



# BEARING INDUSTRIA CUSCINETTI S.P.A.



28.575 mm x 63.5 mm x 15.875 mm skf RLS 9  
Deep groove ball bearings

Bearing No. RLS 9

RLS 9 Bearing 2D drawings and 3D CAD models

Size	63.5x28.575x15.875 mm
Bore Diameter	63,5 mm
Outer Diameter	28,575 mm
Width	15,875 mm
d	28.575 mm
D	63.5 mm
B	15.875 mm
d <sub>1</sub>	40.36 mm
D <sub>2</sub>	54.06 mm
r <sub>1,2</sub> - min.	1.6 mm
d <sub>a</sub> - min.	36 mm
D <sub>a</sub> - max.	56 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	20.3 kN
Basic static load rating - C <sub>0</sub>	11.2 kN
Fatigue load limit - P <sub>u</sub>	0.475 kN
Reference speed	22000 r/min
Limiting speed	15000 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	14
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



## BEARING INDUSTRIA CUSCINETTI S.P.A.

Weight / Kilogram	0.229
EAN	7316576679377
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	1-1/8" Bore; 2-1/2" Outside Diameter; 5/8" 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	RLS 9
Weight / LBS	0.505
Outer Race Width	0.625 Inch   15.875 Millimeter
Outside Diameter	2.5 Inch   63.5 Millimeter
Bore	1.125 Inch   28.575 Millimeter
bore diameter:	1.1250 in
static load capacity:	11.2 kN
outside diameter:	2.5000 in



## BEARING INDUSTRIA CUSCINETTI S.P.A.

precision rating:	Not Rated
overall width:	0.6250 in
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	15.875 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1.5 mm
internal clearance:	C0
maximum rpm:	15000 RPM
dynamic load capacity:	19.5 kN
series:	RLS
$d_1$	40.36 mm
$D_2$	54.06 mm
$r_{1,2}$ min.	1.6 mm
$d_a$ min.	36 mm
$D_a$ max.	56 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	20.3 kN
Basic static load rating $C_0$	11.2 kN
Fatigue load limit $P_u$	0.475 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14
Mass bearing	0.22 kg