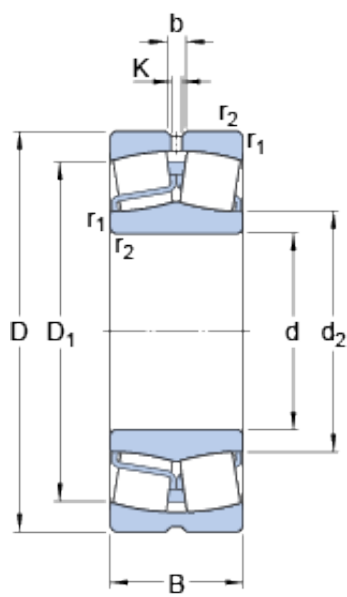




Bearing No. 22314 E/VA405

b	8.3 mm
d	70 mm
D	150 mm
B	51 mm
K	4.5 mm
Noun	Bearing
Bore	2.756 Inch 70 Millimeter
Width	2.008 Inch 51 Millimeter
UNSPSC	31171510
series:	223
Category	Spherical Roller Bearing
Inventory	0.0
Size (mm)	150x70x51
Enclosure	Open
Width (mm)	51
bore type:	Straight
Weight / LBS	9.633
Mass bearing	4.55 kg
maximum rpm:	4500 RPM
Bore Profile	Straight
application:	Vibratory Applications
closure type:	Open
Inch - Metric	Metric
D ₁	128 mm
d ₂	90.3 mm
Product Group	B04311
Cage Material	Steel
bore diameter:	70 mm

overall width:	51 mm
Keyword String	Spherical
cage material:	Steel
Withdrawal Nut	Not Applicable
Relubricatable	Yes
fillet radius:	2 mm
Bearing number	22314 E/VA405
Limiting speed	4500 r/min
Rolling Element	Spherical Roller Bearing
finish/coating:	Uncoated
Mounting Method	Shaft Mount
Reference speed	3400 r/min
Manufacturer URL	http://www.skf.com
outer ring type:	Not Split
Outside Diameter	5.906 Inch 150 Millimeter
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
bearing material:	Steel
Manufacturer Name	SKF
outside diameter:	150 mm
outer ring width:	51 mm
Weight / Kilogram	4.373
Withdrawal Sleeve	Not Applicable
precision rating:	Not Rated
d _a min.	82 mm
D _a max.	138 mm

Bore Diameter (mm)	150
r_a max.	2 mm
Internal Clearance	C0-Medium
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outer Diameter (mm)	70
internal clearance:	C0
$r_{1,2}$ min.	2.1 mm
Calculation factor e	0.33
d_a - min.	82 mm
D_a - max.	138 mm
r_a - max.	2 mm
Minimum Buy Quantity	N/A
d_2 ?	90.3 mm
static load capacity:	430 kN
D_1 ?	128 mm
Harmonized Tariff Code	84823080
Calculation factor - e	0.33
$r_{1,2}$ - min.	2.1 mm
lubrication hole type:	Lubrication Groove & Hole
dynamic load capacity:	400 kN
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	413 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	413 kN
Fatigue load limit P_u	45 kN
Calculation factor Y_1	2
Calculation factor Y_2	3
Calculation factor Y_0	2

Fatigue load limit - P_u	45 kN
Calculation factor - Y_0	2
Calculation factor - Y_1	2
Calculation factor - Y_2	3
Basic static load rating C_0	430 kN
Basic static load rating - C_0	430 kN
Permissible linear acceleration (oil lubrication)	226 g [m/s]
Permissible rotational acceleration (oil lubrication)	598 g [m/s]