

Timken HM804846/HM804811-B tapered roller bearings

Welcome to the 145x95x24 Size (mm) Timken HM804846/HM804811-B tapered roller bearings 95 Outer Diameter (mm) online seller.

Size (mm)	145x95x24
Bore Diameter (mm)	145
Outer Diameter (mm)	95
Width (mm)	24
d	95 mm
D	145 mm
B	24 mm
d1	110.4 mm
d2	110.4 mm
D1	129.6 mm
r1,2 – min.	1.5 mm
r3,4 – min.	1 mm
a	40.1 mm
da – min.	102 mm
db – min.	102 mm
Da – max.	138 mm
Db – max.	141 mm
ra – max.	1.5 mm
rb – max.	1 mm
dn	113.7 mm
Basic dynamic load rating – C	76.1 kN
Basic static load rating – C0	76.5 kN
Fatigue load limit – Pu	2.9 kN

Limiting speed for grease lubrication	10000 r/min
Limiting speed for oil lubrication	16000 mm/min
Ball – Dw	15.875 mm
Ball – z	21
Gref	15.6 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	480 N
Preload class B – GB	960 N
Preload class C – GC	1920 N
Preload class D – GD	3840 N
Calculation factor – f	1.15
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.08
Calculation factor – fHC	1.02
Preload class A	286 N/micron
Preload class B	374 N/micron
Preload class C	497 N/micron
Preload class D	673 N/micron
r _{1,2} min.	1.5 mm
r _{3,4} min.	1 mm
da min.	102 mm
db min.	102 mm

Da max.	138 mm
Db max.	141 mm
ra max.	1.5 mm
rb max.	1 mm
Basic dynamic load rating C	76.1 kN
Basic static load rating C ₀	76.5 kN
Fatigue load limit P _u	2.9 kN
Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	16000 r/min
Ball diameter D _w	15.875 mm
Number of balls z	21
Reference grease quantity G _{ref}	15.6 cm ³
Preload class A G _A	480 N
Static axial stiffness, preload class A	286 N/μm
Preload class B G _B	960 N
Static axial stiffness, preload class B	374 N/μm
Preload class C G _C	1920 N
Static axial stiffness, preload class C	497 N/μm
Preload class D G _D	3840 N
Static axial stiffness, preload class D	673 N/μm
Calculation factor f	1.15
Calculation factor f ₁	0.99
Calculation factor f _{2A}	1
Calculation factor f _{2B}	1.02
Calculation factor f _{2C}	1.05
Calculation factor f _{2D}	1.08
Calculation factor f _{HC}	1.02
Calculation factor e	0.68
Calculation factor (single, tandem) Y ₂	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	1 kg