



Bearing No. GEM 20 ES-2RS

D	35 mm
d	20 mm
B	24 mm
C	12 mm
b	3.1 mm
M	2 mm
?	6 °
Noun	Bearing
Bore	0.787 Inch 20 Millimeter
UNSPSC	31171515
?	6 °
Category	Plain Bearings Spherical Radial
Inventory	0.0
Size (mm)	35x20x24
Keyword 3	Spherical
Enclosure	2 Seals
Lubricant	Regular relubrication – grease
Width (mm)	24
Weight / LBS	0.161
dk	29 mm
Self Aligning	Yes
Product Group	B04264
Inch - Metric	Metric
b ₁	3.1 mm
dk	29 mm
d ₁	24 mm
closure type:	Sealed
b ₁	3.1 mm

Housing Width	0.472 Inch 12 Millimeter
Overall Width	0.945 Inch 24 Millimeter
bearing type:	Radial
Keyword String	Plain Spherical Radial
bore diameter:	20 mm
Other Features	2 Piece Extended Inner Ring on Both Sides Double Lip Seals Lubrication Hole and an Annular Groove in Both Rings
Relubricatable	Yes
overall width:	24 mm
Bearing number	GEM 20 ES-2RS
Material - Ball	Steel
Rolling Element	Spherical Plain
Material - Liner	Not Applicable
Long Description	20MM Bore; 12MM Housing Width; 35MM Outside Diameter; Spherical Plain; Steel Outer Member; Steel Ball; No Liner; 24MM Overall Width; Relubricatable
Outside Diameter	1.378 Inch 35 Millimeter
Sealing solution	Double-lip seals
Manufacturer URL	http://www.skf.com
outer ring width:	12 mm
inner ring width:	24 mm
lubrication type:	Requires Lubrication
outside diameter:	35 mm
Weight / Kilogram	0.071
Manufacturer Name	SKF

d _a max.	24 mm
D _a min.	30.9 mm
r ₂ min.	0.3 mm
r ₁ min.	0.3 mm
Bore Diameter (mm)	35
D _a max.	33.2 mm
r _a max.	0.3 mm
r _b max.	0.3 mm
d _a min.	23 mm
Mass plain bearing	0.073 kg
misalignment angle:	6 °
Outer Diameter (mm)	20
outer ring material:	Steel
Minimum Buy Quantity	N/A
r ₁ - min.	0.3 mm
r _b - max.	0.3 mm
r ₂ - min.	0.3 mm
D _a - min.	30.9 mm
d _a - min.	23 mm
D _a - max.	33.2 mm
d _a - max.	24 mm
r _a - max.	0.3 mm
inner ring material:	Steel
d ₁ ?	24 mm
Harmonized Tariff Code	8483.30.80.70
Material - Outer Member	Steel
manufacturer upc number:	7316577105172
Constant - K _M	330
Manufacturer Item Number	GEM 20 ES-2RS
Basic dynamic load rating C	30 kN

operating temperature range:	-30 to +130 °C °F
radial static load capacity:	146 kN
radial dynamic load capacity:	30 kN
Basic dynamic load rating - C	30 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	146 kN
Basic static load rating - C_0	146 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