



TIMKEN BEARINGS INDUSTRY



22308 EK Bearing 2D drawings and 3D CAD models

40 mm x 90 mm x 33 mm SKF 22308 EK Spherical Roller Bearings

Bearing No. 22308 EK

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.029
EAN	7316571570570
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	AH2308 (Specify bore)
Withdrawal Nut	KM9
Inch - Metric	Metric
Long Description	40MM Tapered Bore; 90MM Outside Diameter; 33MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Num
Other Features	Order adapter or



TIMKEN BEARINGS INDUSTRY

	withdrawal sleeve or nut separately. Others may be available
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.skf.com
Weight / LBS	2.266
d	1.575 Inch 40 Millimeter
Adapter Part Number	SNW108 H2308 HE2308 (Specify bore) Inch H2308 (Specify bore) Millimeter
D	3.543 Inch 90 Millimeter
B	1.299 Inch 33 Millimeter
bore diameter:	40 mm
maximum rpm:	8000 RPM
outside diameter:	90 mm
operating temperature range:	Maximum of +390 ° F
overall width:	33 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:	33 mm
dynamic load capacity:	150 kN



TIMKEN BEARINGS INDUSTRY

fillet radius:	1.5 mm
static load capacity:	140 kN
series:	223
d	40 mm
D	90 mm
B	33 mm
d ₂	49.9 mm
D ₁	74.3 mm
b	6 mm
K	3 mm
r _{1,2} min.	1.5 mm
D _a max.	81 mm
r _a max.	1.5 mm
Basic dynamic load rating C	155 kN
Basic static load rating C ₀	140 kN
Fatigue load limit P _u	15 kN
Reference speed	6000 r/min
Limiting speed	8000 r/min
Calculation factor e	0.37
Calculation factor Y ₁	1.8
Calculation factor Y ₂	2.7
Calculation factor Y ₀	1.8
Mass bearing	1.05 kg
Recommended lock nut tightening angle	115 °