Timken 59188/59412 tapered roller bearings

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Size (mm)	130x95x18
Bore Diameter (mm)	130
Outer Diameter (mm)	95
Width (mm)	18
d	95 mm
D	130 mm
B	18 mm
d1	107.94 mm
d2	106.36 mm
D2	120.7 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	28.2 mm
da – min.	101 mm
db – min.	101 mm
Da – max.	124 mm
Db – max.	126.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	109 mm
Basic dynamic load rating – C	18.2 kN

Basic static load rating – C0	18.6 kN
Fatigue load limit – Pu	0.75 kN
Limiting speed for grease lubrication	16000 r/min
Limiting speed for oil lubrication	24000 mm/min
Ball – Dw	7.144 mm
Ball – z	38
Gref	7.5 cm3
Calculation factor – f0	10
Preload class A – GA	60 N
Preload class B – GB	120 N
Preload class C – GC	360 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.08
Calculation factor – fHC	1.01
Preload class A	62 N/micron
Preload class B	82 N/micron
Preload class C	130 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	101 mm
db min.	101 mm
Da max.	124 mm
Db max.	126.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	24.7 kN
Basic static load rating C0	30 kN

Fatigue load limit Pu	0.75 kN
Attainable speed for grease lubrication	16000 r/min
Attainable speed for oil-air lubrication	24000 r/min
Ball diameter Dw	7.144 mm
Number of balls z	38
Reference grease quantity Gref	7.5 cm^3
Preload class A GA	60 N
Static axial stiffness, preload class A	62 N/µm
Preload class B GB	120 N
Static axial stiffness, preload class B	82 N/µm
Preload class C GC	360 N
Static axial stiffness, preload class C	130 N/µm
Calculation factor f	1.13
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.08
Calculation factor fHC	1.01
Calculation factor f0	10
Mass bearing	0.58 kg