

# AST 51412M thrust ball bearings

AST 51412M thrust ball bearings with easy-to-use parts graphics, giving you the ability to check 25 mm d parts 9 mm B availability, pricing, examine remanufactured options.

d	25 mm
D	42 mm
B	9 mm
rs min	0.3 mm
Radial clearance class	C3
Mass	0.04 kg
Dynamic load, C	7.05 kN
Static load, C <sub>0</sub>	4.55 kN
Fatigue limit load, C <sub>u</sub>	0.21 kN
f <sub>0</sub>	15.4
N <sub>lim</sub> (grease)	9,800 rpm
Min operating temperature, T <sub>min</sub>	-25 °C
Max operating temperature, T <sub>max</sub>	110 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.89 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	5.58 Hz
Characteristic inner ring frequency, BRF <sub>0</sub>	7.42 Hz
da min	27 mm
da max	29 mm

Da max	40 mm
ra max	0.3 mm
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.043
Product Group	B00308
Enclosure	2 Seals
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
Enclosure Type	Contact Seal
Internal Clearance	C3-Loose
Inch – Metric	Metric
Long Description	25MM Bore; 42MM Outside Diameter; 9MM Outer Race Width; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No F
Other Features	Deep Groove   Double Lip Friction Nitrile Rubber Seal   -20 To 120 Deg C   Prelubricated
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball

Weight / LBS	0.095
Bore	0.984 Inch   25 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Outer Race Width	0.354 Inch   9 Millimeter
Outside Diameter	1.654 Inch   42 Millimeter