

# KOYO OB63 deep groove ball bearings

LET OUR KOYO OB63 deep groove ball bearings EXPERTS 52x25x18 Size (mm) 52 Bore Diameter (mm) GET YOU THE PARTS YOU 25 Outer Diameter (mm) NEED.

Size (mm)	52x25x18
Bore Diameter (mm)	52
Outer Diameter (mm)	25
Width (mm)	18
d	25 mm
D	52 mm
B	18 mm
d1	34.7 mm
D1	43.3 mm
F	31.5 mm
r1,2 – min.	1 mm
r3,4 – min.	1 mm
s	1.8 mm
da – min.	29.9 mm
da – max.	30.4 mm
db – min.	36 mm
Da – max.	46.4 mm
ra – max.	1 mm
Basic dynamic load rating – C	39 kN
Basic static load rating – C0	34 kN
Fatigue load limit – Pu	4.2 kN
Reference speed	14000 r/min

Limiting speed	16000 r/min
Calculation factor – kr	0.2
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.174
EAN	7316577027528
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring – One Side
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch – Metric	Metric
Other Features	High Capacity   1 Rib Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
Long Description	25MM Bore; Straight Bore Profile; 52MM Outside Diameter; 18MM Width; Polymer Cage Material; RBEC 1
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00

Noun	Bearing
Manufacturer Item Number	NJ 2205 ECP
Weight / LBS	0.383
Outside Diameter	2.047 Inch   52 Millimeter
Width	0.709 Inch   18 Millimeter
Bore	0.984 Inch   25 Millimeter
bore diameter:	25 mm
static load capacity:	34 kN
outside diameter:	52 mm
precision rating:	RBEC 1 (ISO Class Normal)
overall width:	18 mm
maximum rpm:	16000 RPM
flanges:	(2) Outer Ring, (1) Inner Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	18 mm
operating temperature range:	Maximum of +300 °F
fillet radius:	1 mm
dynamic load capacity:	34.1 kN
series:	NJ22
d1 ≈	34.7 mm
D1 ≈	43.3 mm

r <sub>1,2</sub> min.	1 mm
r <sub>3,4</sub> min.	0.6 mm
s max.	1.8 mm
d <sub>a</sub> min.	29.9 mm
d <sub>a</sub> max.	30.4 mm
d <sub>b</sub> min.	36 mm
D <sub>a</sub> max.	46.4 mm
r <sub>a</sub> max.	1 mm
Basic dynamic load rating C	39 kN
Basic static load rating C <sub>0</sub>	34 kN
Fatigue load limit P <sub>u</sub>	4.25 kN
Calculation factor k <sub>r</sub>	0.2
Limiting value e	0.3
Axial load factor Y	0.4
Mass bearing	0.17 kg
Angle ring	HJ 2205 EC