



# NTN Bearing Rolamentos do Brasil Ltda.



RMS 12 Bearing 2D drawings and 3D CAD models

38.1 mm x 95.25 mm x 23.812 mm skf RMS 12  
Deep groove ball bearings

Bearing No. RMS 12

Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.813
EAN	7316577017987
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	Inch
Long Description	1-1/2" Bore; 3-3/4" Outside Diameter; 15/16" Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing



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Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	RMS 12
Weight / LBS	1.79
Outer Race Width	0.938 Inch   23.825 Millimeter
D	3.75 Inch   95.25 Millimeter
d	1.5 Inch   38.1 Millimeter
bore diameter:	1.5000 in
static load capacity:	24 kN
outside diameter:	3.7500 in
precision rating:	Not Rated
overall width:	0.9375 in
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	23.813 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
internal clearance:	C0
maximum rpm:	11000 RPM
dynamic load capacity:	41 kN
series:	RMS
d	38.1 mm
D	95.25 mm
B	23.812 mm
d <sub>1</sub>	56.11 mm
D <sub>1</sub>	73.75 mm
r <sub>1,2</sub> min.	2.4 mm
d <sub>a</sub> min.	49 mm
D <sub>a</sub> max.	81 mm



## NTN Bearing Rolamentos do Brasil Ltda.

$r_a$ max.	1.5 mm
Basic dynamic load rating C	42.3 kN
Basic static load rating $C_0$	24 kN
Fatigue load limit $P_u$	1.02 kN
Reference speed	17000 r/min
Limiting speed	11000 r/min
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.2
Mass bearing	0.82 kg