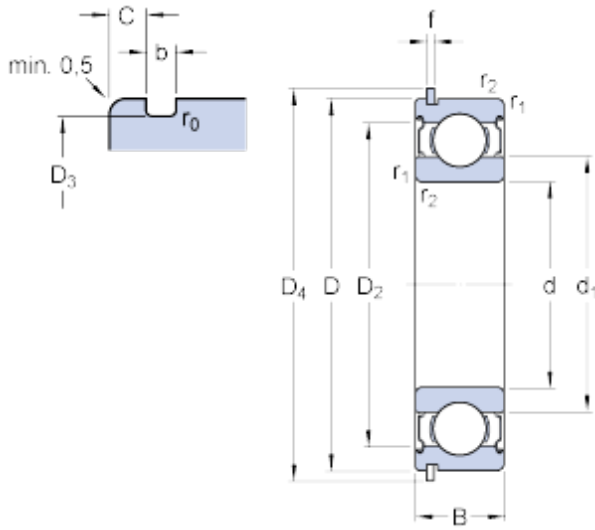




## Bearing Rolamentos do Brasil Ltda.



20 mm x 42 mm x 12 mm SKF 6004-2ZNR deep groove ball bearings

Bearing No. 6004-2ZNR

Size	42x20x12 mm
Bore Diameter	42 mm
Outer Diameter	20 mm
Width	12 mm
d	20 mm
D	42 mm
B	12 mm
d <sub>1</sub>	27.2 mm
D <sub>2</sub>	37.19 mm
D <sub>3</sub>	39.75 mm
D <sub>4</sub>	46.3 mm
b	1.35 mm
C	2.06 mm
f	1.12 mm
r <sub>0</sub>	0.4 mm
r <sub>1,2</sub> - min.	0.6 mm
d <sub>a</sub> - min.	23.2 mm
d <sub>a</sub> - max.	27.1 mm
D <sub>a</sub> - max.	38.8 mm
D <sub>b</sub> - min.	48 mm
b <sub>a</sub> - min.	1.5 mm
C <sub>a</sub> - max.	3.18 mm
r <sub>a</sub> - max.	0.6 mm
Basic dynamic load rating - C	10 kN

6004-2ZNR Bearing 2D drawings and 3D CAD models



## Bearing Rolamentos do Brasil Ltda.

Basic static load rating - $C_0$	5 kN
Fatigue load limit - $P_u$	0.212 kN
Reference speed	38000 r/min
Limiting speed	19000 r/min
Calculation factor - $k_r$	0.025
Calculation factor - $f_0$	14
Mass bearing	0.069 kg
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.076
EAN	7316570728194
Product Group	B00308
Enclosure	2 Metal Shields
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	20MM Bore; 42MM Outside Diameter; 12MM Outer Race Diameter; 2 Metal Shields; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68



## Bearing Rolamentos do Brasil Ltda.

Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6004-2ZNR
Weight / LBS	0.18
Outside Diameter	1.654 Inch   42 Millimeter
Bore	0.787 Inch   20 Millimeter
Outer Race Width	0.472 Inch   12 Millimeter
bore diameter:	20 mm
static load capacity:	5 kN
outside diameter:	42 mm
precision rating:	Not Rated
overall width:	12 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Double Shielded
outer ring width:	12 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	With Snap Ring
maximum rpm:	24000 RPM
internal clearance:	C0
series:	60
dynamic load capacity:	9.95 kN
$d_1$	27.2 mm
$D_2$	37.19 mm
$D_3$	39.75 mm
$D_4$	46.3 mm
$r_0$ max.	0.4 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	23.2 mm



## Bearing Rolamentos do Brasil Ltda.

$d_a$ max.	27.1 mm
$D_a$ max.	38.8 mm
$D_b$ min.	48 mm
$b_a$ min.	1.5 mm
$C_a$ max.	3.18 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	9.95 kN
Basic static load rating $C_0$	5 kN
Fatigue load limit $P_u$	0.212 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14
Snap ring	SP 42