



PRECISION BEARING CORP.



38.1 mm x 82.55 mm x 19.05 mm skf rls 12 bearing

Bearing No. rls 12

rls 12 Bearing 2D drawings and 3D CAD models

Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.459
EAN	7316577017789
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; 3-1/4" Outside Diameter; 3/4" 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	http://www.skf.com
Manufacturer Item Number	RLS 12
Weight / LBS	1.012
D	3.25 Inch 82.55 Millimeter
d	1.5 Inch 38.1 Millimeter
Outer Race Width	0.75 Inch 19.05 Millimeter
bore diameter:	1.5000 in
static load capacity:	19 kN
outside diameter:	3.2500 in
precision rating:	Not Rated
overall width:	0.7500 in
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	19.05 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
internal clearance:	C0
maximum rpm:	11000 RPM
dynamic load capacity:	30.7 kN
series:	RLS
d	38.1 mm
D	82.55 mm
B	19.05 mm
d ₁	52.6 mm
D ₁	67.4 mm
r _{1,2} min.	2.4 mm
d _a min.	47 mm
D _a max.	73 mm
r _a max.	1 mm



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Basic dynamic load rating C	30.7 kN
Basic static load rating C_0	19 kN
Fatigue load limit P_u	0.8 kN
Reference speed	18000 r/min
Limiting speed	11000 r/min
Calculation factor k_r	0.025
Calculation factor f_0	13.8
Mass bearing	0.45 kg