



Bearing No. GEM 80 ES-2RS

D	120 mm
d	80 mm
B	74 mm
C	45 mm
b	7.7 mm
M	4 mm
?	4 °
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
UNSPSC	31171515
?	4 °
Category	Plain Bearings Spherical Radial
Inventory	0.0
Size (mm)	120x80x74
Keyword 3	Spherical
Enclosure	2 Seals
Lubricant	Regular relubrication – grease
Width (mm)	74
Weight / LBS	5.512
dk	105 mm
Self Aligning	Yes
Product Group	B04264
Inch - Metric	Metric
b ₁	7.7 mm
dk	105 mm
d ₁	90 mm
closure type:	Sealed
Overall Width	2.913 Inch 74 Millimeter

b ₁	7.7 mm
Housing Width	1.772 Inch 45 Millimeter
bearing type:	Radial
Keyword String	Plain Spherical Radial
bore diameter:	80 mm
Other Features	2 Piece Extended Inner Ring on Both Sides Double Lip Seals Lubrication Hole and an Annular Groove in Both Rings
overall width:	74 mm
Relubricatable	Yes
Bearing number	GEM 80 ES-2RS
Material - Ball	Steel
Rolling Element	Spherical Plain
Material - Liner	Not Applicable
Long Description	80MM Bore; 45MM Housing Width; 120MM Outside Diameter; Spherical Plain; Steel Outer Member; Steel Ball; No Liner; 74MM Overall Width; Relubricatable
Outside Diameter	4.724 Inch 120 Millimeter
Sealing solution	Double-lip seals
Manufacturer URL	http://www.skf.com
outer ring width:	45 mm
inner ring width:	74 mm
lubrication type:	Requires Lubrication
outside diameter:	120 mm
Weight / Kilogram	2.5
Manufacturer Name	SKF

d_a max.	90 mm
D_a min.	104.4 mm
r_2 min.	1 mm
r_1 min.	0.6 mm
Bore Diameter (mm)	120
D_a max.	113.8 mm
r_a max.	0.6 mm
r_b max.	1 mm
d_a min.	86.1 mm
Mass plain bearing	2.5 kg
misalignment angle:	4 °
Outer Diameter (mm)	80
outer ring material:	Steel
Minimum Buy Quantity	N/A
D_a - min.	104.4 mm
r_1 - min.	0.6 mm
r_b - max.	1 mm
r_2 - min.	1 mm
d_a - max.	90 mm
inner ring material:	Steel
r_a - max.	0.6 mm
D_a - max.	113.8 mm
d_a - min.	86.1 mm
d_1 ?	90 mm
Harmonized Tariff Code	8483.30.80.70
Material - Outer Member	Steel
Manufacturer Item Number	GEM 80 ES-2RS
Constant - K_M	330
manufacturer upc number:	7316577106810
Basic dynamic load rating C	400 kN

operating temperature range:	-30 to +130 °C °F
radial static load capacity:	2000 kN
Basic dynamic load rating - C	400 kN
radial dynamic load capacity:	400 kN
Specific dynamic load factor K	100 N/mm ²
Material constant K_M	330
Specific factor dynamic load - K	100 N/mm ²
Basic static load rating C_0	2000 kN
Basic static load rating - C_0	2000 kN
Specific static load factor K_0	500 N/mm ²
Specific factor static load - K_0	500 N/mm ²
Design (sliding contact surface combination)	Steel/steel