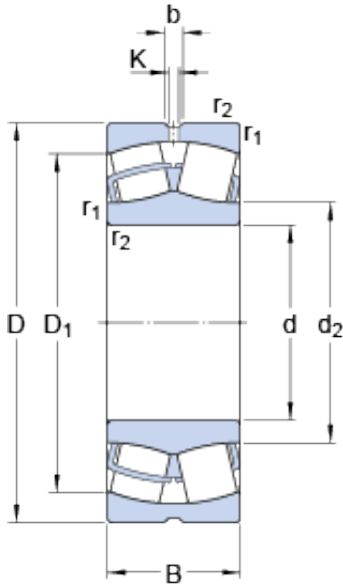




# BEARING FORGE OF AMERICA CORP.

25 mm x 52 mm x 18 mm skf 22205 e bearing

Bearing No. 22205 e



22205 e Bearing 2D drawings and 3D CAD models

Size	52x25x18 mm
Bore Diameter	52 mm
Outer Diameter	25 mm
Width	18 mm
d	25 mm
D	52 mm
B	18 mm
d <sub>2</sub>	31.3 mm
D <sub>1</sub>	44.2 mm
b	3.7 mm
K	2 mm
r <sub>1,2</sub> - min.	1 mm
d <sub>a</sub> - min.	30.6 mm
D <sub>a</sub> - max.	46.4 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	49.9 kN
Basic static load rating - C <sub>0</sub>	44 kN
Fatigue load limit - P <sub>u</sub>	4.8 kN
Reference speed	13000 r/min
Limiting speed	17000 r/min
Calculation factor - e	0.35
Calculation factor - Y <sub>1</sub>	1.9
Calculation factor - Y <sub>2</sub>	2.9
Calculation factor - Y <sub>0</sub>	1.8



## BEARING FORGE OF AMERICA CORP.

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.174
EAN	7316571653242
Product Group	B04311
Internal Clearance	C0-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	Not Applicable
Withdrawal Nut	Not Applicable
Inch - Metric	Metric
Long Description	25MM Straight Bore; 52MM Outside Diameter; 18MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Weight / LBS	0.408
Outside Diameter	2.047 Inch   52 Millimeter



## BEARING FORGE OF AMERICA CORP.

Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Width	0.709 Inch   18 Millimeter
Bore	0.984 Inch   25 Millimeter
bore diameter:	25 mm
maximum rpm:	17000 RPM
outside diameter:	52 mm
operating temperature range:	Maximum of +390 ° F
overall width:	18 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	18 mm
dynamic load capacity:	49 kN
fillet radius:	1 mm
static load capacity:	44 kN
series:	222
$d_2$	31.3 mm
$D_1$	44.2 mm
$r_{1,2}$ min.	1 mm
$d_a$ min.	30.6 mm
$D_a$ max.	46.4 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	49.9 kN
Basic static load rating $C_0$	44 kN



## BEARING FORGE OF AMERICA CORP.

Fatigue load limit $P_u$	4.75 kN
Calculation factor $e$	0.35
Calculation factor $Y_1$	1.9
Calculation factor $Y_2$	2.9
Calculation factor $Y_0$	1.8
Mass bearing	0.26 kg