

# 16022 SKF 170x110x19mm Basic dynamic load rating C 60.5 kN Deep groove ball bearings

Bearing number	16022
Size (mm)	170x110x19
Brand	SKF
Bore Diameter (mm)	170
Outer Diameter (mm)	110
Width (mm)	19
d	110 mm
D	170 mm
B	19 mm
d <sub>1</sub>	130 mm
D <sub>1</sub>	149.95 mm
r <sub>1,2</sub> – min.	1 mm
d <sub>a</sub> – min.	115 mm
D <sub>a</sub> – max.	165 mm
r <sub>a</sub> – max.	1 mm
Basic dynamic load rating – C	60.5 kN
Basic static load rating – C <sub>0</sub>	57 kN
Fatigue load limit – P <sub>u</sub>	2 kN
Reference speed	8000 r/min
Limiting speed	5000 r/min
Calculation factor – k <sub>r</sub>	0.02
Calculation factor – f <sub>0</sub>	16.3

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.501
EAN	7316577016010
Product Group – BDI	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch – Metric	Metric
Long Description	110MM Bore; 170MM Outside Diameter; 19MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category – BDI	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	16022
Weight / LBS	3.306

Outside Diameter	6.693 Inch   170 Millimeter
Outer Race Width	0.748 Inch   19 Millimeter
Bore	4.331 Inch   110 Millimeter
bore diameter:	110 mm
static load capacity:	57 kN
outside diameter:	170 mm
precision rating:	Not Rated
overall width:	19 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	19 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1 mm
snap ring included:	Without Snap Ring
maximum rpm:	5000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	60.5 kN
$d_1 \approx$	130 mm
$D_1 \approx$	149.95 mm
$r_{1,2} \text{ min.}$	1 mm
$d_a \text{ min.}$	115 mm
$D_a \text{ max.}$	165 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	60.5 kN
Basic static load rating $C_0$	57 kN

Fatigue load limit $P_u$	2.04 kN
Calculation factor $k_r$	0.02
Calculation factor $f_\theta$	16.3
Mass bearing	1.47 kg