (Grease)	3800 rpm
Limiting Speed (Oil)	5000 rpm

Specifications

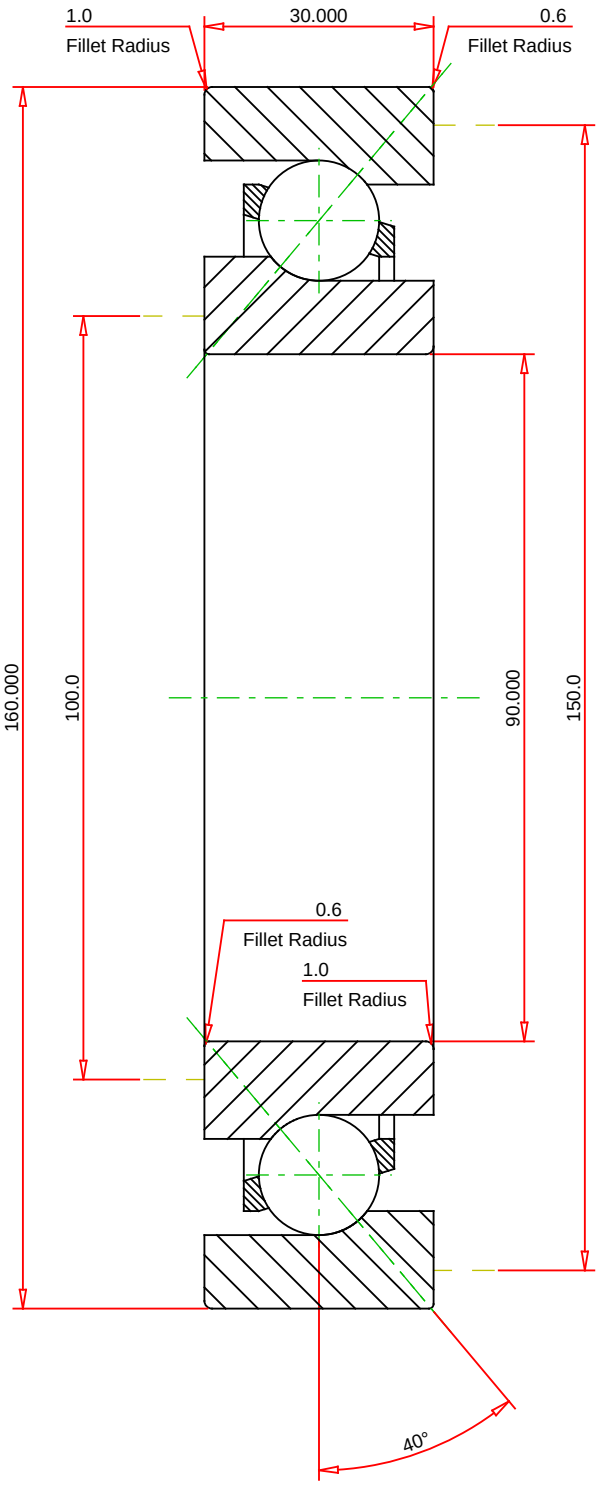
Ball Type	STEEL
Cage Type	Machined
Cage Material	Brass
Bearing Weight	2.50 Kg 5.512 lb
Design Units	METRIC
R - Inner Ring "Touch" Radius	0.6
r - Outer Ring "Touch" Radius	0.6
Features	Open

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[1]	1.00 mm 0.039 in
r - Outer Ring "To Clear" Radius[2]	1.00 mm 0.039 in
da - Inner Ring Backing Diameter	100.0 mm 3.937 in
Da - Outer Ring Backing	150.0 mm

Diameter	5.906 in

[1] Maximum housing fillet radius that bearing corners will clear.
[2] Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Balls Per Row	16	
Bearing Weight	2.500	kg

TIMKEN®

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NORTH CANTON, OHIO USA

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(7200, 7300)

Dynamic Radial Rating	106600	N
Static Radial Rating	93700	N

FOR DISCUSSION ONLY