



## Bearing No. 6303-Z

D	47 mm
d	17 mm
B	14 mm
Bore	0.669 Inch   17 Millimeter
Noun	Bearing
UNSPSC	31171504
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	1 Metal Shield
Size (mm)	47x17x14
Snap Ring	No
Width (mm)	14
Mass bearing	0.11 kg
Weight / LBS	0.25
Inch - Metric	Metric
Cage Material	Steel
D <sub>2</sub>	39.58 mm
d <sub>1</sub>	26.52 mm
Product Group	B00308
Keyword String	Ball
Bearing number	6303-Z
Limiting speed	22000 r/min
Reference speed	34000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	17MM Bore; 47MM Outside Diameter; 14MM Outer Race Diameter; 1 Metal

	Shield; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	1.85 Inch   47 Millimeter
Outer Race Width	0.551 Inch   14 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0.11
Internal Clearance	C0-Medium
$d_a$ max.	26.4 mm
$d_a$ min.	22.6 mm
$D_a$ max.	41.4 mm
Bore Diameter (mm)	47
$r_a$ max.	1 mm
Outer Diameter (mm)	17
$r_{1,2}$ min.	1 mm
$D_a$ - max.	41.4 mm
$d_a$ - min.	22.6 mm
$d_a$ - max.	26.4 mm
$r_a$ - max.	1 mm
Minimum Buy Quantity	N/A
$d_1$ ?	26.52 mm
$D_2$ ?	39.58 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	1 mm
Manufacturer Item Number	6303-Z
Internal Special Features	No
Basic dynamic load rating C	14.3 kN
Basic dynamic load rating - C	14.3 kN

Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	0.275 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	12
Calculation factor - $k_r$	0.03
Fatigue load limit - $P_u$	0.275 kN
Calculation factor - $f_0$	12
Basic static load rating $C_0$	6.55 kN
Basic static load rating - $C_0$	6.6 kN