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Timken Part Number 5209W, Fafnir® Double Row Angular Contact Ball Bearings (5200, 5300, 5400)



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

Dimensions

d - Bore	45.000 mm 1.7717 in
D - Outer Diameter	85.000 mm 3.3456 in
C - Ring Width	30.170 mm 1.1880 in
Contact Angle	30 °
do - Ball Diameter	11.90800 mm 0.46900 in

Basic Load Ratings

C0 - Static Radial Rating	51500 N 11600 lbf
Ce - Dynamic Radial Rating[1]	64800 N 14600 lbf

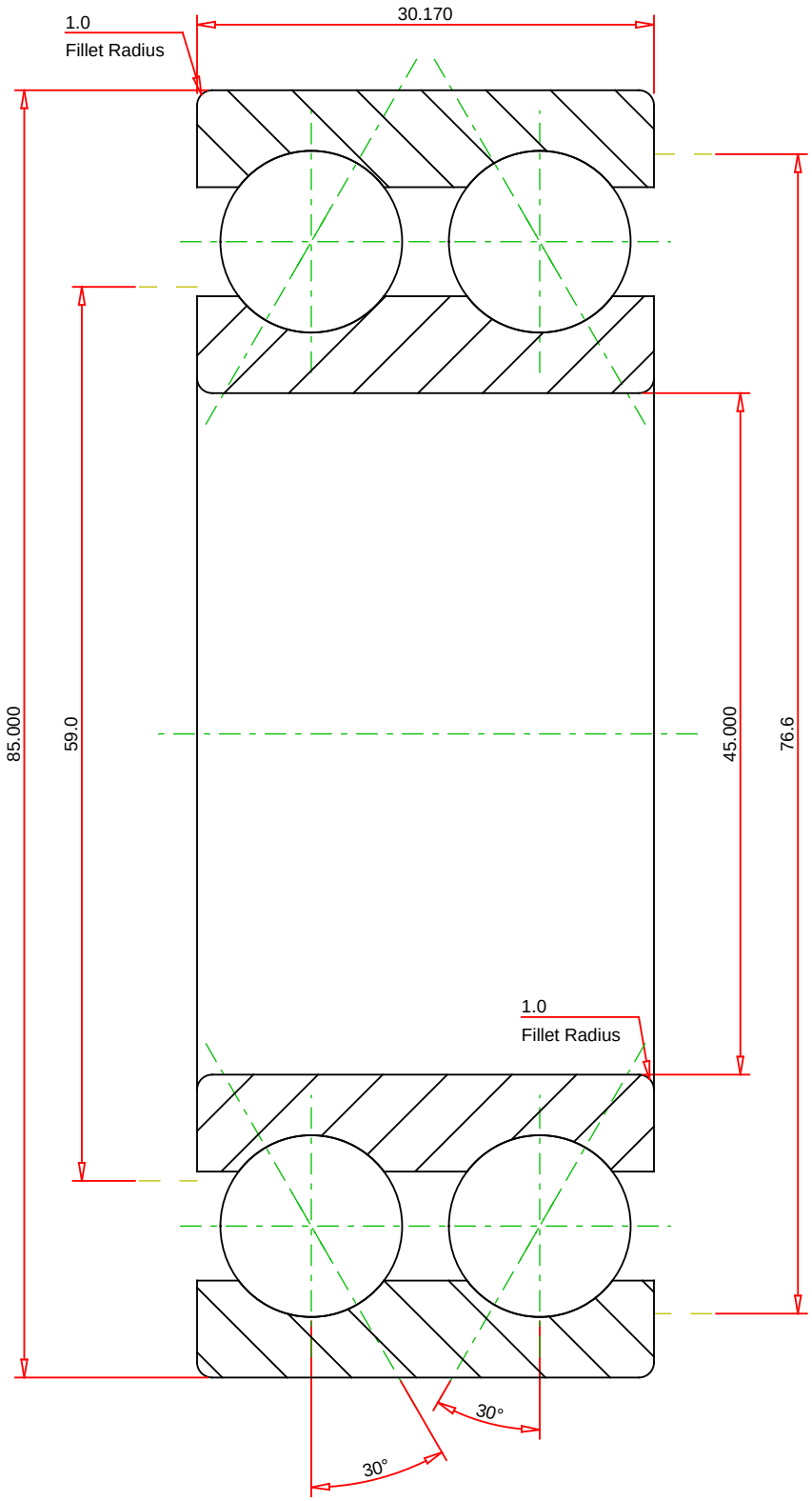
Specifications

Ball Type	Steel
Cage Type	Snap In
Bearing Weight	0.699 Kg 1.54 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius[3]	1.000 mm 0.039 in
da - Inner Ring Backing Diameter	59.030 mm 2.324 in
Da - Outer Ring Backing Diameter	76.560 mm 3.014 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	14	
Bearing Weight	0.699	kg

TIMKEN®

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NORTH CANTON, OHIO USA

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(5200, 5300, 5400)

Dynamic Load Rating	64800	N
Static Load Rating	51500	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.

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