



BTW 110 CTN9/SP Bearing 2D drawings and 3D CAD models

SKF BTW 110 CTN9/SP TAB High Durability Ball Screw Support Bearing

Bearing No. BTW 110 CTN9/SP

Size	110x170x72 mm
Bore Diameter	110 mm
Outer Diameter	170 mm
Width	72 mm
d	110 mm
D	170 mm
H	72 mm
d ₁	145 mm
2C	36 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
d _a - min.	132 mm
D _a - min.	159.8 mm
D _a - max.	161 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	81.9 kN
Basic static load rating - C ₀	260 kN
Fatigue load limit - P _u	10.4 kN
Limiting speed for grease lubrication	4300 r/min
Limiting speed for oil lubrication	5000 mm/min
Preload	735 N
Static Axial rigidity	893 N/micron



Off-the-shelf SKF shaft Co., Ltd

G _{ref}	26.5 cm
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	7316574866601
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	110MM Bore; 170MM Outside Diameter; 72MM 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



Off-the-shelf SKF shaft Co., Ltd

Manufacturer URL	http://www.skf.com
Weight / LBS	10.36171
Width	2.835 Inch 72 Millimeter
Bore	4.331 Inch 110 Millimeter
Outside Diameter	6.693 Inch 170 Millimeter
d_1	145 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	132 mm
D_a min.	159.8 mm
D_a max.	161 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	81.9 kN
Basic static load rating C_0	260 kN
Fatigue load limit P_u	10.4 kN
Attainable speed for grease lubrication	4300 r/min
Attainable speed for oil-air lubrication	5000 r/min
Static axial stiffness	893 N/ μ m
Reference grease quantity G_{ref}	26.5 cm ³
Mass bearing	4.7 kg