

ISO N426 cylindrical roller bearings

ISO N426 cylindrical roller bearings Product Brochures , 110x80x16 Size (mm) 80 Outer Diameter (mm) Manufacturing Service . Get Your Free.

Size (mm)	110x80x16
Bore Diameter (mm)	110
Outer Diameter (mm)	80
Width (mm)	16
d	80 mm
D	110 mm
B	16 mm
d1	89.3 mm
d2	86.8 mm
D1	100.52 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	21.7 mm
da – min.	84.6 mm
db – min.	82 mm
Da – max.	105.4 mm
Db – max.	108 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	91.5 mm
Basic dynamic load rating – C	22.5 kN
Basic static load rating – C0	18 kN

Fatigue load limit – Pu	0.75 kN
Limiting speed for grease lubrication	19000 r/min
Limiting speed for oil lubrication	30000 mm/min
Ball – Dw	9.525 mm
Ball – z	24
Gref	4.8 cm ³
Calculation factor – f ₀	8.6
Preload class A – GA	123 N
Preload class B – GB	370 N
Preload class C – GC	740 N
Calculation factor – f	1
Calculation factor – f _{2A}	1
Calculation factor – f _{2B}	1.05
Calculation factor – f _{2C}	1.09
Calculation factor – f _{HC}	1.01
Preload class A	62 N/micron
Preload class B	99 N/micron
Preload class C	136 N/micron
r _{1,2} min.	1 mm
r _{3,4} min.	0.3 mm
d _a min.	84.6 mm
d _b min.	82 mm
D _a max.	105.4 mm
D _b max.	108 mm
r _a max.	1 mm
r _b max.	0.3 mm
Basic dynamic load rating C	22.5 kN
Basic static load rating C ₀	18 kN
Fatigue load limit Pu	0.75 kN

Attainable speed for grease lubrication	19000 r/min
Attainable speed for oil-air lubrication	30000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	24
Reference grease quantity G_{ref}	4.8 cm ³
Preload class A G_A	123 N
Static axial stiffness, preload class A	62 N/ μ m
Preload class B G_B	370 N
Static axial stiffness, preload class B	99 N/ μ m
Preload class C G_C	740 N
Static axial stiffness, preload class C	136 N/ μ m
Calculation factor f	1.19
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.05
Calculation factor f_{2C}	1.09
Calculation factor f_{HC}	1.01
Calculation factor f_0	8.6
Mass bearing	0.31 kg