



NUP 2203 ECP Bearing 2D drawings and 3D CAD models

NUP 2203 ECP SKF Thrust Ball Bearings

Bearing No. NUP 2203 ECP

Size	40x17x16 mm
Bore Diameter	40 mm
Outer Diameter	17 mm
Width	16 mm
d	17 mm
D	40 mm
B	16 mm
d ₁	25 mm
D ₁	32.35 mm
F	22.1 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
d _a - min.	20.7 mm
d _b - min.	27 mm
D _a - max.	36 mm
r _a - max.	0.6 mm
Basic dynamic load rating - C	23.8 kN
Basic static load rating - C ₀	21.6 kN
Fatigue load limit - P _u	2.6 kN
Reference speed	19000 r/min
Limiting speed	22000 r/min
Calculation factor - k _r	0.2
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF

Minimum Buy Quantity	N/A
Weight / Kilogram	0.103
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	No
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	High Capacity 1 Rib Inner Ring with Side Plate 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	17MM Bore; Straight Bore Profile; 40MM Outside Diameter; 16MM Width; Polymer Cage Matetrial; RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Ret
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NUP 2203 ECP
Weight / LBS	0.226

Bore	0.669 Inch 17 Millimeter
Outside Diameter	1.575 Inch 40 Millimeter
Width	0.63 Inch 16 Millimeter
bore diameter:	17 mm
static load capacity:	21.6 kN
outside diameter:	40 mm
precision rating:	Not Rated
overall width:	16 mm
maximum rpm:	22000 RPM
flanges:	(4) Flanges, Two-Piece Inner Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
outer ring width:	16 mm
ring separation:	Separable Ring
fillet radius:	0.6 mm
operating temperature range:	Maximum of +300 ° F
series:	NUP22
dynamic load capacity:	23.8 kN
d_1	25 mm
D_1	32.35 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	20.7 mm
d_b min.	27 mm
D_a max.	36 mm
r_a max.	0.6 mm
Basic dynamic load rating C	27.5 kN

Basic static load rating C_0	21.6 kN
Fatigue load limit P_u	2.65 kN
Calculation factor k_r	0.2
Limiting value e	0.3
Axial load factor Y	0.4
Mass bearing	0.097 kg