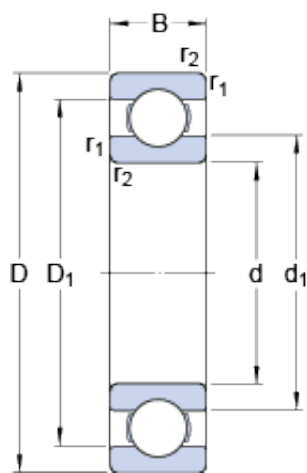




Bearing No. 6414

D	180 mm
d	70 mm
B	42 mm
Bore	2.756 Inch 70 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	64
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	2.0
Size (mm)	180x70x42
Snap Ring	No
Width (mm)	42
bore type:	Round
Weight / LBS	10.83
Mass bearing	4.93 kg
maximum rpm:	5300 RPM
closure type:	Open
D ₁	145.95 mm
d ₁	103.5 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	70 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	2.5 mm
overall width:	42 mm
Bearing number	6414

Limiting speed	5300 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	8500 r/min
Outer Race Width	1.654 Inch 42 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	7.087 Inch 180 Millimeter
Long Description	70MM Bore; 180MM Outside Diameter; 42MM 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	4.92
outer ring width:	42 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	180 mm
Internal Clearance	C0-Medium
D _a max.	164 mm
Bore Diameter (mm)	180
d _a min.	86 mm
r _a max.	2.5 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	70
Minimum Buy Quantity	N/A
r _a - max.	2.5 mm
D _a - max.	164 mm

d_a - min.	86 mm
$r_{1,2}$ min.	3 mm
static load capacity:	104 kN
d_1 ?	103.5 mm
D_1 ?	145.95 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	143 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	3 mm
Manufacturer Item Number	6414
Internal Special Features	No
Basic dynamic load rating C	143 kN
Basic dynamic load rating - C	143 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	3.9 kN
Calculation factor k_r	0.035
Calculation factor f_0	12.1
Fatigue load limit - P_u	3.9 kN
Calculation factor - k_r	0.035
Calculation factor - f_0	12.1
Basic static load rating C_0	104 kN
Basic static load rating - C_0	104 kN