

16004 SKF 42x20x8mm

Calculation factor k_r 0.02

Deep groove ball bearings

Bearing number	16004
Size (mm)	42x20x8
Brand	SKF
Bore Diameter (mm)	42
Outer Diameter (mm)	20
Width (mm)	8
d	20 mm
D	42 mm
B	8 mm
d_1	27.25 mm
D_2	37.19 mm
$r_{1,2} - \text{min.}$	0.3 mm
$d_a - \text{min.}$	22 mm
$D_a - \text{max.}$	40 mm
$r_a - \text{max.}$	0.3 mm
Basic dynamic load rating – C	7.3 kN
Basic static load rating – C_0	4 kN
Fatigue load limit – P_u	0.173 kN
Reference speed	38000 r/min
Limiting speed	24000 r/min
Calculation factor – k_r	0.02
Calculation factor – f_0	15

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.052
EAN	7316577015839
Product Group – BDI	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	Metric
Long Description	20MM Bore; 42MM Outside Diameter; 8MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category – BDI	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	16004

Weight / LBS	0.115
Bore	0.787 Inch 20 Millimeter
Outer Race Width	0.315 Inch 8 Millimeter
Outside Diameter	1.654 Inch 42 Millimeter
$d_1 \approx$	27.25 mm
$d_a \text{ min.}$	22 mm
$D_a \text{ max.}$	40 mm
$r_a \text{ max.}$	0.3 mm
Basic dynamic load rating C	7.28 kN
Basic static load rating C_0	4.05 kN
Fatigue load limit P_u	0.173 kN
Calculation factor k_r	0.02
Calculation factor f_0	14.9
Mass bearing	0.051 kg