



Bearing No. GEH 100 ES-2RS

D	160 mm
d	100 mm
B	85 mm
C	55 mm
b	11.5 mm
M	5 mm
?	13 °
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
grade:	Commercial/Industrial
UNSPSC	31171515
?	13 °
Category	Plain Bearings Spherical Radial
Size (mm)	160x100x85
Inventory	0.0
Keyword 3	Spherical
Enclosure	2 Seals
Lubricant	Regular relubrication – grease
Width (mm)	85
Weight / LBS	14.991
bearing type:	Radial
Self Aligning	Yes
Product Group	B04264
Inch - Metric	Metric
b ₁	11.5 mm
d _k	140 mm
b ₁	11.5 mm
d _k	140 mm

Housing Width	2.165 Inch 55 Millimeter
Overall Width	3.346 Inch 85 Millimeter
closure type:	Sealed
Relubricatable	Yes
Keyword String	Plain Spherical Radial
bore diameter:	100 mm
Other Features	2 Piece Larger Tilt Angle Double Lip Seals Lubrication Hole and an Annular Groove in Both Rings
overall width:	85 mm
Bearing number	GEH 100 ES-2RS
Material - Ball	Steel
Rolling Element	Spherical Plain
Material - Liner	Not Applicable
Outside Diameter	6.299 Inch 160 Millimeter
Sealing solution	Double-lip seals
Manufacturer URL	http://www.skf.com
Long Description	100MM Bore; 55MM Housing Width; 160MM Outside Diameter; Spherical Plain; Steel Outer Member; Steel Ball; No Liner; 85MM Overall Width; Relubricatable
Manufacturer Name	SKF
inner ring width:	85 mm
Weight / Kilogram	5.843
lubrication type:	Requires Lubrication
outside diameter:	160 mm
outer ring width:	55 mm

r_a max.	1 mm
D_a max.	153.3 mm
D_a min.	141.5 mm
d_a max.	111.2 mm
d_a min.	108.1 mm
r_2 min.	1 mm
r_1 min.	1 mm
Bore Diameter (mm)	160
r_b max.	1 mm
Mass plain bearing	6.8 kg
Outer Diameter (mm)	100
misalignment angle:	13 °
outer ring material:	Steel
Minimum Buy Quantity	N/A
r_1 - min.	1 mm
r_b - max.	1 mm
r_2 - min.	1 mm
D_a - max.	153.3 mm
d_a - min.	108.1 mm
r_a - max.	1 mm
inner ring material:	Steel
d_a - max.	111.2 mm
D_a - min.	141.5 mm
Harmonized Tariff Code	8483.30.80.70
Material - Outer Member	Steel
Manufacturer Item Number	GEH 100 ES-2RS
manufacturer upc number:	7316577003300
Constant - K_M	330
Basic dynamic load rating C	655 kN
operating temperature	-30 to +130 °C °F

range:	
radial static load capacity:	3250 kN
Basic dynamic load rating - C	655 kN
radial dynamic load capacity:	655 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	3250 kN
Basic static load rating - C_0	3250 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