LS GX40N plain bearings

Welcome to the LS GX40N plain bearings 47 Bore Diameter (mm) online 47x30x9 Size (mm) seller.

Size (mm)	47x30x9
Bore Diameter (mm)	47
Outer Diameter (mm)	30
Width (mm)	9
d	30 mm
D	47 mm
B	9 mm
d1	35.8 mm
d2	34.4 mm
D1	41.39 mm
b	1.5 mm
C1	4.6 mm
C2	1.4 mm
C3	0.9 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	14.3 mm
da – min.	32 mm
db – min.	32 mm
Da – max.	45 mm
Db – max.	46.2 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	36.8 mm

Basic dynamic load rating – C	5.3 kN
Basic static load rating – C0	3.1 kN
Fatigue load limit – Pu	0.132 kN
Limiting speed for grease lubrication	37000 r/min
Limiting speed for oil lubrication	58000 mm/min
Ball – Dw	4.762 mm
Ball – z	18
Gref	0.6 cm3
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	48 N
Preload class B – GB	145 N
Preload class C – GC	290 N
Calculation factor – f	1.08
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.07
Calculation factor – fHC	1
Preload class A	55 N/micron
Preload class B	85 N/micron
Preload class C	111 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.15 mm
da min.	32 mm
db min.	32 mm

Da max.	45 mm
Db max.	46.2 mm
ra max.	0.3 mm
rb max.	0.15 mm
Basic dynamic load rating C	5.27 kN
Basic static load rating C0	3.1 kN
Fatigue load limit Pu	0.132 kN
Attainable speed for grease lubrication	37000 r/min
Attainable speed for oil-air lubrication	58000 r/min
Ball diameter Dw	4.762 mm
Number of balls z	18
Reference grease quantity Gref	0.6 cm^3
Preload class A GA	48 N
Static axial stiffness, preload class A	55 N/µm
Preload class B GB	145 N
Static axial stiffness, preload class B	85 N/µm
Preload class C GC	290 N
Static axial stiffness, preload class C	111 N/µm
Calculation factor f	1.08
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.04
Calculation factor f2C	1.07
Calculation factor fHC	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38
Calculation factor (single, tandem) X2	0.41

Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76
Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	0.05 kg