



Bearing No. 16018

D	140 mm
d	90 mm
B	16 mm
Bore	3.543 Inch 90 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	16
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	140x90x16
Snap Ring	No
Width (mm)	16
bore type:	Round
Weight / LBS	1.942
Mass bearing	0.85 kg
maximum rpm:	6300 RPM
closure type:	Open
D ₁	123.2 mm
d ₁	106.7 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	90 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	1 mm
overall width:	16 mm
Bearing number	16018

Limiting speed	6300 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	10000 r/min
Outer Race Width	0.63 Inch 16 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	5.512 Inch 140 Millimeter
Long Description	90MM Bore; 140MM Outside Diameter; 16MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
Weight / Kilogram	0.882
outer ring width:	16 mm
precision rating:	Not Rated
outside diameter:	140 mm
Internal Clearance	C0-Medium
D _a max.	135 mm
Bore Diameter (mm)	140
d _a min.	94.6 mm
r _a max.	1 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	90
Minimum Buy Quantity	N/A
r _{1,2} min.	1 mm
r _a - max.	1 mm
D _a - max.	135 mm
d _a - min.	94.6 mm

static load capacity:	39 kN
d_1 ?	106.7 mm
D_1 ?	123.2 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	43.6 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1 mm
Manufacturer Item Number	16018
Internal Special Features	No
Basic dynamic load rating C	43.6 kN
Basic dynamic load rating - C	43.6 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	1.56 kN
Calculation factor k_r	0.02
Calculation factor f_0	16.3
Fatigue load limit - P_u	1.6 kN
Calculation factor - k_r	0.02
Calculation factor - f_0	16.3
Basic static load rating C_0	39 kN
Basic static load rating - C_0	39 kN