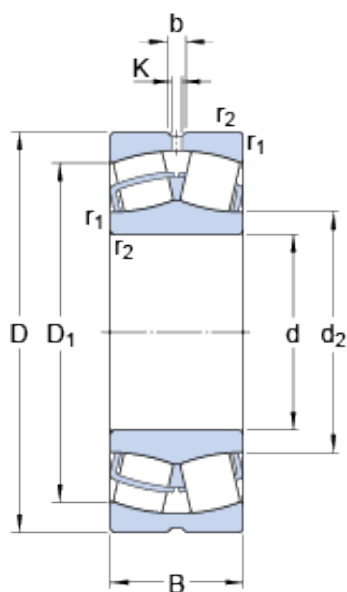




Bearing No. 22205 E

b	3.7 mm
K	2 mm
d	25 mm
D	52 mm
B	18 mm
Noun	Bearing
Bore	0.984 Inch 25 Millimeter
Width	0.709 Inch 18 Millimeter
UNSPSC	31171510
series:	222
Category	Spherical Roller Bearing
Size (mm)	52x25x18
Enclosure	Open
Inventory	0.0
bore type:	Straight
Width (mm)	18
cage type:	Inner Ring Guided
maximum rpm:	17000 RPM
Weight / LBS	0.408
Bore Profile	Straight
Mass bearing	0.26 kg
D ₁	44.2 mm
Cage Material	Steel
closure type:	Open
d ₂	31.3 mm
Product Group	B04311
Inch - Metric	Metric
fillet radius:	1 mm

cage material:	Steel
overall width:	18 mm
bore diameter:	25 mm
Keyword String	Spherical
Withdrawal Nut	Not Applicable
Relubricatable	Yes
Bearing number	22205 E
Limiting speed	17000 r/min
Reference speed	13000 r/min
finish/coating:	Uncoated
Rolling Element	Spherical Roller Bearing
Mounting Method	Shaft Mount
Outside Diameter	2.047 Inch 52 Millimeter
outer ring type:	Not Split
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
Manufacturer URL	http://www.skf.com
Weight / Kilogram	0.174
precision rating:	Not Rated
Withdrawal Sleeve	Not Applicable
outer ring width:	18 mm
outside diameter:	52 mm
bearing material:	Steel
Manufacturer Name	SKF
D _a max.	46.4 mm
Bore Diameter (mm)	52

Internal Clearance	C0-Medium
r_a max.	1 mm
d_a min.	30.6 mm
internal clearance:	C0
Outer Diameter (mm)	25
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
d_a - min.	30.6 mm
$r_{1,2}$ min.	1 mm
Minimum Buy Quantity	N/A
D_a - max.	46.4 mm
r_a - max.	1 mm
Calculation factor e	0.35
D_1 ?	44.2 mm
d_2 ?	31.3 mm
static load capacity:	44 kN
Calculation factor - e	0.35
dynamic load capacity:	49 kN
$r_{1,2}$ - min.	1 mm
lubrication hole type:	Lubrication Groove & Hole
Harmonized Tariff Code	84823080
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	49.9 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	49.9 kN
Calculation factor Y_1	1.9
Fatigue load limit P_u	4.75 kN
Calculation factor Y_2	2.9
Calculation factor Y_0	1.8

Calculation factor - Y_1	1.9
Calculation factor - Y_2	2.9
Calculation factor - Y_0	1.8
Fatigue load limit - P_u	4.8 kN
Basic static load rating C_0	44 kN
Basic static load rating - C_0	44 kN