



Bearing No. GEM 35 ES-2RS

D	55 mm
d	35 mm
B	35 mm
C	20 mm
b	3.9 mm
M	2.5 mm
?	6 °
Noun	Bearing
Bore	1.378 Inch   35 Millimeter
grade:	Commercial/Industrial
UNSPSC	31171515
?	4 °
Category	Plain Bearings Spherical Radial
Size (mm)	35x55x35
Inventory	0.0
Keyword 3	Spherical
Enclosure	2 Seals
Lubricant	Regular relubrication – grease
Width (mm)	35
Weight / LBS	0.551
closure type:	Sealed
dk	47 mm
Self Aligning	Yes
Product Group	B04264
Inch - Metric	Metric
b <sub>1</sub>	3.9 mm
dk	47 mm
d <sub>1</sub>	40 mm

Overall Width	1.378 Inch   35 Millimeter
Housing Width	0.787 Inch   20 Millimeter
b <sub>1</sub>	3.9 mm
bearing type:	Radial
Relubricatable	Yes
Keyword String	Plain Spherical Radial
bore diameter:	35 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:	35 mm
Bearing number	GEM 35 ES-2RS
Material - Ball	Steel
Rolling Element	Spherical Plain
Material - Liner	Not Applicable
Sealing solution	Double-lip seals
Outside Diameter	2.165 Inch   55 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	35MM Bore; 20MM Housing Width; 55MM Outside Diameter; Spherical Plain; Steel Outer Member; Steel Ball; No Liner; 35MM Overall Width; Relubricatable
Manufacturer Name	SKF
inner ring width:	35 mm
Weight / Kilogram	0.25
lubrication type:	Requires Lubrication

outside diameter:	55 mm
outer ring width:	20 mm
r <sub>a</sub> max.	0.6 mm
D <sub>a</sub> max.	50.9 mm
D <sub>a</sub> min.	48.5 mm
d <sub>a</sub> max.	40 mm
d <sub>a</sub> min.	38.8 mm
r <sub>2</sub> min.	1 mm
r <sub>1</sub> min.	0.6 mm
Bore Diameter (mm)	35
r <sub>b</sub> max.	1 mm
Mass plain bearing	0.25 kg
Outer Diameter (mm)	55
misalignment angle:	4 °
D <sub>a</sub> - max.	50.9 mm
r <sub>b</sub> - max.	1 mm
Minimum Buy Quantity	N/A
D <sub>a</sub> - min.	48.5 mm
inner ring material:	Steel
r <sub>a</sub> - max.	0.6 mm
d <sub>a</sub> - max.	40 mm
d <sub>a</sub> - min.	38.8 mm
outer ring material:	Steel
r <sub>2</sub> - min.	1 mm
r <sub>1</sub> - min.	0.6 mm
d <sub>1</sub> ?	40 mm
Harmonized Tariff Code	8483.30.80.70
Material - Outer Member	Steel
Constant - K <sub>M</sub>	330
Manufacturer Item Number	GEM 35 ES-2RS
manufacturer upc number:	7316577003348

Basic dynamic load rating C	80 kN
operating temperature range:	-30 to +130 °C °F
radial static load capacity:	400 kN
radial dynamic load capacity:	80 kN
Basic dynamic load rating - C	80 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 $C_0$	400 kN
Basic static load rating - $C_0$	400 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