

2302 SKF 15x42x17mm Number of Rows of Balls Double Row Self aligning ball bearings

Bearing number	2302
Size (mm)	15x42x17
Brand	SKF
Bore Diameter (mm)	15
Outer Diameter (mm)	42
Width (mm)	17
d	15 mm
D	42 mm
B	17 mm
C	17 mm
d2	23.2 mm
r1 min.	1 mm
r2 min.	1 mm
D1	35.2 mm
da min.	20.6 mm
Da max.	36.4 mm
ra max.	1 mm
Weight	0.12 Kg
Basic dynamic load rating (C)	11.9 kN
Basic static load rating (C0)	2.9 kN
Fatigue load limit (Pu)	0.15
Reference speed	32000 r/min
Limiting speed	24000 r/min
Calculation factor (e)	0.52

Calculation factor (kr)	0.05
Calculation factor (Y0)	1.3
Calculation factor (Y1)	1.2
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.12
EAN	7316576608674
Product Group – BDI	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Steel
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg
Long Description	15MM Bore; Shaft Mount; 42MM Outside Diameter; 17MM Inner Race Width; 17MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch – Metric	Metric
Category – BDI	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning

Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2302
Weight / LBS	0.264
Outside Diameter	1.654 Inch 42 Millimeter
Outer Race Width	0.669 Inch 17 Millimeter
Bore	0.591 Inch 15 Millimeter
Inner Race Width	0.669 Inch 17 Millimeter
$d_1 \approx$	23.17 mm
$D_1 \approx$	33.3 mm
$r_{1,2} \text{ min.}$	1 mm
$d_a \text{ min.}$	20.6 mm
$D_a \text{ max.}$	36.4 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	11.9 kN
Basic static load rating C_0	2.9 kN
Fatigue load limit P_u	0.15 kN
Permissible angular misalignment α	3 °
Calculation factor k_r	0.05
Calculation factor e	0.52
Calculation factor Y_0	1.3
Calculation factor Y_1	1.2
Calculation factor Y_2	1.9
Mass bearing	0.12 kg