



# BROWNING BEARING COMPANY



## skf 51204 bearing

Bearing No. 51204

51204 Bearing 2D drawings and 3D CAD models

Size	20x40x14 mm
Bore Diameter	20 mm
Outer Diameter	40 mm
Width	14 mm
d	20 mm
D	40 mm
H	14 mm
d1	40 mm
r1 min.	0,6 mm
r2 min.	0,6 mm
D1	22 mm
da min.	32 mm
Da max.	28 mm
ra max.	0,6 mm
Weight	0,083 Kg
Basic dynamic load rating (C)	21,2 kN
Basic static load rating (C0)	37,5 kN
Fatigue load limit (Pu)	1,4
Reference speed	6000 r/min
Limiting speed	8000 r/min
Category	Thrust Ball Bearing
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.085
EAN	7316577058539



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Product Group	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	20MM Bore 1; 22MM Bore 2; 40MM Outside Diameter; 14MM Height; Ball Bearing; Single 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	51204
Weight / LBS	0.187
Bore 2	0.866 Inch   22 Millimeter
Outside Diameter	1.575 Inch   40 Millimeter
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Bore 1	0.787 Inch   20 Millimeter
Height	0.551 Inch   14 Millimeter
bore diameter:	20 mm
static load capacity:	37.5 kN
outside diameter:	40 mm



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dynamic load capacity:	21.2 kN
overall width:	14 mm
maximum rpm:	8000 RPM
thrust bearing type:	Single-Direction
cage material:	Steel
outside diameter design:	Straight
fillet radius:	0.6 mm
separable or banded:	Separable
series:	512
precision rating:	ABEC 1 (ISO Class Normal)
$d_1$	40 mm
$D_1$	22 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	32 mm
$D_a$ max.	28 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	21.2 kN
Basic static load rating $C_0$	37.5 kN
Fatigue load limit $P_u$	1.4 kN
Minimum load factor A	0.0085
Mass bearing (including seat washer where applicable)	0.083 kg