

51102 SKF 15x28x9mm series: 511 Thrust ball bearings

Bearing number	51102
Size (mm)	15x28x9
Brand	SKF
Bore Diameter (mm)	15
Outer Diameter (mm)	28
Width (mm)	9
d	15 mm
D	28 mm
H	9 mm
d1	28 mm
r1 min.	0.3 mm
r2 min.	0.3 mm
D1	16 mm
da min.	23 mm
Da max.	20 mm
ra max.	0.3 mm
Weight	0.023 Kg
Basic dynamic load rating (C)	10.6 kN
Basic static load rating (C0)	18.3 kN
Fatigue load limit (Pu)	0.67
Reference speed	8500 r/min
Limiting speed	12000 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0
Manufacturer Name	SKF

Minimum Buy Quantity	N/A
Weight / Kilogram	0.028
EAN	7316577058409
Product Group – BDI	B00308
Rolling Element	Ball Bearing
Thrust Bearing	Yes
Single or Double Direction	Single Direction
Banded	No
Cage Material	Steel
Precision Class	ABEC 1 ISO P0
Component Description	Roller Assembly Plus Raceways
Other Features	Single Row
Long Description	15MM Bore 1; 16MM Bore 2; 28MM Outside Diameter; 9MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; ABEC 1 ISO P0 Precision
Inch – Metric	Metric
Category – BDI	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	51102
Weight / LBS	0.062
Bore 2	0.63 Inch 16 Millimeter
Overall Height with Aligning Washer	0 Inch 0 Millimeter
Outside Diameter	1.102 Inch 28 Millimeter

Bore 1	0.591 Inch 15 Millimeter
Height	0.354 Inch 9 Millimeter
bore diameter:	15 mm
static load capacity:	18.3 kN
outside diameter:	28 mm
dynamic load capacity:	10.6 kN
overall width:	9 mm
maximum rpm:	12000 RPM
thrust bearing type:	Single-Direction
cage material:	Steel
outside diameter design:	Straight
fillet radius:	0.3 mm
separable or banded:	Separable
series:	511
precision rating:	ABEC 1 (ISO Class Normal)
$d_1 \approx$	28 mm
$D_1 \approx$	16 mm
$r_{1,2} \text{ min.}$	0.3 mm
$d_a \text{ min.}$	23 mm
$D_a \text{ max.}$	20 mm
$r_a \text{ max.}$	0.3 mm
Basic dynamic load rating C	10.6 kN
Basic static load rating C_0	18.3 kN
Fatigue load limit P_u	0.67 kN
Minimum load factor A	0.0017
Mass bearing (including seat washer where applicable)	0.023 kg