



Bearing No. GEM 25 ESX-2LS

D	42 mm
d	25 mm
B	29 mm
C	16 mm
b	3.1 mm
M	2 mm
?	4 °
?	4 °
Size (mm)	42x25x29
Lubricant	Maintenance free – greased for life
Width (mm)	29
b <sub>1</sub>	3.1 mm
b <sub>1</sub>	3.1 mm
d <sub>k</sub>	35.5 mm
d <sub>1</sub>	29 mm
d <sub>k</sub>	35.5 mm
Bearing number	GEM 25 ESX-2LS
Sealing solution	Triple-lip seals
d <sub>a</sub> max.	29 mm
d <sub>a</sub> min.	28.3 mm
r <sub>2</sub> min.	0.6 mm
r <sub>1</sub> min.	0.3 mm
D <sub>a</sub> min.	36.9 mm
D <sub>a</sub> max.	39.2 mm
r <sub>a</sub> max.	0.3 mm
r <sub>b</sub> max.	0.6 mm
Mass plain bearing	0.12 kg
Bore Diameter (mm)	42
Outer Diameter (mm)	25

$d_a$ - min.	28.3 mm
$r_2$ - min.	0.6 mm
$r_1$ - min.	0.3 mm
$r_b$ - max.	0.6 mm
$r_a$ - max.	0.3 mm
$D_a$ - max.	39.2 mm
$D_a$ - min.	36.9 mm
$d_a$ - max.	29 mm
$d_1$ ?	29 mm
Constant - $K_M$	330
Basic dynamic load rating C	72 kN
Basic dynamic load rating - C	72 kN
Specific dynamic load factor K	150 N/mm <sup>2</sup>
Material constant $K_M$	330
Specific factor dynamic load - K	150 N/mm <sup>2</sup>
Basic static load rating $C_0$	240 kN
Basic static load rating - $C_0$	240 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