



Jinan Guotai Bearing Co., Ltd



2216 EKTN9 Bearing 2D drawings and 3D CAD models

80 mm x 140 mm x 33 mm SKF 2216 EKTN9 Self Aligning Ball Bearings

Bearing No. 2216 EKTN9

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.9
EAN	7316577032515
Product Group	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-316
Cage Material	Polyamide
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 2.5 Deg High Capacity Design 1:12 Taper
Long Description	80MM Bore; Tapered Adapter Mount; 140MM Outside Diameter; 33MM Inner Race Width; 33MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch - Metric	Metric
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UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2216 EKTN9
Weight / LBS	4.189
D	5.512 Inch 140 Millimeter
d	3.15 Inch 80 Millimeter
Outer Race Width	1.299 Inch 33 Millimeter
Inner Race Width	1.299 Inch 33 Millimeter
bore diameter:	80 mm
precision rating:	Not Rated
outside diameter:	140 mm
maximum rpm:	6000 RPM
overall width:	33 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Tapered 1:12
finish/coating:	Uncoated
closure type:	Open
maximum misalignment:	2.5 °
internal clearance:	C3
outer ring width:	33 mm
dynamic load capacity:	65 kN
fillet radius:	2 mm
static load capacity:	25.5 kN
series:	2200
d	80 mm
D	140 mm
B	33 mm
d ₁	99 mm
D ₁	125.2 mm



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$r_{1,2}$ min.	2 mm
D_a max.	129 mm
r_a max.	2 mm
Basic dynamic load rating C	65 kN
Basic static load rating C_0	25.5 kN
Fatigue load limit P_u	1.25 kN
Reference speed	8500 r/min
Limiting speed	6000 r/min
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.045
Calculation factor e	0.22
Calculation factor Y_0	2.8
Calculation factor Y_1	2.9
Calculation factor Y_2	4.5
Mass bearing	1.9 kg