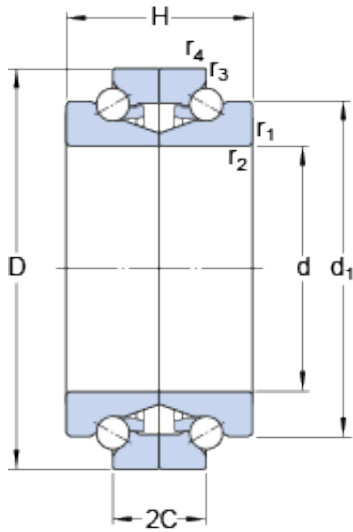




SUPER PRECISION BEARINGS MANUFACTURER



BTW 85 CTN9/SP Bearing 2D drawings and 3D CAD models

SKF BTW 85 CTN9/SP Precision Angular Contact Ball Bearing

Bearing No. BTW 85 CTN9/SP

Size	85x130x54 mm
Bore Diameter	85 mm
Outer Diameter	130 mm
Width	54 mm
d	85 mm
D	130 mm
H	54 mm
d ₁	111.2 mm
2C	27 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	102 mm
D _a - min.	122.3 mm
D _a - max.	124 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	48.8 kN
Basic static load rating - C ₀	146 kN
Fatigue load limit - P _u	6.7 kN
Limiting speed for grease lubrication	5600 r/min
Limiting speed for oil lubrication	6700 mm/min
Preload	600 N
Static Axial rigidity	763 N/micron



SUPER PRECISION BEARINGS MANUFACTURER

G _{ref}	11.2 cm
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	60 Degree
Raceway Style	Not Applicable
Cage Material	Polyamide
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Double Row Angular Contact Thrust Bearing Double Direction
Long Description	85MM Bore; 130MM Outside Diameter; 54MM Width; Open Enclosure; ABEC 5 ISO P5 Precision; Steel Ball Material; 1 (Single) Bearing; 60 Degree Contact Angle; Polyamide Cage Material; Ball Bearing
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword 3	Thrust
Keyword String	Ball Angular Contact Thrust
Manufacturer URL	http://www.skf.com



SUPER PRECISION BEARINGS MANUFACTURER

Weight / LBS	4.51947
Bore	3.346 Inch 85 Millimeter
Outside Diameter	5.118 Inch 130 Millimeter
Width	2.126 Inch 54 Millimeter
d_1	111.2 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	102 mm
D_a min.	122.3 mm
D_a max.	124 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	48.8 kN
Basic static load rating C_0	146 kN
Fatigue load limit P_u	6.7 kN
Attainable speed for grease lubrication	5600 r/min
Attainable speed for oil-air lubrication	6700 r/min
Static axial stiffness	763 N/ μ m
Reference grease quantity G_{ref}	11.2 cm ³
Mass bearing	2.05 kg