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SIR 70 ES Bearing 2D drawings and 3D CAD models

SKF SIR 70 ES Spherical Plain Bearings - Rod Ends

Bearing No. SIR 70 ES

Category	Spherical Plain Bearings - Rod Ends
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	8.916
EAN	7316577106728
Product Group	B04286
Stud Profile	Female
Mounting Thread	M65 X 1.5
Thread Direction	Right Hand
Rolling Element	Spherical Plain
Material - Outer Member	Cast Iron
Material - Ball	Steel
Material - Liner	Steel
Relubricatable	Yes
Enclosure	Open
Other Features	3 Piece
Long Description	70MM Bore; 55.5MM House Width; Female Stud Profile; M65 X 1.5; Right Hand Thread Direction; Spherical Plain Bearing; Cast Iron Outer Member; Steel Bal
Inch - Metric	Metric
Category	Plain Bearing Spherical Rod Ends



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UNSPSC	31171508
Harmonized Tariff Code	8483.30.80.55
Noun	Bearing
Keyword 3	Rod End
Keyword String	Plain Spherical Rod End
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	SIR 70 ES
Weight / LBS	20.723
Ball Width	1.929 Inch 49 Millimeter
Housing Width	2.185 Inch 55.5 Millimeter
d	2.756 Inch 70 Millimeter
bore diameter:	70 mm
ball material:	Steel
misalignment angle:	6 °
race material:	Steel
shank thread length:	66 mm
radial static load capacity:	450 kN
rod end type:	Female Threaded
operating temperature range:	-50 to +300 ° C
shank thread size:	M65x1.5
head diameter:	156 mm
thread direction:	Right Hand
head width:	55.5 mm
lubrication type:	With Lubrication Fitting
ball width:	49 mm
housing material:	Cast Iron
length to ball center:	150 mm
d	70 mm
d ₂ max.	156.5 mm
B	49 mm
G	M 65x1.5
C ₁ max.	55.5 mm



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h_1	150 mm
	6 °
d_k	92 mm
d_4 max.	87.5 mm
l_3 min.	66 mm
l_4 max.	234.5 mm
l_7 min.	74 mm
N max.	130 mm
N_1 max.	55.5 mm
r_1 min.	1 mm
Size bolt with internal hexagon	M 16
Tightening torque bolt with internal hexagon	79 N · m
Basic dynamic load rating C	315 kN
Basic static load rating C_0	450 kN
Specific dynamic load factor K	100 N/mm ²
Material constant K_M	330
Mass rod end	9.88 kg