



Bearing No. N 204 ECP

s	1 mm
E	41.5 mm
d	20 mm
D	47 mm
B	14 mm
Noun	Bearing
Bore	0.787 Inch 20 Millimeter
Width	0.551 Inch 14 Millimeter
UNSPSC	31171547
s max.	1 mm
series:	N2
Profile	Complete with Outer and Inner Ring
flanges:	(2) Inner Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	47x20x14
Snap Ring	No
Separable	Outer Ring - Both Sides
Inventory	0.0
bore type:	Straight
Width (mm)	14
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
maximum rpm:	19000 RPM
Weight / LBS	0.251
Bore Profile	Straight
Mass bearing	0.11 kg

d ₁	29.7 mm
Product Group	B04144
closure type:	Open
Cage Material	Polymer
Inch - Metric	Metric
Bearing number	N 204 ECP
Relubricatable	Yes
fillet radius:	1 mm
cage material:	Polyamide
bore diameter:	20 mm
Other Features	High Capacity 2 Rib Inner Ring Plain Outer Ring Cage on Inner Ring OD
overall width:	14 mm
Limiting speed	19000 r/min
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
Reference speed	17000 r/min
finish/coating:	Uncoated
Precision Class	RBEC 1 ISO P0
Outside Diameter	1.85 Inch 47 Millimeter
Limiting value e	0.2
Long Description	20MM Bore; Straight Bore Profile; 47MM Outside Diameter; 14MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Int
ring separation:	Separable Ring
Manufacturer URL	http://www.skf.com

outer ring width:	14 mm
Weight / Kilogram	0.114
Manufacturer Name	SKF
outside diameter:	47 mm
precision rating:	RBEC 1 (ISO Class Normal)
D _a max.	43.5 mm
r _b max.	0.6 mm
Bore Diameter (mm)	47
d _a min.	25 mm
D _a min.	43 mm
d _a max.	40 mm
r _a max.	1 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	20
Axial load factor Y	0.6
internal clearance:	C0
Minimum Buy Quantity	N/A
r _b - max.	0.6 mm
r _a - max.	1 mm
D _a - max.	43.5 mm
d _a - min.	25 mm
D _a - min.	43 mm
r _{3,4} min.	0.6 mm
d _a - max.	40 mm
r _{1,2} min.	1 mm
static load capacity:	22 kN
d ₁ ?	29.7 mm
r _{1,2} - min.	1 mm
dynamic load capacity:	25.1 kN
r _{3,4} - min.	0.6 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item	N 204 ECP

Number	
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	28.5 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	28.5 kN
Calculation factor k_r	0.12
Fatigue load limit P_u	2.75 kN
Calculation factor - k_r	0.12
Fatigue load limit - P_u	2.8 kN
Basic static load rating C_0	22 kN
Basic static load rating - C_0	22 kN