


The Timken Company

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Timken Part Number 5210K, Fafnir® Double Row Angular Contact Ball Bearings (5200, 5300, 5400)



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Dimensions

d - Bore	50.000 mm 1.9685 in
D - Outer Diameter	90.000 mm 3.5433 in
C - Ring Width	30.170 mm 1.1880 in
Contact Angle	20 °
do - Ball Diameter	12.70000 mm 0.50000 in

Basic Load Ratings

C0 - Static Radial Rating	44400 N 10000 lbf
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Ce - Dynamic Radial Rating¹	62000 N 14000 lbf
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Specifications

Ball Type	Steel
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Cage Type	Snap In
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Bearing Weight	0.753 Kg 1.66 lb
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Design Units	METRIC
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1.000 mm 0.039 in
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r - Outer Ring "To Clear" Radius³	1.000 mm 0.039 in
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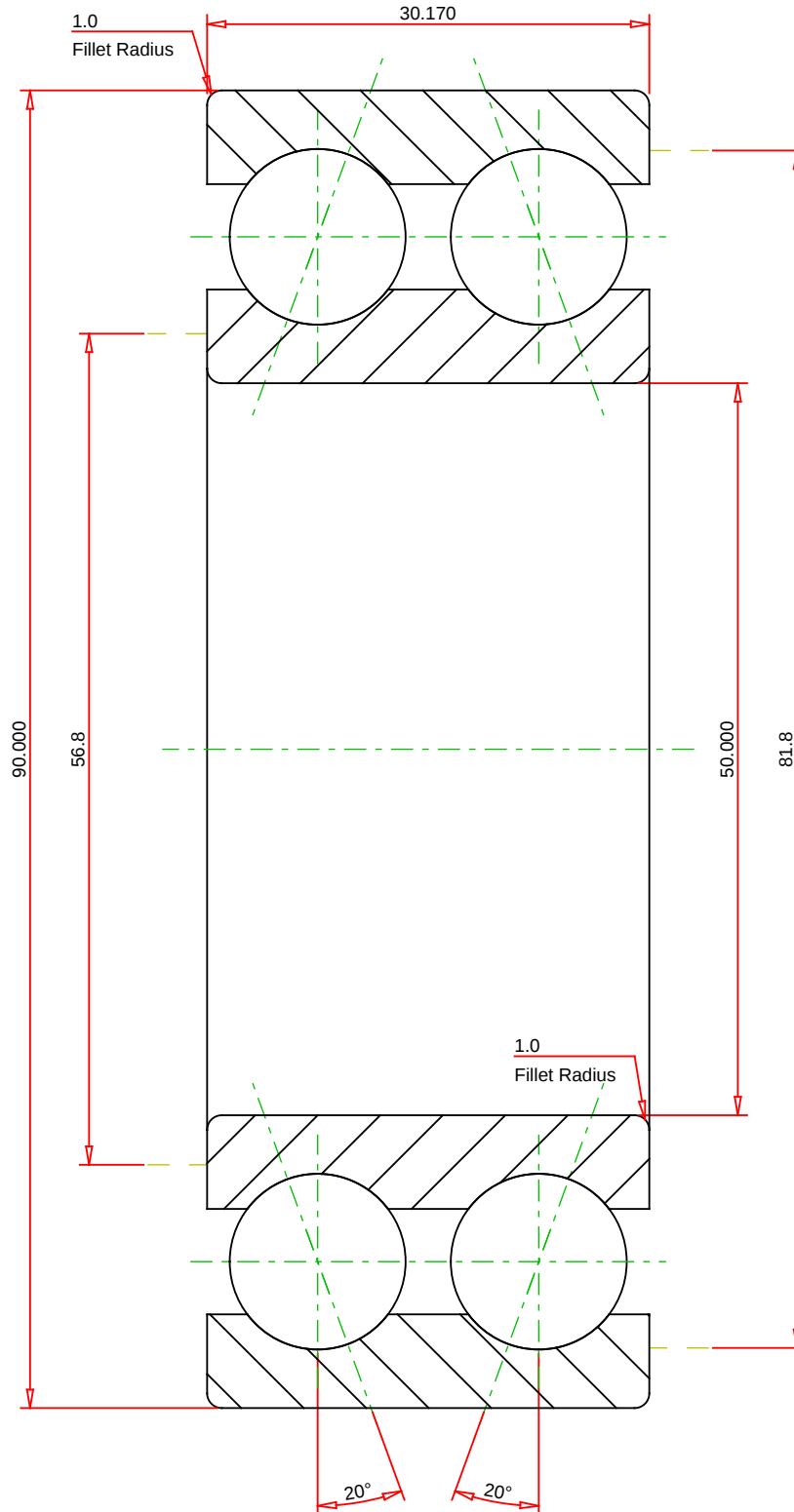
da - Inner Ring Backing Diameter	56.769 mm 2.235 in
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Da - Outer Ring Backing Diameter	81.788 mm 3.220 in
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¹ Based on 10⁶ revolutions of calculated fatigue life.

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 Bearing Weight	10 0.753 kg	TIMKEN®	5210K Fafnir® Double Row Angular Contact Ball Bearings (5200, 5300, 5400)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA	Dynamic Load Rating	62000 N
			Static Load Rating	44400 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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