



Bearing No. GEM 80 ES-2LS

D	120 mm
d	80 mm
B	74 mm
C	45 mm
b	7.7 mm
M	4 mm
?	4 °
?	4 °
Size (mm)	120x80x74
Lubricant	Regular relubrication – grease
Width (mm)	74
b <sub>1</sub>	7.7 mm
b <sub>1</sub>	7.7 mm
d <sub>k</sub>	105 mm
d <sub>1</sub>	90 mm
d <sub>k</sub>	105 mm
Bearing number	GEM 80 ES-2LS
Sealing solution	Triple-lip seals
d <sub>a</sub> max.	90 mm
d <sub>a</sub> min.	86.1 mm
r <sub>2</sub> min.	1 mm
r <sub>1</sub> min.	0.6 mm
D <sub>a</sub> min.	104.4 mm
D <sub>a</sub> max.	113.8 mm
r <sub>a</sub> max.	0.6 mm
r <sub>b</sub> max.	1 mm
Mass plain bearing	2.5 kg
Bore Diameter (mm)	120
Outer Diameter (mm)	80

$d_a$ - min.	86.1 mm
$r_2$ - min.	1 mm
$r_1$ - min.	0.6 mm
$r_b$ - max.	1 mm
$r_a$ - max.	0.6 mm
$D_a$ - max.	113.8 mm
$D_a$ - min.	104.4 mm
$d_a$ - max.	90 mm
$d_1$ ?	90 mm
Constant - $K_M$	330
Basic dynamic load rating C	400 kN
Basic dynamic load rating - C	400 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 $C_0$	2000 kN
Basic static load rating - $C_0$	2000 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