



35 mm x 85 mm x 12 mm SKF 52309 thrust ball bearings

Bearing No. 52309

52309 Bearing 2D drawings and 3D CAD models

Size	85x35x52 mm
Bore Diameter	85 mm
Outer Diameter	35 mm
Width	52 mm
d	35 mm
D	85 mm
H	52 mm
D ₁	47 mm
B	12 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
d _a	46 mm
D _a - max.	61 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	76.1 kN
Basic static load rating - C ₀	153 kN
Fatigue load limit - P _u	5.6 kN
Reference speed	2000 r/min
Limiting speed	2800 r/min
Minimum load factor - A	0.12
Category	Thrust Ball Bearing
Inventory	0.0
Manufacturer Name	SKF



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Minimum Buy Quantity	N/A
Weight / Kilogram	1.262
Product Group	B00308
Rolling Element	Ball Bearing
Thrust Bearing	Yes
Single or Double Direction	Double Direction
Banded	No
Cage Material	Steel
Precision Class	ABEC 1 ISO P0
Component Description	Roller Assembly Plus Raceways
Other Features	Double Row
Long Description	35MM Bore 1; 47MM Bore 2; 85MM Outside Diameter; 52MM Height; Ball Bearing; Double Direction; Not Banded; Steel Cage; ABEC 1 ISO P0 Precision
Inch - Metric	Metric
Category	Thrust Ball Bearings
UNSPSC	31171507
Harmonized Tariff Code	8482.10.50.08
Noun	Bearing
Keyword String	Ball Thrust
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	52309
Weight / LBS	2.78
Height	2.047 Inch 52 Millimeter
Bore 1	1.378 Inch 35 Millimeter
Bore 2	1.85 Inch 47 Millimeter
Overall Height with Aligning Washer	0 Inch 0 Millimeter
Outside Diameter	3.346 Inch 85 Millimeter
bore diameter:	35 mm



static load capacity:	153 kN
outside diameter:	85 mm
dynamic load capacity:	76.1 kN
overall width:	52 mm
maximum rpm:	2800 RPM
thrust bearing type:	Double-Direction
cage material:	Steel
outside diameter design:	Straight
fillet radius:	0.6 mm
separable or banded:	Separable
series:	523
precision rating:	ABEC 1 (ISO Class Normal)
D_1	47 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
d_a	46 mm
D_a max.	61 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	76.1 kN
Basic static load rating C_0	153 kN
Fatigue load limit P_u	5.6 kN
Minimum load factor A	0.12
Mass bearing (including seat washer where applicable)	1.25 kg