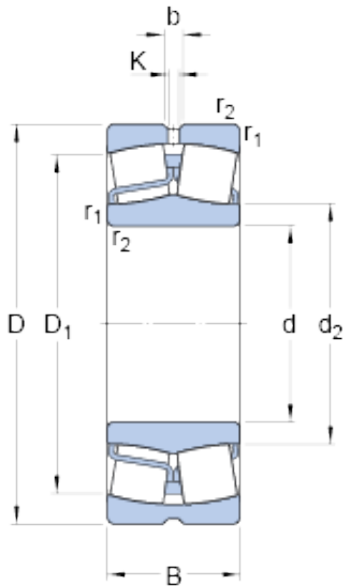




AMERICAN Timken BEARING MFG.CORP.

70 mm x 150 mm x 51 mm SKF 22314 E spherical roller bearings

Bearing No. 22314 E



22314 E Bearing 2D drawings and 3D CAD models

Size	150x70x51 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	51 mm
d	70 mm
D	150 mm
B	51 mm
d ₂	90.3 mm
D ₁	128 mm
b	8.3 mm
K	4.5 mm
r _{1,2} - min.	2.1 mm
d _a - min.	82 mm
D _a - max.	138 mm
r _a - max.	2 mm
Basic dynamic load rating - C	413 kN
Basic static load rating - C ₀	430 kN
Fatigue load limit - P _u	45 kN
Reference speed	3400 r/min
Limiting speed	4500 r/min
Calculation factor - e	0.33
Calculation factor - Y ₁	2
Calculation factor - Y ₂	3
Calculation factor - Y ₀	2



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Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.373
EAN	7316570790306
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	70MM Straight Bore; 150MM Outside Diameter; 51MM 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	http://www.skf.com
Weight / LBS	9.633
Outside Diameter	5.906 Inch 150 Millimeter



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Bore	2.756 Inch 70 Millimeter
Width	2.008 Inch 51 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
bore diameter:	70 mm
maximum rpm:	4500 RPM
outside diameter:	150 mm
operating temperature range:	Maximum of +390 ° F
overall width:	4.3800 in
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
precision rating:	Not Rated
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	51 mm
lubrication hole type:	Lubrication Groove & Hole
fillet radius:	2 mm
dynamic load capacity:	400 kN
series:	223
static load capacity:	430 kN
d_2	90.3 mm
D_1	128 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	82 mm
D_a max.	138 mm
r_a max.	2 mm
Basic dynamic load rating C	413 kN
Basic static load rating C_0	430 kN
Fatigue load limit P_u	45 kN



AMERICAN Timken BEARING MFG.CORP.

Calculation factor e	0.33
Calculation factor Y_1	2
Calculation factor Y_2	3
Calculation factor Y_0	2
Mass bearing	4.55 kg