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Timken Part Number 7216WN, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	80.000 mm 3.1496 in
D - Outer Diameter	140.000 mm 5.5118 in
Bearing Width	26.000 mm 1.0236 in
Contact Angle	40 °
do - Ball Diameter	19.05000 mm 0.75000 in

Basic Load Ratings

C0 - Static Radial Rating	65500 N 15600 lbf
Ce - Dynamic Radial Rating[1]	91500 N 20400 lbf

Factors

Limiting Speed (Grease)	2730 rpm
Limiting Speed (Oil)	3640 rpm

Specifications

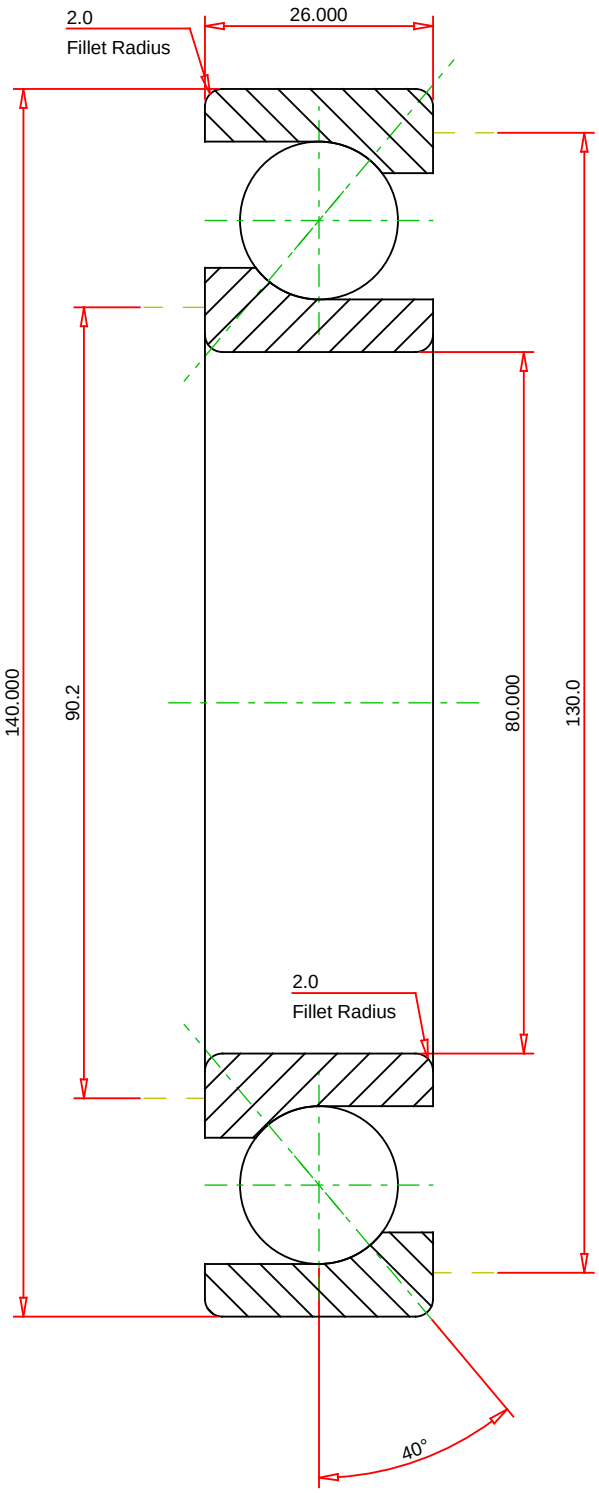
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	1.483 Kg 3.27 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	2.000 mm 0.079 in
r - Outer Ring "To Clear" Radius[3]	2.000 mm 0.079 in
da - Inner Ring Backing Diameter	90.200 mm 3.550 in
Da - Outer Ring Backing Diameter	130.000 mm 5.120 in

[1] Based on 10^6 revolutions of calculated fatigue life.

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



METRIC UNITS

Number of Balls Per Row	16	
Bearing Weight	1.483	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7216WN

Fafnir® Single Row Angular Contact Ball Bearings
(7200, 7300, 7400)

Dynamic Radial Rating	91500	N
Static Radial Rating	65500	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