

# 51105 SKF 25x42x11mm Basic static load rating (C0) 39 kN Thrust ball bearings

Category	Thrust Ball Bearing
BDI Inventory	4.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.062
EAN	7316577058645
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	25MM Bore 1; 26MM Bore 2; 42MM Outside Diameter; 11MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	51105
Weight / LBS	0.136
Bore 2	1.024 Inch   26 Millimeter
Outside Diameter	1.654 Inch   42 Millimeter
Bore 1	0.984 Inch   25 Millimeter
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Height	0.433 Inch   11 Millimeter
Bearing number	51105
Size (mm)	25x42x11
Brand	SKF
Bore Diameter (mm)	25
Outer Diameter (mm)	42
Width (mm)	11
d	25 mm
D	42 mm
H	11 mm
d1	42 mm
r1 min.	0.6 mm
r2 min.	0.6 mm
D1	26 mm
da min.	35 mm
Da max.	32 mm
ra max.	0.6 mm
Weight	0.056 Kg
Basic dynamic load rating (C)	18.2 kN
Basic static load rating (C0)	39 kN

Fatigue load limit (Pu)	1.43
Reference speed	6300 r/min
Limiting speed	9000 r/min
bore diameter:	25 mm
static load capacity:	39 kN
outside diameter:	42 mm
dynamic load capacity:	18.2 kN
overall width:	11 mm
maximum rpm:	9000 RPM
thrust bearing type:	Single-Direction
cage material:	Steel
outside diameter design:	Straight
fillet radius:	0.6 mm
separable or banded:	Separable
series:	511
precision rating:	ABEC 1 (ISO Class Normal)
$d_1 \approx$	42 mm
$D_1 \approx$	26 mm
$r_{1,2} \text{ min.}$	0.6 mm
$d_a \text{ min.}$	35 mm
$D_a \text{ max.}$	32 mm
$r_a \text{ max.}$	0.6 mm
Basic dynamic load rating C	18.2 kN
Basic static load rating $C_0$	39 kN
Fatigue load limit $P_u$	1.43 kN
Minimum load factor A	0.0079
Mass bearing (including seat washer where applicable)	0.056 kg