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Part Number 7322 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.
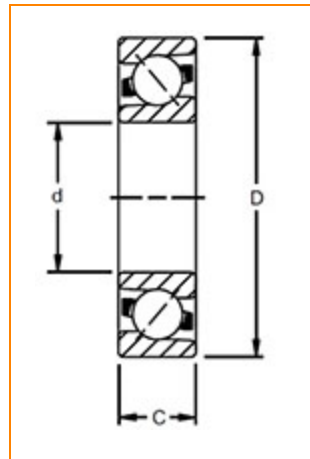
Dimensions | Basic Load Ratings | Factors | Specifications | Abutment and Fillet Dimensions

Dimensions −

d - Bore	110.00 mm 4.3307 in
D - Outer Diameter	240.00 mm 9.4488 in
Bearing Width	50.00 mm 1.9685 in
Contact Angle	40 °

Basic Load Ratings −

C0 - Static Radial Rating	207000 N 46526 lbf

C1 ISO - Dynamic Radial Rating	213000 N 47875 lbf

Factors −

Limiting Speed (Grease)	2700 rpm
Limiting Speed (Oil)	3700 rpm

Specifications −

Ball Type	STEEL
Cage Type	Machined
Cage Material	Brass
Bearing Weight	11.20 Kg 24.695 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]	1.10 mm 0.043 in
r - Outer Ring "To Clear" Radius[2]	1.10 mm 0.043 in
da - Inner Ring Backing Diameter	124.0 mm 4.882 in
Da - Outer Ring Backing	226.0 mm

Diameter	8.898 in

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

1.1
Fillet Radius

50.000

0.6
Fillet Radius

240.000

124.0

110.000

226.0

0.6
Fillet Radius

1.1
Fillet Radius

40°
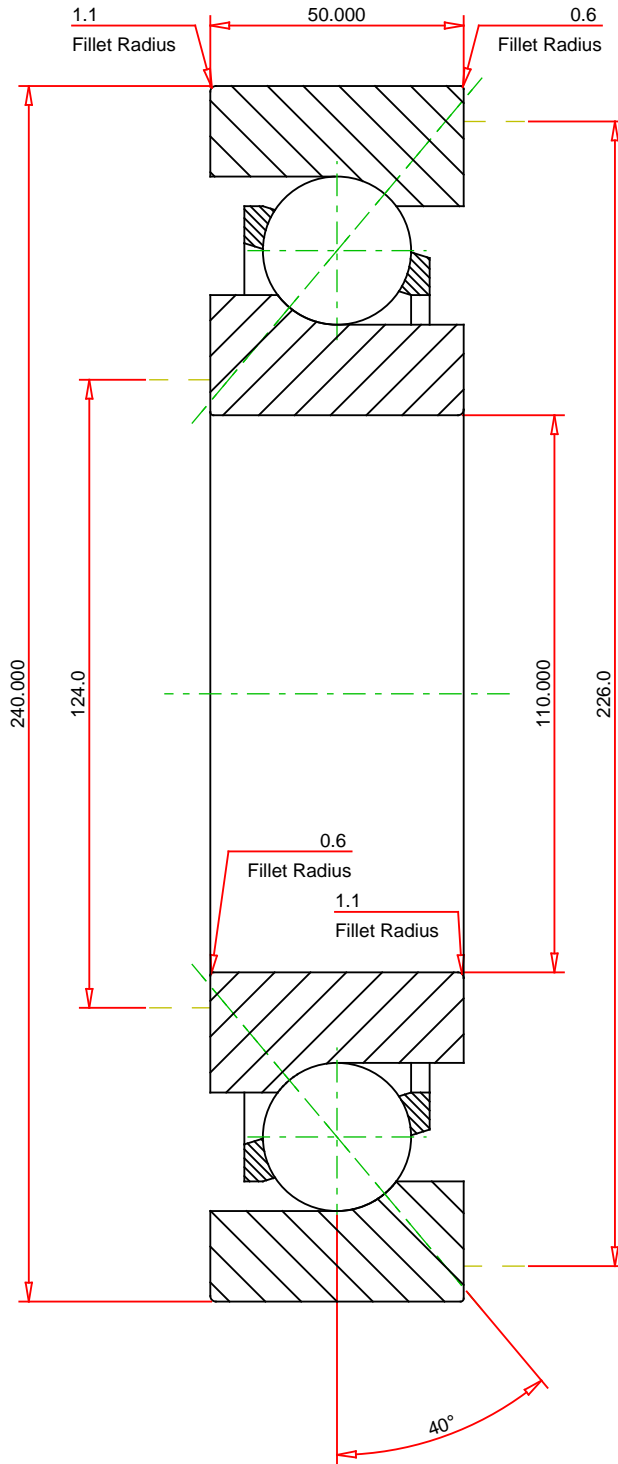
METRIC UNITS

Number of Balls Per Row	11
Bearing Weight	11.200 kg

TIMKEN®

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NORTH CANTON, OHIO USA

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(7200, 7300)

Dynamic Radial Rating	213000	N
Static Radial Rating	207000	N

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

FOR DISCUSSION ONLY