TIMKEN

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Part Number 7226 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.
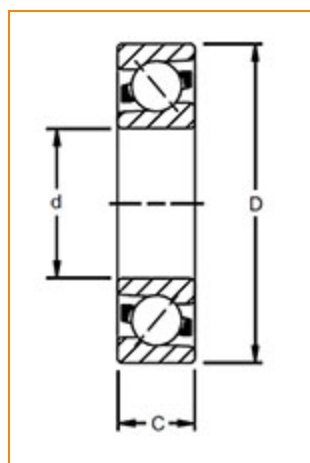
Dimensions | Basic Load Ratings | Factors | Specifications | Abutment and Fillet Dimensions

Dimensions ―

d - Bore	130.00 mm 5.1181 in
D - Outer Diameter	230.00 mm 9.0551 in
Bearing Width	40.00 mm 1.5748 in
Contact Angle	40 °

Basic Load Ratings ―

C0 - Static Radial Rating	174000 N 39109 lbf

C1 ISO - Dynamic Radial Rating	171000 N 38435 lbf

Factors −

Limiting Speed (Grease)	2500 rpm
Limiting Speed (Oil)	3400 rpm

Specifications −

Ball Type	STEEL
Cage Type	Machined
Cage Material	Brass
Bearing Weight	7.15 Kg 15.765 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	144.0 mm 5.669 in
Da - Outer Ring Backing	216.0 mm

Diameter	8.504 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

40.000

0.6
Fillet Radius

230.000

144.0

130.000

216.0

0.6
Fillet Radius

1.1
Fillet Radius

40°
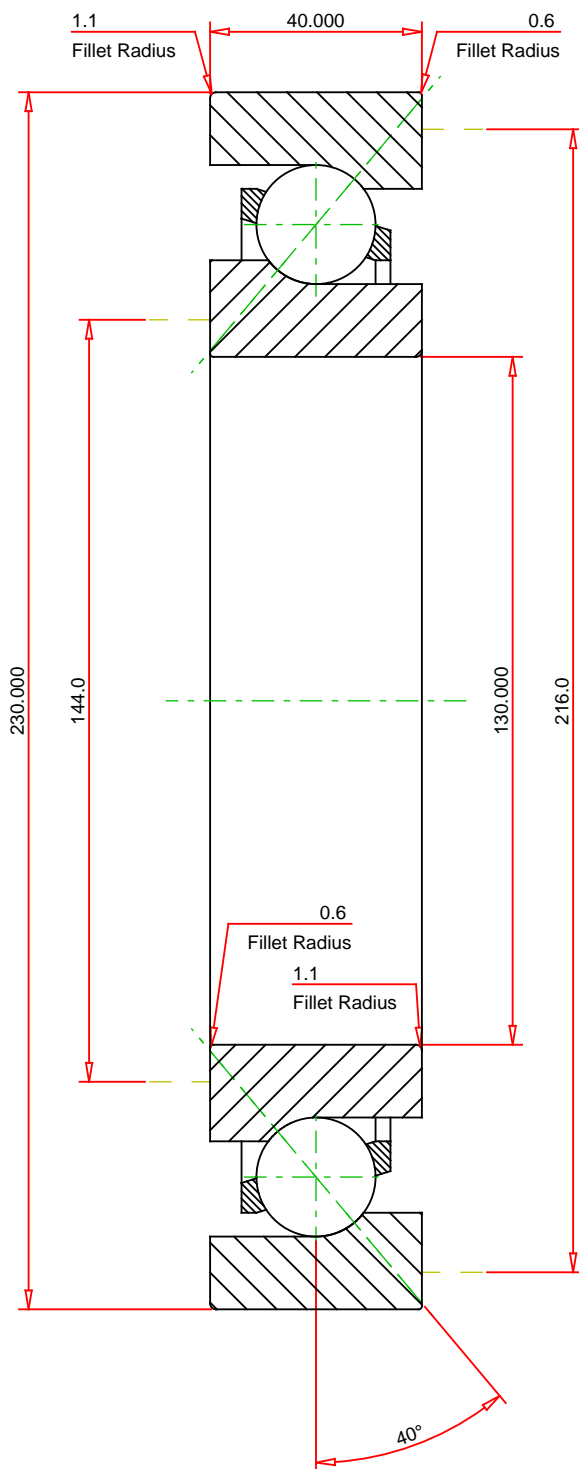
METRIC UNITS

Number of Balls Per Row	16	
Bearing Weight	7.150	kg

TIMKEN ®

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NORTH CANTON, OHIO USA

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(7200, 7300)

Dynamic Radial Rating	171000	N
Static Radial Rating	174000	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