

Loyal 6179009 bearing

Loyal 6179009 bearing, 24 Bore Diameter (mm) Units and Housings CAD models , Manufacturing 24x8x8 Size (mm) Service . Get Your Free.

Size (mm)	24x8x8
Bore Diameter (mm)	24
Outer Diameter (mm)	8
Width (mm)	8
d	8 mm
D	24 mm
B	8 mm
d1	13.1 mm
d2	13.1 mm
D1	18.9 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.2 mm
a	6.2 mm
da – min.	10.4 mm
db – min.	10.4 mm
Da – max.	21.6 mm
Db – max.	22.2 mm
ra – max.	0.3 mm
rb – max.	0.2 mm
dn	14.3 mm
Basic dynamic load rating – C	3.7 kN
Basic static load rating – C0	1.4 kN
Fatigue load limit – Pu	0.057 kN

Limiting speed for grease lubrication	85000 r/min
Limiting speed for oil lubrication	130000 mm/min
Ball – Dw	4.762 mm
Ball – z	8
Gref	0.228 cm ³
Calculation factor – f ₀	7.9
Preload class A – GA	14 N
Preload class B – GB	28 N
Preload class C – GC	56 N
Preload class D – GD	112 N
Calculation factor – f	1
Calculation factor – f _{2A}	1
Calculation factor – f _{2B}	1.01
Calculation factor – f _{2C}	1.03
Calculation factor – f _{2D}	1.06
Calculation factor – f _{HC}	1.01
Preload class A	13 N/micron
Preload class B	17 N/micron
Preload class C	23 N/micron
Preload class D	33 N/micron
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.2 mm
d _a min.	10.4 mm
d _b min.	10.4 mm
D _a max.	21.6 mm
D _b max.	22.2 mm
r _a max.	0.3 mm
r _b max.	0.2 mm
Basic dynamic load rating C	3.71 kN

Basic static load rating C_0	1.37 kN
Fatigue load limit P_u	0.057 kN
Attainable speed for grease lubrication	85000 r/min
Attainable speed for oil-air lubrication	130000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	8
Reference grease quantity G_{ref}	0.228 cm ³
Preload class A G_A	14 N
Static axial stiffness, preload class A	13 N/ μ m
Preload class B G_B	28 N
Static axial stiffness, preload class B	17 N/ μ m
Preload class C G_C	56 N
Static axial stiffness, preload class C	23 N/ μ m
Preload class D G_D	112 N
Static axial stiffness, preload class D	33 N/ μ m
Calculation factor f	1.02
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2D}	1.06
Calculation factor f_{HC}	1.01
Calculation factor f_0	7.9
Mass bearing	0.015 kg