

# AST 22315MB spherical roller bearings

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Size (mm)	80x110x16
Bore Diameter (mm)	80
Outer Diameter (mm)	110
Width (mm)	16
d	80 mm
D	110 mm
B	16 mm
C	16 mm
rn	0,5 mm
a	2,5 mm
b	1,3 mm
f	1,12 mm
r min.	1 mm
r <sub>0</sub> max.	0,4 mm
D1	107,6 mm
D2	115,7 mm
da min.	85 mm
da max	88 mm
Da max.	105 mm
ra max.	1 mm
Dx	117 mm
Cy	3,3 mm
Cz	1,2 mm

Weight	0,373 Kg
Basic dynamic load rating (C)	24,9 kN
Basic static load rating (C0)	24 kN
(Grease) Lubrication Speed	5 700 r/min
(Oil) Lubrication Speed	6 700 r/min
a min	2.3 mm
a max	2.5 mm
Ca min	3.42 mm
Ca max	3.62 mm
rs min	1 mm
rNs min	0.5 mm
D3 max	107.6 mm
b min	1.3 mm
b max	1.6 mm
r0 max	0.4 mm
D4 max	115.7 mm
Snap ring reference	R110
Radial clearance class	CN
Mass	0.37 kg
Dynamic load, C	24.9 kN
Static load, C0	24 kN
Fatigue limit load, Cu	1.09 kN
f0	16.6
Nlim (oil)	6,700 rpm
Nlim (grease)	5,700 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz

Characteristic rolling element frequency, BSF	10.85 Hz
Characteristic outer ring frequency, BPF0	8.63 Hz
Characteristic inner ring frequency, BPI	10.37 Hz
da min	85 mm
Da max	105 mm
ra max	1 mm
rNa max	0.5 mm
Db min	117 mm
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.385
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch – Metric	Metric
Long Description	80MM Bore; 110MM Outside Diameter; 16MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Fi

Other Features	Deep Groove   With Snap Ring
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Outside Diameter	4.331 Inch   110 Millimeter
Bore	3.15 Inch   80 Millimeter
Outer Race Width	0.63 Inch   16 Millimeter
Inner Race Width	0 Inch   0 Millimeter