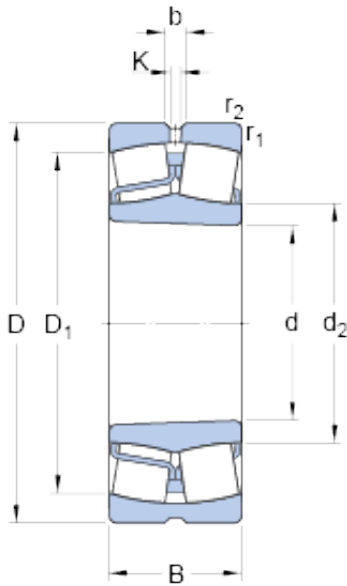




Bearing Rolamentos do Brasil Ltda.

90 mm x 160 mm x 40 mm SKF 22218 EK
spherical roller bearings

Bearing No. 22218 EK



22218 EK Bearing 2D drawings and 3D CAD models

Size	160x90x40 mm
Bore Diameter	160 mm
Outer Diameter	90 mm
Width	40 mm
d	90 mm
D	160 mm
B	40 mm
d ₂	106 mm
D ₁	141 mm
b	6 mm
K	3 mm
r _{1,2} - min.	2 mm
d _a - min.	97.2 mm
d _a - max.	106 mm
D _a - max.	149 mm
r _a - max.	2 mm
Basic dynamic load rating - C	331 kN
Basic static load rating - C ₀	375 kN
Fatigue load limit - P _u	39 kN
Reference speed	3800 r/min
Limiting speed	5300 r/min
Calculation factor - e	0.24
Calculation factor - Y ₁	2.8
Calculation factor - Y ₂	4.2



Bearing Rolamentos do Brasil Ltda.

Calculation factor - Y_0	2.8
Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.398
EAN	7316570641493
Product Group	B04311
Internal Clearance	C0-Medium
Mounting Method	Adapter Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Tapered
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	AHX318 (Specify bore)
Withdrawal Nut	KM20
Inch - Metric	Metric
Long Description	90MM Tapered Bore; 160MM Outside Diameter; 40MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Nu
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080



Bearing Rolamentos do Brasil Ltda.

Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.skf.com
Weight / LBS	7.485
Width	1.575 Inch 40 Millimeter
Adapter Part Number	SNW18 H318 HA318 HS318 (Specify Bore) Inch H318 (Specify bore) Millimeter
Bore	3.543 Inch 90 Millimeter
Outside Diameter	6.299 Inch 160 Millimeter
bore diameter:	90 mm
maximum rpm:	5300 RPM
outside diameter:	160 mm
operating temperature range:	Maximum of +390 ° F
overall width:	40 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	40 mm
dynamic load capacity:	325 kN
fillet radius:	2 mm
static load capacity:	375 kN
series:	222
d ₂	106 mm



Bearing Rolamentos do Brasil Ltda.

D_1	141 mm
$r_{1,2}$ min.	2 mm
D_a max.	149 mm
r_a max.	2 mm
Basic dynamic load rating C	331 kN
Basic static load rating C_0	375 kN
Fatigue load limit P_u	39 kN
Calculation factor e	0.24
Calculation factor Y_1	2.8
Calculation factor Y_2	4.2
Calculation factor Y_0	2.8
Mass bearing	3.35 kg
Recommended lock nut tightening angle	150 °