



Bearing No. 6905

D	42 mm
d	25 mm
B	9 mm
C	9 mm
f0	15.4
Bore	0.984 Inch 25 Millimeter
Noun	Bearing
Mass	0.04 kg
ra max	0.3 mm
UNSPSC	31171504
r min.	0,3 mm
rs min	0.3 mm
da max	29 mm
da min	27 mm
Weight	0,042 Kg
Da max	40 mm
Da max.	40 mm
ra max.	0,3 mm
da min.	27 mm
series:	69
Category	Single Row Ball Bearing
Inventory	0.0
Snap Ring	No
Enclosure	Open
Size (mm)	25x42x9
bore type:	Round
Nlim (oil)	19,000 rpm
Width (mm)	9
Weight / LBS	0.095

maximum rpm:	19000 RPM
Nlim (grease)	16,000 rpm
Product Group	B00234
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	25 mm
Other Features	Deep Groove
cage material:	Steel
fillet radius:	0.3 mm
overall width:	9 mm
Bearing number	6905
Dynamic load, C	7.05 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	4.55 kN
Manufacturer URL	http://www.ntnamerica.com
Long Description	25MM Bore; 42MM Outside Diameter; 9MM 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
Outer Race Width	0.354 Inch 9 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outside Diameter	1.654 Inch 42 Millimeter
outer ring width:	9 mm
inner ring width:	9 mm

bearing material:	High Carbon Chrome Steel
outside diameter:	42 mm
Weight / Kilogram	0.1
precision rating:	Class 0
Manufacturer Name	NTN
Bore Diameter (mm)	25
Internal Clearance	C0-Medium
maximum rpm (oil):	19000 rpm
Outer Diameter (mm)	42
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
static load capacity:	4550 N
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	16000 rpm
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	7050 N
Radial clearance class	CN
Fatigue limit load, Cu	0.21 kN
(Oil) Lubrication Speed	19 000 r/min
Internal Special Features	No
manufacturer product page:	Click here
(Grease) Lubrication Speed	16 000 r/min
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	4,55 kN
Basic dynamic load rating (C)	7,05 kN
Maximum Capacity /	No

Filling Slot	
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic inner ring frequency, BPFI	7.42 Hz
Characteristic outer ring frequency, BPF0	5.58 Hz
Characteristic rolling element frequency, BSF	6.89 Hz