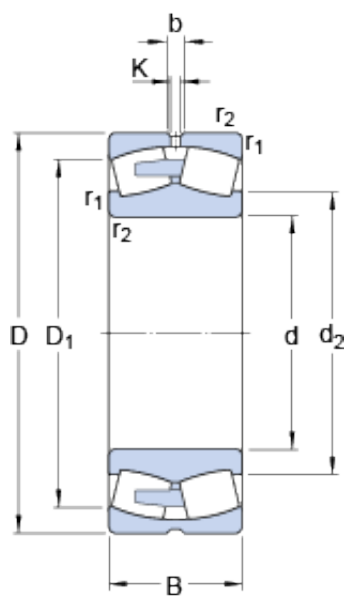




Bearing No. 24184 ECA/W33

b	22.3 mm
K	12 mm
d	420 mm
D	700 mm
B	280 mm
Noun	Bearing
Bore	16.535 Inch 420 Millimeter
Width	11.024 Inch 280 Millimeter
UNSPSC	31171510
series:	241
Category	Spherical Roller Bearing
Size (mm)	700x420x280
Enclosure	Open
Inventory	0.0
bore type:	Straight
Width (mm)	280
cage type:	Inner Ring Guided
maximum rpm:	480 RPM
Weight / LBS	1,034.628
Bore Profile	Straight
Mass bearing	445 kg
D ₁	597 mm
Cage Material	Bronze
closure type:	Open
d ₂	494 mm
Product Group	B04311
Inch - Metric	Metric
fillet radius:	5 mm

cage material:	Brass
overall width:	280 mm
bore diameter:	420 mm
Keyword String	Spherical
Withdrawal Nut	Not Applicable
Relubricatable	Yes
Bearing number	24184 ECA/W33
Limiting speed	480 r/min
finish/coating:	Uncoated
Rolling Element	Spherical Roller Bearing
Mounting Method	Shaft Mount
Reference speed	320 r/min
outer ring type:	Not Split
Outside Diameter	27.559 Inch 700 Millimeter
Long Description	420MM Straight Bore; 700MM Outside Diameter; 280MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Bronze Cage Material; Open Enclosure; Relubricatable
Manufacturer URL	http://www.skf.com
Manufacturer Name	SKF
precision rating:	Not Rated
Weight / Kilogram	469.72
bearing material:	Steel
outside diameter:	700 mm
Withdrawal Sleeve	Not Applicable
outer ring width:	280 mm
Bore Diameter (mm)	700
d _a min.	446 mm

D _a max.	674 mm
r _a max.	5 mm
Internal Clearance	C0-Medium
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outer Diameter (mm)	420
internal clearance:	C0
Minimum Buy Quantity	N/A
r _{1,2} min.	6 mm
d _a - min.	446 mm
D _a - max.	674 mm
r _a - max.	5 mm
Calculation factor e	0.4
D ₁ ?	597 mm
d ₂ ?	494 mm
static load capacity:	12600 kN
Calculation factor - e	0.4
dynamic load capacity:	7350 kN
r _{1,2} - min.	6 mm
lubrication hole type:	Lubrication Groove & Hole
Harmonized Tariff Code	84823080
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	7577 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	7577 kN
Calculation factor Y ₁	1.7
Fatigue load limit P _u	850 kN
Calculation factor Y ₂	2.5
Calculation factor Y ₀	1.6

Calculation factor - Y_1	1.7
Calculation factor - Y_2	2.5
Calculation factor - Y_0	1.6
Fatigue load limit - P_u	865 kN
Basic static load rating C_0	12500 kN
Basic static load rating - C_0	12500 kN