

16005 SKF UNSPSC 31171504 47x25x8mm Deep groove ball bearings

Bearing number	16005
Size (mm)	47x25x8
Brand	SKF
Bore Diameter (mm)	47
Outer Diameter (mm)	25
Width (mm)	8
d	25 mm
D	47 mm
B	8 mm
d ₁	33.35 mm
D ₂	42.4 mm
r _{1,2} – min.	0.3 mm
d _a – min.	27 mm
D _a – max.	45 mm
r _a – max.	0.3 mm
Basic dynamic load rating – C	8.1 kN
Basic static load rating – C ₀	4.8 kN
Fatigue load limit – P _u	0.212 kN
Reference speed	32000 r/min
Limiting speed	20000 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	0.063
EAN	7316576676611
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	25MM Bore; 47MM 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	16005
Weight / LBS	0.139

Bore	0.984 Inch 25 Millimeter
Outer Race Width	0.315 Inch 8 Millimeter
Outside Diameter	1.85 Inch 47 Millimeter
bore diameter:	25 mm
static load capacity:	4.75 kN
outside diameter:	47 mm
precision rating:	Not Rated
overall width:	8 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	8 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	20000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	8.06 kN
$d_1 \approx$	33.35 mm
$r_{1,2} \text{ min.}$	0.3 mm
$d_a \text{ min.}$	27 mm
$D_a \text{ max.}$	45 mm
$r_a \text{ max.}$	0.3 mm
Basic dynamic load rating C	8.06 kN
Basic static load rating C_0	4.75 kN
Fatigue load limit P_u	0.212 kN

Calculation factor k_r	0.02
Calculation factor f_θ	15
Mass bearing	0.055 kg