ZEN NCF5008-2LSV cylindrical roller bearings

We work closely with our ZEN NCF5008-2LSV cylindrical roller bearings 58x45x7 Size (mm) manufacturing partners to bring the 58 Bore Diameter (mm) best value to customers.

Size (mm)	58x45x7
Bore Diameter (mm)	58
Outer Diameter (mm)	45
Width (mm)	7
d	45 mm
D	58 mm
B	7 mm
d1	49.6 mm
d2	49.6 mm
D1	53.6 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	15.5 mm
da – min.	47 mm
db – min.	47 mm
Da – max.	56 mm
Db – max.	57.2 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	50 mm
Basic dynamic load rating – C	4.6 kN
Basic static load rating – C0	5 kN

Fatigue load limit – Pu	0.212 kN
Limiting speed for grease lubrication	20000 r/min
Limiting speed for oil lubrication	30000 mm/min
Ball – Dw	3.175 mm
Ball – z	31
Gref	0.36 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	41 N
Preload class B – GB	125 N
Preload class C – GC	250 N
Calculation factor – f	1.24
Calculation factor – f1	0.97
Calculation factor – f2A	1
Calculation factor – f2B	1.08
Calculation factor – f2C	1.15
Calculation factor – fHC	1
Preload class A	87 N/micron
Preload class B	139 N/micron
Preload class C	189 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.15 mm
da min.	47 mm
db min.	47 mm
Da max.	56 mm
Db max.	57.2 mm

ra max.	0.3 mm
rb max.	0.15 mm
Basic dynamic load rating C	4.62 kN
Basic static load rating C0	5 kN
Fatigue load limit Pu	0.212 kN
Attainable speed for grease lubrication	20000 r/min
Attainable speed for oil-air lubrication	30000 r/min
Ball diameter Dw	3.175 mm
Number of balls z	31
Reference grease quantity Gref	0.36 cm^3
Preload class A GA	41 N
Static axial stiffness, preload class A	87 N/µm
Preload class B GB	125 N
Static axial stiffness, preload class B	139 N/µm
Preload class C GC	250 N
Static axial stiffness, preload class C	189 N/µm
Calculation factor f	1.24
Calculation factor f1	0.97
Calculation factor f2A	1
Calculation factor f2B	1.08
Calculation factor f2C	1.15
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	0.039 kg