



**Bearing No. GEH 90 ES-2RS**

D	150 mm
d	90 mm
B	85 mm
C	55 mm
b	11.3 mm
M	5 mm
?	15 °
Noun	Bearing
Bore	3.543 Inch   90 Millimeter
grade:	Commercial/Industrial
UNSPSC	31171515
?	15 °
Category	Plain Bearings Spherical Radial
Size (mm)	150x90x85
Inventory	0.0
Keyword 3	Spherical
Enclosure	2 Seals
Lubricant	Regular relubrication – grease
Width (mm)	85
Weight / LBS	13.889
bearing type:	Radial
Self Aligning	Yes
Product Group	B04264
Inch - Metric	Metric
b <sub>1</sub>	11.3 mm
d <sub>k</sub>	130 mm
b <sub>1</sub>	11.3 mm
d <sub>k</sub>	130 mm

Overall Width	3.346 Inch   85 Millimeter
Housing Width	2.165 Inch   55 Millimeter
closure type:	Sealed
Relubricatable	Yes
Keyword String	Plain Spherical Radial
bore diameter:	90 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 90 ES-2RS
Material - Ball	Steel
Rolling Element	Spherical Plain
Material - Liner	Not Applicable
Outside Diameter	5.906 Inch   150 Millimeter
Sealing solution	Double-lip seals
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	90MM Bore; 55MM Housing Width; 150MM 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	5.324
lubrication type:	Requires Lubrication
outside diameter:	150 mm
outer ring width:	55 mm

$r_a$ max.	1 mm
$D_a$ max.	143.2 mm
$D_a$ min.	131 mm
$d_a$ max.	98.4 mm
$d_a$ min.	98.2 mm
$r_2$ min.	1 mm
$r_1$ min.	1 mm
Bore Diameter (mm)	150
$r_b$ max.	1 mm
Mass plain bearing	6.3 kg
Outer Diameter (mm)	90
misalignment angle:	15 °
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.	143.2 mm
$d_a$ - min.	98.2 mm
$r_a$ - max.	1 mm
inner ring material:	Steel
$d_a$ - max.	98.4 mm
$D_a$ - min.	131 mm
Harmonized Tariff Code	8483.30.80.70
Material - Outer Member	Steel
Manufacturer Item Number	GEH 90 ES-2RS
manufacturer upc number:	7316577003294
Constant - $K_M$	330
Basic dynamic load rating C	610 kN
operating temperature	-30 to +130 °C °F

range:	
radial static load capacity:	3050 kN
Basic dynamic load rating - C	610 kN
radial dynamic load capacity:	610 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 $C_0$	3050 kN
Basic static load rating - $C_0$	3050 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