

# AST AST20 14IB14 plain bearings

We Provide Extensive AST AST20 14IB14 plain bearings Selection And Competitive Wholesale Pricing. 100x45x36 Size (mm) 100 Bore Diameter (mm)

Size (mm)	100x45x36
Bore Diameter (mm)	100
Outer Diameter (mm)	45
Width (mm)	36
d	45 mm
D	100 mm
B	36 mm
D1	83.2 mm
F	58.5 mm
r1,2 – min.	1.5 mm
r3,4 – min.	1.5 mm
s	3.2 mm
da – min.	54 mm
da – max.	56 mm
db – min.	60 mm
Da – max.	91.4 mm
ra – max.	1.5 mm
rb – max.	1.5 mm
Basic dynamic load rating – C	160 kN
Basic static load rating – C0	153 kN
Fatigue load limit – Pu	20 kN
Reference speed	7500 r/min

Limiting speed	8500 r/min
Calculation factor – kr	0.25
Inventory	14.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.33
EAN	7316577029508
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	45MM Bore; Straight Bore Profile; 100MM Outside Diameter; 36MM Width; Polymer Cage Material; RBEC 1
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00

Noun	Bearing
Manufacturer Item Number	NU 2309 ECP
Weight / LBS	2.921
Width	1.417 Inch   36 Millimeter
Bore	1.772 Inch   45 Millimeter
Outside Diameter	3.937 Inch   100 Millimeter
bore diameter:	45 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	100 mm
maximum rpm:	8500 RPM
overall width:	36 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:	36 mm
operating temperature range:	Maximum of +300 °F
fillet radius:	1.5 mm
dynamic load capacity:	160 kN
series:	NU23
static load capacity:	153 kN
D1 ≈	83.2 mm

r <sub>1,2</sub> min.	1.5 mm
r <sub>3,4</sub> min.	1.5 mm
s max.	3.2 mm
d <sub>a</sub> min.	54 mm
d <sub>a</sub> max.	56 mm
d <sub>b</sub> min.	60 mm
D <sub>a</sub> max.	91.4 mm
r <sub>a</sub> max.	1.5 mm
r <sub>b</sub> max.	1.5 mm
Basic dynamic load rating C	160 kN
Basic static load rating C <sub>0</sub>	153 kN
Fatigue load limit P <sub>u</sub>	20 kN
Calculation factor k <sub>r</sub>	0.25
Limiting value e	0.3
Axial load factor Y	0.4
Mass bearing	1.27 kg