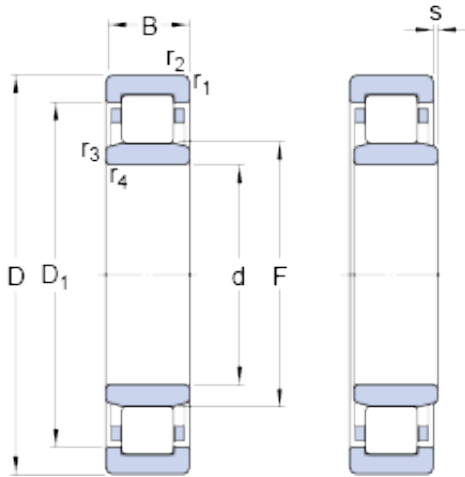




Timken BEARINGS INDUSTRY



35 mm x 80 mm x 31 mm SKF NU 2307 ECP thrust ball bearings

Bearing No. NU 2307 ECP

NU 2307 ECP Bearing 2D drawings and 3D CAD models

Size	80x35x31 mm
Bore Diameter	80 mm
Outer Diameter	35 mm
Width	31 mm
d	35 mm
D	80 mm
B	31 mm
D ₁	65.8 mm
F	46.2 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1.1 mm
s	2.7 mm
d _a - min.	42 mm
d _a - max.	44 mm
d _b - min.	48 mm
D _a - max.	72.2 mm
r _a - max.	1.5 mm
r _b - max.	1 mm
Basic dynamic load rating - C	106 kN
Basic static load rating - C ₀	98 kN
Fatigue load limit - P _u	12.7 kN
Reference speed	9500 r/min
Limiting speed	11000 r/min
Calculation factor - k _r	0.25



Timken BEARINGS INDUSTRY

Category	Cylindrical Roller Bearings
Inventory	11.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.739
EAN	7316577022486
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - Both Sides
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 Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	35MM Bore; Straight Bore Profile; 80MM Outside Diameter; 31MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Int
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing



Timken BEARINGS INDUSTRY

Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NU 2307 ECP
Weight / LBS	1.627
Bore	1.378 Inch 35 Millimeter
Width	1.22 Inch 31 Millimeter
Outside Diameter	3.15 Inch 80 Millimeter
bore diameter:	35 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	80 mm
maximum rpm:	11000 RPM
overall width:	31 mm
bearing material:	Steel
flanges:	(2) Outer Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	31 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	1.5 mm
dynamic load capacity:	106 kN
series:	NU23
static load capacity:	98 kN
D ₁	65.8 mm
r _{1,2} min.	1.5 mm



Timken BEARINGS INDUSTRY

$r_{3,4}$ min.	1.1 mm
s max.	2.7 mm
d_a min.	42 mm
d_a max.	44 mm
d_b min.	48 mm
D_a max.	72.2 mm
r_a max.	1.5 mm
r_b max.	1 mm
Basic dynamic load rating C	106 kN
Basic static load rating C_0	98 kN
Fatigue load limit P_u	12.7 kN
Calculation factor k_r	0.25
Limiting value e	0.3
Axial load factor Y	0.4
Mass bearing	0.72 kg