

# 51118 SKF Minimum load factor A 0.22 90x120x22mm Thrust ball bearings

Category	Thrust Ball Bearing
BDI Inventory	6.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.676
EAN	7316576677809
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	90MM Bore 1; 92MM Bore 2; 120MM Outside Diameter; 22MM 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	51118
Weight / LBS	1.488
Bore 2	3.622 Inch   92 Millimeter
Height	0.866 Inch   22 Millimeter
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Outside Diameter	4.724 Inch   120 Millimeter
Bore 1	3.543 Inch   90 Millimeter
Bearing number	51118
Size (mm)	90x120x22
Brand	SKF
Bore Diameter (mm)	90
Outer Diameter (mm)	120
Width (mm)	22
d	90 mm
D	120 mm
H	22 mm
d1	120 mm
r1 min.	1 mm
r2 min.	1 mm
D1	92 mm
da min.	108 mm
Da max.	102 mm
ra max.	1 mm
Weight	0.67 Kg
Basic dynamic load rating (C)	59.2 kN
Basic static load rating (C0)	208 kN

Fatigue load limit (Pu)	7.5
Reference speed	2600 r/min
Limiting speed	3800 r/min
bore diameter:	90 mm
static load capacity:	208 kN
outside diameter:	120 mm
dynamic load capacity:	59.2 kN
overall width:	22 mm
maximum rpm:	3800 RPM
thrust bearing type:	Single-Direction
cage material:	Steel
outside diameter design:	Straight
fillet radius:	1 mm
separable or banded:	Separable
series:	511
precision rating:	ABEC 1 (ISO Class Normal)
$d_1 \approx$	120 mm
$D_1 \approx$	92 mm
$r_{1,2} \text{ min.}$	1 mm
$d_a \text{ min.}$	108 mm
$D_a \text{ max.}$	102 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	59.2 kN
Basic static load rating $C_0$	208 kN
Fatigue load limit $P_u$	7.5 kN
Minimum load factor A	0.22
Mass bearing (including seat washer where applicable)	0.67 kg