TIMKEN

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Part Number 7201 BTN1/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.

TIMKEN®
REPRESENTATIVE IMAGE
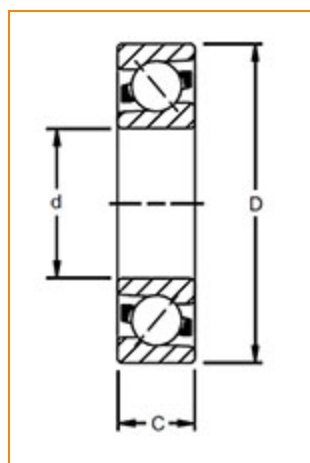
Dimensions | Basic Load Ratings | Factors | Specifications | Abutment and Fillet Dimensions

Dimensions —

d - Bore	12.00 mm
0.4724 in
D - Outer Diameter	32.00 mm
1.2598 in
Bearing Width	10.00 mm
0.3937 in
Contact Angle	40 °

Basic Load Ratings —

C0 - Static Radial Rating	3700 N
832 lbf

C1 ISO - Dynamic Radial Rating	7400 N 1663 lbf

Factors −

Limiting Speed (Grease)	21000 rpm
Limiting Speed (Oil)	28000 rpm

Specifications −

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	0.04 Kg 0.088 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]	0.30 mm 0.012 in
r - Outer Ring "To Clear" Radius[2]	0.30 mm 0.012 in
da - Inner Ring Backing Diameter	17.0 mm 0.669 in
Da - Outer Ring Backing	27.0 mm

Diameter	1.063 in

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

0.3
Fillet Radius

10.000

0.6
Fillet Radius

0.6
Fillet Radius

0.3
Fillet Radius

32.000

17.0

12.000

27.0

40°
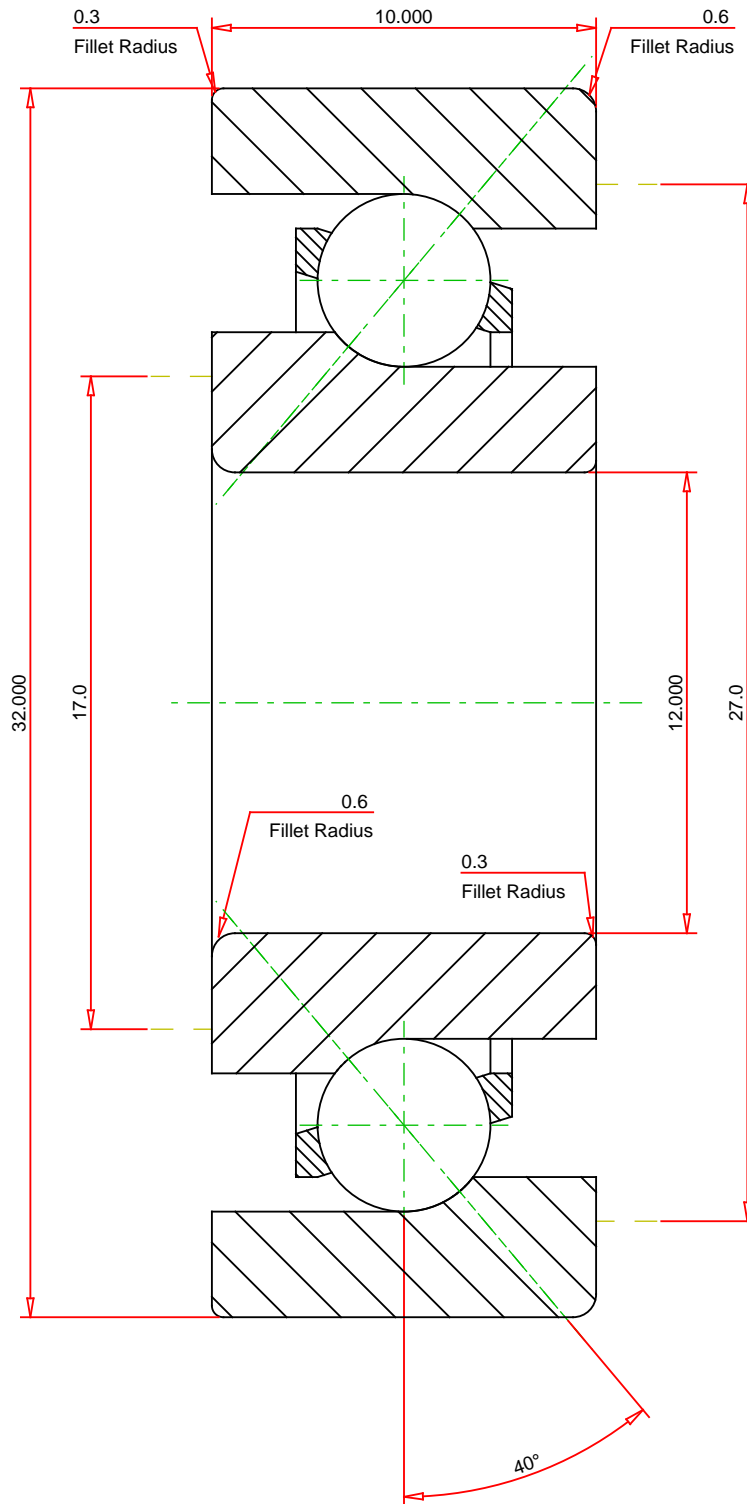
METRIC UNITS

| Number of Balls Per Row | 10 | |
| Bearing Weight | 0.040 | kg |

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(7200, 7300)

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

| Dynamic Radial Rating | 7400 | N |
| Static Radial Rating | 3700 | N |

FOR DISCUSSION ONLY