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Timken Part Number 7203W, 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 | Specifications | Abutment and Fillet Dimensions

Dimensions

d - Bore	17.000 mm 0.6693 in
D - Outer Diameter	40.000 mm 1.5748 in
Bearing Width	12.000 mm 0.4727 in
Contact Angle	20 °
do - Ball Diameter	7.143750 mm 0.281250 in

Basic Load Ratings

C0 - Static Radial Rating	6930 N 1560 lbf
Ce - Dynamic Radial Rating[1]	14200 N 3200 lbf

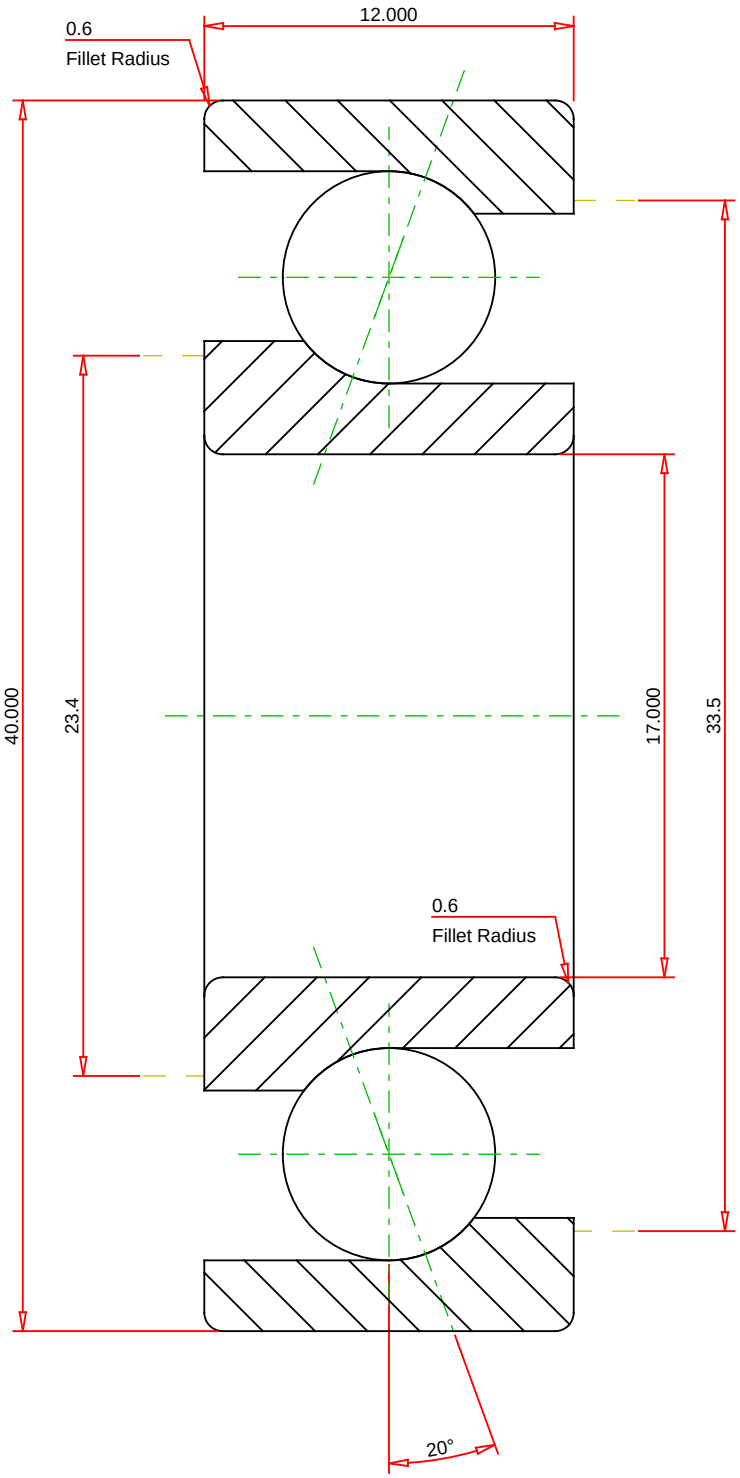
Specifications

Ball Type	Steel
Cage Type	Nylon Cage
Bearing Weight	0.068 Kg 0.15 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.600 mm 0.024 in
r - Outer Ring "To Clear" Radius[3]	0.600 mm 0.024 in
da - Inner Ring Backing Diameter	23.410 mm 0.9215 in
Da - Outer Ring Backing Diameter	33.500 mm 1.319 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	11	
Bearing Weight	0.068	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7203W

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

Dynamic Radial Rating	14200	N
Static Radial Rating	6930	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