

# AST CF48 needle roller bearings

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Size (mm)	180x70x42
Bore Diameter (mm)	180
Outer Diameter (mm)	70
Width (mm)	42
d	70 mm
D	180 mm
B	42 mm
d1	103.5 mm
D1	145.95 mm
r1,2 – min.	3 mm
da – min.	86 mm
Da – max.	164 mm
ra – max.	2.5 mm
Basic dynamic load rating – C	143 kN
Basic static load rating – C0	104 kN
Fatigue load limit – Pu	3.9 kN
Reference speed	8500 r/min
Limiting speed	5300 r/min
Calculation factor – kr	0.035
Calculation factor – f0	12.1
Inventory	2.0

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.92
EAN	7316576621246
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch – Metric	Metric
Long Description	70MM Bore; 180MM Outside Diameter; 42MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer Item Number	6414
Weight / LBS	10.83
Bore	2.756 Inch   70 Millimeter
Outside Diameter	7.087 Inch   180 Millimeter
Outer Race Width	1.654 Inch   42 Millimeter
bore diameter:	70 mm
static load capacity:	104 kN
outside diameter:	180 mm

precision rating:	ABEC 1 (ISO Class Normal)
overall width:	42 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	42 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2.5 mm
snap ring included:	Without Snap Ring
maximum rpm:	5300 RPM
internal clearance:	C0
series:	64
dynamic load capacity:	143 kN
d1 ≈	103.5 mm
D1 ≈	145.95 mm
r1,2 min.	3 mm
da min.	86 mm
Da max.	164 mm
ra max.	2.5 mm
Basic dynamic load rating C	143 kN
Basic static load rating C0	104 kN
Fatigue load limit Pu	3.9 kN
Calculation factor kr	0.035
Calculation factor f0	12.1
Mass bearing	4.93 kg