



### Bearing No. 22315 EJA/VA405

K	4,5 mm
d	75 mm
D	160 mm
B	55 mm
C	55 mm
b	8,3 mm
D1	135 mm
d2	92,8 mm
Bore	2.953 Inch   75 Millimeter
Noun	Bearing
Width	2.165 Inch   55 Millimeter
UNSPSC	31171510
Weight	5,55 Kg
ra max.	2 mm
Da max.	148 mm
da min.	87 mm
r2 min.	2,1 mm
r1 min.	2,1 mm
series:	223
Category	Spherical Roller Bearing
Size (mm)	75x160x55
Enclosure	Open
Inventory	2.0
Width (mm)	55
cage type:	Outer Ring Guided
bore type:	Straight
Mass bearing	5.55 kg
Bore Profile	Straight
application:	Vibratory Applications

maximum rpm:	4300 RPM
Weight / LBS	11.98
Cage Material	Steel
closure type:	Open
Product Group	B04311
Inch - Metric	Metric
Keyword String	Spherical
bore diameter:	75 mm
cage material:	Steel
overall width:	55 mm
Withdrawal Nut	Not Applicable
fillet radius:	2 mm
Bearing number	22315 EJA/VA405
Relubricatable	Yes
Limiting speed	4 300 r/min
Rolling Element	Spherical Roller Bearing
Mounting Method	Shaft Mount
finish/coating:	Uncoated
Reference speed	3 200 r/min
Long Description	75MM Straight Bore; 160MM Outside Diameter; 55MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	6.299 Inch   160 Millimeter
outer ring type:	Not Split
Withdrawal Sleeve	Not Applicable
bearing material:	Steel

outer ring width:	55 mm
precision rating:	Not Rated
outside diameter:	160 mm
Weight / Kilogram	5.439
Manufacturer Name	SKF
$d_a$ min.	87 mm
$D_a$ max.	148 mm
$r_a$ max.	2 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	75
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
internal clearance:	C0
Outer Diameter (mm)	160
$r_{1,2}$ min.	2.1 mm
Minimum Buy Quantity	N/A
Calculation factor e	0.35
static load capacity:	475 kN
$D_1$ ?	135 mm
$d_2$ ?	92.8 mm
Harmonized Tariff Code	84823080
lubrication hole type:	Lubrication Groove & Hole
Calculation factor (e)	0,35
dynamic load capacity:	440 kN
Fatigue load limit (Pu)	48
Calculation factor (Y0)	1,8
Calculation factor (Y1)	1,9
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	462 kN
operating temperature range:	Maximum of +390 °F

Basic dynamic load rating (C)	440 kN
Basic static load rating (C <sub>0</sub> )	475 kN
Fatigue load limit P <sub>u</sub>	48 kN
Calculation factor Y <sub>1</sub>	1.9
Calculation factor Y <sub>2</sub>	2.9
Calculation factor Y <sub>0</sub>	1.8
Basic static load rating C <sub>0</sub>	475 kN
Permissible linear acceleration (oil lubrication)	226 m/s <sup>2</sup>
Permissible rotational acceleration (oil lubrication)	863 m/s <sup>2</sup>