



## BEARING-MALAYSIA SDN.BHD.



31.75 mm x 79.375 mm x 22.225 mm SKF RMS  
10 deep groove ball bearings

Bearing No. RMS 10

RMS 10 Bearing 2D drawings and 3D CAD models

Size	79.375x31.75x22.225 mm
Bore Diameter	31,75 mm
Outer Diameter	79,375 mm
Width	22,225 mm
d	31.75 mm
D	79.375 mm
B	22.225 mm
d <sub>1</sub>	49.56 mm
D <sub>1</sub>	65.35 mm
r <sub>1,2</sub> - min.	2.4 mm
d <sub>a</sub> - min.	44 mm
D <sub>a</sub> - max.	71 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	33.2 kN
Basic static load rating - C <sub>0</sub>	19 kN
Fatigue load limit - P <sub>u</sub>	0.815 kN
Reference speed	19000 r/min
Limiting speed	12000 r/min
Calculation factor - k <sub>r</sub>	0.03
Calculation factor - f <sub>0</sub>	13.1
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



## BEARING-MALAYSIA SDN.BHD.

Weight / Kilogram	0.512
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	1-1/4" Bore; 3-1/8" Outside Diameter; 7/8" 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
Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	RMS 10
Weight / LBS	1.127
Outside Diameter	3.125 Inch   79.375 Millimeter
Outer Race Width	0.875 Inch   22.225 Millimeter
Bore	1.25 Inch   31.75 Millimeter
bore diameter:	1.2500 in
static load capacity:	19 kN
outside diameter:	3.1250 in
precision rating:	Not Rated



## BEARING-MALAYSIA SDN.BHD.

overall width:	0.8750 in
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	22.225 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
internal clearance:	C0
maximum rpm:	12000 RPM
dynamic load capacity:	33.2 kN
series:	RMS
$d_1$	49.56 mm
$D_1$	65.35 mm
$r_{1,2}$ min.	2.4 mm
$d_a$ min.	44 mm
$D_a$ max.	71 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	33.2 kN
Basic static load rating $C_0$	19 kN
Fatigue load limit $P_u$	0.815 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.1
Mass bearing	0.5 kg