



Bearing No. GEM 45 ES-2RS

D	68 mm
d	45 mm
B	40 mm
C	25 mm
b	4.6 mm
M	3 mm
?	4 °
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
UNSPSC	31171515
?	4 °
Category	Plain Bearings Spherical Radial
Inventory	0.0
Size (mm)	68x45x40
Keyword 3	Spherical
Enclosure	2 Seals
Lubricant	Regular relubrication – grease
Width (mm)	40
Weight / LBS	1.08
d _k	60 mm
Self Aligning	Yes
Product Group	B04264
Inch - Metric	Metric
b ₁	4.6 mm
d _k	60 mm
d ₁	52 mm
closure type:	Sealed
Housing Width	0.984 Inch 25

	Millimeter
b ₁	4.6 mm
Overall Width	1.575 Inch 40 Millimeter
bearing type:	Radial
Keyword String	Plain Spherical Radial
bore diameter:	45 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:	40 mm
Relubricatable	Yes
Bearing number	GEM 45 ES-2RS
Material - Ball	Steel
Rolling Element	Spherical Plain
Material - Liner	Not Applicable
Long Description	45MM Bore; 25MM Housing Width; 68MM Outside Diameter; Spherical Plain; Steel Outer Member; Steel Ball; No Liner; 40MM Overall Width; Relubricatable
Outside Diameter	2.677 Inch 68 Millimeter
Sealing solution	Double-lip seals
Manufacturer URL	http://www.skf.com
outer ring width:	25 mm
inner ring width:	40 mm
lubrication type:	Requires Lubrication
outside diameter:	68 mm
Weight / Kilogram	0.49

Manufacturer Name	SKF
d _a max.	52 mm
D _a min.	61 mm
r ₂ min.	1 mm
r ₁ min.	0.6 mm
Bore Diameter (mm)	68
D _a max.	63.6 mm
r _a max.	0.6 mm
r _b max.	1 mm
d _a min.	49.6 mm
Mass plain bearing	0.49 kg
misalignment angle:	4 °
Outer Diameter (mm)	45
outer ring material:	Steel
Minimum Buy Quantity	N/A
D _a - min.	61 mm
r ₁ - min.	0.6 mm
r _b - max.	1 mm
r ₂ - min.	1 mm
d _a - max.	52 mm
inner ring material:	Steel
r _a - max.	0.6 mm
D _a - max.	63.6 mm
d _a - min.	49.6 mm
d ₁ ?	52 mm
Harmonized Tariff Code	8483.30.80.70
Material - Outer Member	Steel
Manufacturer Item Number	GEM 45 ES-2RS
Constant - K _M	330
manufacturer upc number:	7316577106018
Basic dynamic load	127 kN

rating C	
operating temperature range:	-30 to +130 °C °F
radial static load capacity:	640 kN
Basic dynamic load rating - C	127 kN
radial dynamic load capacity:	127 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	640 kN
Basic static load rating - C_0	640 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