

Loyal 7130404 bearing

We work closely with our Loyal 7130404 bearing manufacturing partners 75x45x16 Size (mm) to bring the best value to 75 Bore Diameter (mm) customers.

Size (mm)	75x45x16
Bore Diameter (mm)	75
Outer Diameter (mm)	45
Width (mm)	16
d	45 mm
D	75 mm
B	16 mm
d1	55.7 mm
d2	53.6 mm
D1	64.25 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	22.2 mm
da – min.	49.6 mm
db – min.	49.6 mm
Da – max.	70.4 mm
Db – max.	70.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	57.6 mm
Basic dynamic load rating – C	12.1 kN
Basic static load rating – C0	8.2 kN
Fatigue load limit – Pu	0.345 kN

Limiting speed for grease lubrication	29000 r/min
Limiting speed for oil lubrication	45000 mm/min
Ball – Dw	7.144 mm
Ball – z	21
Gref	3.4 cm ³
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	110 N
Preload class B – GB	330 N
Preload class C – GC	660 N
Calculation factor – f	1.06
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1.01
Preload class A	104 N/micron
Preload class B	156 N/micron
Preload class C	204 N/micron
r _{1,2} min.	1 mm
r _{3,4} min.	0.6 mm
d _a min.	49.6 mm
d _b min.	49.6 mm
D _a max.	70.4 mm
D _b max.	70.8 mm
r _a max.	1 mm

rb max.	0.6 mm
Basic dynamic load rating C	12.1 kN
Basic static load rating C0	8.15 kN
Fatigue load limit Pu	0.345 kN
Attainable speed for grease lubrication	29000 r/min
Attainable speed for oil-air lubrication	45000 r/min
Ball diameter Dw	7.144 mm
Number of balls z	21
Reference grease quantity Gref	3.4 cm ³
Preload class A GA	110 N
Static axial stiffness, preload class A	104 N/μm
Preload class B GB	330 N
Static axial stiffness, preload class B	156 N/μm
Preload class C GC	660 N
Static axial stiffness, preload class C	204 N/μm
Calculation factor f	1.06
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
Calculation factor fHC	1.01
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	0.22 kg