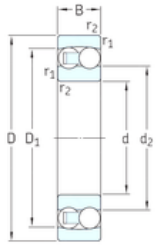
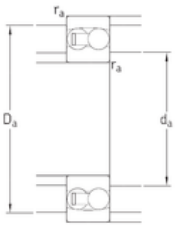
Loyal | 2306



Cylindrical bore

Tapered bore



Bearing No. 2306

B	27 mm
C	27 mm
d	30 mm
D	72 mm
d2	41,7 mm
D1	60,9 mm
Bore	1.181 Inch | 30 Millimeter
Noun	Bearing
Weight	0,5 Kg
UNSPSC	31171532
r1 min.	1,1 mm
r2 min.	1,1 mm
series:	2300
da min.	37 mm
ra max.	1,1 mm
Da max.	65 mm
Category	Self Aligning Ball Bearings
Enclosure	Open
Size (mm)	30x72x27
Inventory	0.0
bore type:	Straight
Width (mm)	27
Weight / LBS	1.144
maximum rpm:	13000 RPM
Mass bearing	0.5 kg
Product Group	B00152
Cage Material	Steel
closure type:	Open
Inch - Metric	Metric

Bearing number	2306
overall width:	27 mm
Keyword String	Self Aligning
Limiting speed	13000 r/min
bore diameter:	30 mm
Other Features	Allowable Misalignment 3 Deg
fillet radius:	1.1 mm
finish/coating:	Uncoated
Precision Class	ABEC 1 | ISO P0
Rolling Element	Ball Bearing
Mounting Method	Shaft
Reference speed	18000 r/min
Outside Diameter	2.835 Inch | 72 Millimeter
Long Description	30MM Bore; Shaft Mount; 72MM Outside Diameter; 27MM Inner Race Width; 27MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 | ISO P0; C0-Medium
Inner Race Width	1.063 Inch | 27 Millimeter
Manufacturer URL	http://www.skf.com
Outer Race Width	1.063 Inch | 27 Millimeter
Weight / Kilogram	0.519
outside diameter:	72 mm
outer ring width:	27 mm
precision rating:	Not Rated
Manufacturer Name	SKF
Bore Diameter (mm)	30
r_a max.	1.1 mm

D_a max.	65 mm
d_a min.	37 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	72
internal clearance:	C0
Calculation factor e	0.44
$r_{1,2}$ min.	1.1 mm
Minimum Buy Quantity	N/A
d_1 ?	41.9 mm
static load capacity:	8.8 kN
D_1 ?	59.8 mm
Calculation factor (e)	0,44
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	31.2 kN
Calculation factor (kr)	0,05
Calculation factor (Y1)	1,4
Calculation factor (Y0)	1,4
Number of Rows of Balls	Double Row
Fatigue load limit (Pu)	0,45
Manufacturer Item Number	2306
Basic dynamic load rating C	31.2 kN
Basic static load rating (C0)	8,8 kN
Basic dynamic load rating (C)	31,2 kN
Fatigue load limit P_u	0.45 kN
Calculation factor k_r	0.05
Calculation factor Y_0	1.4
Calculation factor Y_1	1.4
Calculation factor Y_2	2.2
Permissible angular misalignment ?	3 °

Basic static load rating C_0	8.8 kN