



Bearing No. GE 180 ES-2RS

D	260 mm
d	180 mm
B	105 mm
C	80 mm
b	13.5 mm
M	6 mm
?	6 °
Noun	Bearing
Bore	7.087 Inch   180 Millimeter
UNSPSC	31171515
?	6 °
Category	Plain Bearings Spherical Radial
Inventory	0.0
Size (mm)	260x180x105
Keyword 3	Spherical
Enclosure	2 Seals
Lubricant	Regular relubrication – grease
Width (mm)	105
Weight / LBS	40.786
closure type:	Sealed
Self Aligning	Yes
Product Group	B04264
Inch - Metric	Metric
b <sub>1</sub>	13.5 mm
dk	225 mm
b <sub>1</sub>	13.5 mm
dk	225 mm
Housing Width	3.15 Inch   80 Millimeter

Overall Width	4.134 Inch   105 Millimeter
bearing type:	Radial
Relubricatable	Yes
Keyword String	Plain Spherical Radial
Other Features	2 Piece   Double Lip Seals   Lubrication Hole and an Annular Groove in Both Rings
bore diameter:	180 mm
overall width:	105 mm
Bearing number	GE 180 ES-2RS
Material - Ball	Steel
Rolling Element	Spherical Plain
Material - Liner	Not Applicable
Long Description	180MM Bore; 80MM Housing Width; 260MM Outside Diameter; Spherical Plain; Steel Outer Member; Steel Ball; No Liner; 105MM Overall Width; Relubricatable
Outside Diameter	10.236 Inch   260 Millimeter
Sealing solution	Double-lip seals
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
outer ring width:	80 mm
inner ring width:	105 mm
lubrication type:	Requires Lubrication
outside diameter:	260 mm
Weight / Kilogram	20.618
Manufacturer Name	SKF
d <sub>a</sub> max.	199 mm
D <sub>a</sub> min.	224.5 mm
r <sub>2</sub> min.	1.1 mm

r <sub>1</sub> min.	1.1 mm
Bore Diameter (mm)	260
D <sub>a</sub> max.	250.5 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	1 mm
d <sub>a</sub> min.	191 mm
Mass plain bearing	18.5 kg
misalignment angle:	6 °
Outer Diameter (mm)	180
inner ring material:	Steel
outer ring material:	Steel
Minimum Buy Quantity	N/A
D <sub>a</sub> - min.	224.5 mm
r <sub>1</sub> - min.	1.1 mm
r <sub>b</sub> - max.	1 mm
r <sub>2</sub> - min.	1.1 mm
d <sub>a</sub> - max.	199 mm
r <sub>a</sub> - max.	1 mm
D <sub>a</sub> - max.	250.5 mm
d <sub>a</sub> - min.	191 mm
Harmonized Tariff Code	8483.30.80.70
Material - Outer Member	Steel
manufacturer upc number:	7316576609589
Constant - K <sub>M</sub>	330
Manufacturer Item Number	GE 180 ES-2RS
Basic dynamic load rating C	1530 kN
operating temperature range:	-30 to +130 °C °F
radial static load capacity:	7650 kN
Basic dynamic load	1530 kN

rating - C	
radial dynamic load capacity:	1530 kN
Specific dynamic load factor K	100 N/mm <sup>2</sup>
Material constant $K_M$	330
Specific factor dynamic load - K	100 N/mm <sup>2</sup>
Basic static load rating $C_0$	7650 kN
Basic static load rating - $C_0$	7650 kN
Specific static load factor $K_0$	500 N/mm <sup>2</sup>
Specific factor static load - $K_0$	500 N/mm <sup>2</sup>
Design (sliding contact surface combination)	Steel/steel