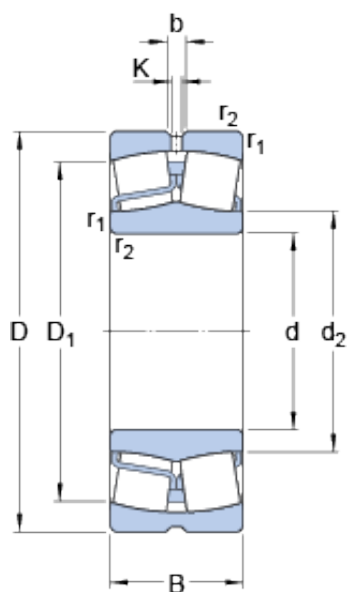




Bearing No. 22220 E

b	8.3 mm
K	4.5 mm
d	100 mm
D	180 mm
B	46 mm
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
Width	1.811 Inch 46 Millimeter
UNSPSC	31171510
series:	222
Category	Spherical Roller Bearing
Size (mm)	180x100x46
Enclosure	Open
Inventory	0.0
bore type:	Straight
Width (mm)	46
cage type:	Inner Ring Guided
maximum rpm:	4500 RPM
Weight / LBS	10.891
Bore Profile	Straight
Mass bearing	4.9 kg
D ₁	159 mm
Cage Material	Steel
closure type:	Open
d ₂	118 mm
Product Group	B04311
Inch - Metric	Metric
fillet radius:	2 mm

cage material:	Steel
overall width:	46 mm
bore diameter:	100 mm
Keyword String	Spherical
Withdrawal Nut	Not Applicable
Relubricatable	Yes
Bearing number	22220 E
Limiting speed	4500 r/min
finish/coating:	Uncoated
Rolling Element	Spherical Roller Bearing
Mounting Method	Shaft Mount
Reference speed	3400 r/min
outer ring type:	Not Split
Manufacturer URL	http://www.skf.com
Long Description	100MM Straight Bore; 180MM Outside Diameter; 46MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Outside Diameter	7.087 Inch 180 Millimeter
outside diameter:	180 mm
Manufacturer Name	SKF
precision rating:	Not Rated
Weight / Kilogram	4.945
bearing material:	Steel
Withdrawal Sleeve	Not Applicable
outer ring width:	46 mm
Bore Diameter (mm)	180
d _a min.	112 mm

D _a max.	168 mm
r _a max.	2 mm
Internal Clearance	C0-Medium
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outer Diameter (mm)	100
internal clearance:	C0
Minimum Buy Quantity	N/A
r _{1,2} min.	2.1 mm
d _a - min.	112 mm
D _a - max.	168 mm
r _a - max.	2 mm
Calculation factor e	0.24
D ₁ ?	159 mm
d ₂ ?	118 mm
static load capacity:	490 kN
Calculation factor - e	0.24
dynamic load capacity:	425 kN
r _{1,2} - min.	2.1 mm
lubrication hole type:	Lubrication Groove & Hole
Harmonized Tariff Code	84823080
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	433 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	433 kN
Calculation factor Y ₁	2.8
Fatigue load limit P _u	49 kN
Calculation factor Y ₂	4.2
Calculation factor Y ₀	2.8

Calculation factor - Y_1	2.8
Calculation factor - Y_2	4.2
Calculation factor - Y_0	2.8
Fatigue load limit - P_u	49 kN
Basic static load rating C_0	490 kN
Basic static load rating - C_0	490 kN