Timken 275RIN808 cylindrical roller bearings

Timken 275RIN808 cylindrical roller bearings Needs Analysis , 150x110x20 Size (mm) Manufacturing Service . Get Your Free. 110 Outer Diameter (mm)

Size (mm)	150x110x20
Bore Diameter (mm)	150
Outer Diameter (mm)	110
Width (mm)	20
d	110 mm
D	150 mm
B	20 mm
d1	122.4 mm
d2	119 mm
D1	137.51 mm
K	0.5 mm
C1	5.78 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	28.7 mm
da – min.	116 mm
db – min.	113.2 mm
Da – max.	144 mm
Db – max.	146.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	125.4 mm

Basic dynamic load rating – C	39.7 kN
Basic static load rating – C0	34.5 kN
Fatigue load limit – Pu	1.2 kN
Limiting speed for grease lubrication	14000 r/min
Limiting speed for oil lubrication	22000 mm/min
Ball – Dw	12.7 mm
Ball – z	26
Gref	11 cm3
Calculation factor – f0	8.6
Preload class A – GA	220 N
Preload class B – GB	650 N
Preload class C – GC	1300 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.05
Calculation factor – f2C	1.09
Calculation factor – fHC	1.01
Preload class A	89 N/micron
Preload class B	140 N/micron
Preload class C	193 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	116 mm
db min.	113.2 mm
Da max.	144 mm
Db max.	146.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	39.7 kN

Basic static load rating C0	34.5 kN
Fatigue load limit Pu	1.25 kN
Attainable speed for grease lubrication	14000 r/min
Attainable speed for oil-air lubrication	22000 r/min
Ball diameter Dw	12.7 mm
Number of balls z	26
Reference grease quantity Gref	11 cm^3
Preload class A GA	220 N
Static axial stiffness, preload class A	89 N/µm
Preload class B GB	650 N
Static axial stiffness, preload class B	140 N/µm
Preload class C GC	1300 N
Static axial stiffness, preload class C	193 N/µm
Calculation factor f	1.2
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.05
Calculation factor f2C	1.09
Calculation factor fHC	1.01
Calculation factor f0	8.6
Mass bearing	0.7 kg