

SKF W 6203 deep groove ball bearings

SKF W 6203 deep groove ball bearings, Units and 30x17x7 Size (mm) Housings CAD models , 30 Bore Diameter (mm) 17 Outer Diameter (mm) Manufacturing Service . Get Your Free.

Size (mm)	30x17x7
Bore Diameter (mm)	30
Outer Diameter (mm)	17
Width (mm)	7
d	17 mm
D	30 mm
B	7 mm
d1	21.1 mm
d2	20.1 mm
D1	25.9 mm
K	0.5 mm
C1	4.35 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	9.6 mm
da – min.	19 mm
db – min.	19 mm
Da – max.	28 mm
Db – max.	29.2 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	22 mm

Basic dynamic load rating – C	3.2 kN
Basic static load rating – C0	1.5 kN
Fatigue load limit – Pu	0.063 kN
Limiting speed for grease lubrication	75000 r/min
Limiting speed for oil lubrication	115000 mm/min
Ball – Dw	3.969 mm
Ball – z	13
Gref	0.2 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	29 N
Preload class B – GB	87 N
Preload class C – GC	175 N
Calculation factor – f	1.05
Calculation factor – f1	0.98
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.08
Calculation factor – fHC	1.01
Preload class A	39 N/micron
Preload class B	61 N/micron
Preload class C	79 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.15 mm
da min.	19 mm
db min.	19 mm

Da max.	28 mm
Db max.	29.2 mm
ra max.	0.3 mm
rb max.	0.15 mm
Basic dynamic load rating C	3.19 kN
Basic static load rating C ₀	1.46 kN
Fatigue load limit P _u	0.063 kN
Attainable speed for grease lubrication	75000 r/min
Attainable speed for oil-air lubrication	115000 r/min
Ball diameter D _w	3.969 mm
Number of balls z	13
Reference grease quantity G _{ref}	0.2 cm ³
Preload class A G _A	29 N
Static axial stiffness, preload class A	39 N/μm
Preload class B G _B	87 N
Static axial stiffness, preload class B	61 N/μm
Preload class C G _C	175 N
Static axial stiffness, preload class C	79 N/μm
Calculation factor f	1.05
Calculation factor f ₁	0.98
Calculation factor f _{2A}	1
Calculation factor f _{2B}	1.04
Calculation factor f _{2C}	1.08
Calculation factor f _{HC}	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y ₂	0.87
Calculation factor (single, tandem) Y ₀	0.38
Calculation factor (single, tandem) X ₂	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	0.014 kg