



PIE Bearing Technology Co., Ltd

Chrome Steel Precision NTN Bearing 6905 6906 6907 Thin Section Ball Bearing



Bearing No. 6905

Size	25x42x9 mm
Bore Diameter	25 mm
Outer Diameter	42 mm
Width	9 mm
d	25 mm
D	42 mm
B	9 mm
C	9 mm
r min.	0,3 mm
da min.	27 mm
da max	29 mm
Da max.	40 mm
ra max.	0,3 mm
Weight	0,042 Kg
Basic dynamic load rating (C)	7,05 kN
Basic static load rating (C0)	4,55 kN
(Grease) Lubrication Speed	16 000 r/min
(Oil) Lubrication Speed	19 000 r/min
rs min	0.3 mm
Radial clearance class	CN
Mass	0.04 kg
Dynamic load, C	7.05 kN
Static load, C0	4.55 kN
Fatigue limit load, Cu	0.21 kN
f0	15.4

6905 Bearing 2D drawings and 3D CAD models



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Nlim (oil)	19,000 rpm
Nlim (grease)	16,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.89 Hz
Characteristic outer ring frequency, BPF0	5.58 Hz
Characteristic inner ring frequency, BRF1	7.42 Hz
da min	27 mm
Da max	40 mm
ra max	0.3 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.1
Product Group	B00234
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	25MM Bore; 42MM Outside Diameter; 9MM



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	Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Weight / LBS	0.095
Outside Diameter	1.654 Inch 42 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	0.354 Inch 9 Millimeter
Bore	0.984 Inch 25 Millimeter
bore diameter:	25 mm
finish/coating:	Uncoated
outside diameter:	42 mm
bearing material:	High Carbon Chrome Steel
overall width:	9 mm
cage material:	Steel
bore type:	Round
inner ring width:	9 mm
closure type:	Open
outer ring width:	9 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	16000 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	19000 rpm



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internal clearance:	CN
fillet radius:	0.3 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	19000 RPM
dynamic load capacity:	7050 N
series:	69
static load capacity:	4550 N
manufacturer product page:	Click here
precision rating:	Class 0