

TIMKEN**The Timken Company**

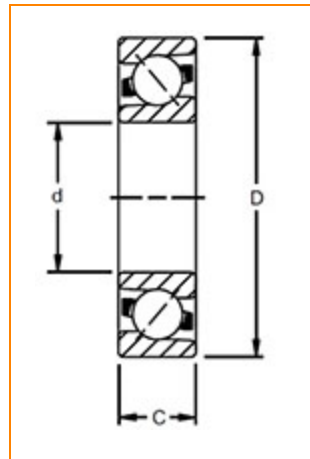
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Part Number 7302 BTN1/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

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.



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Dimensions

d - Bore	15.00 mm 0.5906 in
D - Outer Diameter	42.00 mm 1.6535 in
Bearing Width	13.00 mm 0.5118 in
Contact Angle	40 °

Basic Load Ratings



C0 - Static Radial Rating

6600 N
1483 lbf

C1 ISO - Dynamic Radial Rating	13000 N 2922 lbf
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Factors

Limiting Speed (Grease)	17000 rpm
Limiting Speed (Oil)	22000 rpm

Specifications

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	0.06 Kg 0.132 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" Radius¹	0.60 mm 0.024 in
r - Outer Ring "To Clear" Radius²	0.60 mm 0.024 in
da - Inner Ring Backing Diameter	21.0 mm 0.827 in
Da - Outer Ring Backing	36.0 mm

Diameter

1.417 in

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

