

SKF FYR 4-18 bearing units

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Size (mm)	170x110x28
Bore Diameter (mm)	170
Outer Diameter (mm)	110
Width (mm)	28
d	110 mm
D	170 mm
B	28 mm
d1	132.38 mm
d2	129.2 mm
D1	147.61 mm
b	2.6 mm
C1	15.1 mm
C2	5.4 mm
C3	5.4 mm
r1,2 – min.	2 mm
r3,4 – min.	1 mm
a	32.9 mm
da – min.	118.8 mm
db – min.	118.8 mm
Da – max.	161.2 mm
Db – max.	164.4 mm
ra – max.	2 mm
rb – max.	1 mm

dn	135.4 mm
Basic dynamic load rating – C	47.5 kN
Basic static load rating – C0	45 kN
Fatigue load limit – Pu	1.6 kN
Limiting speed for grease lubrication	12700 r/min
Limiting speed for oil lubrication	20000 mm/min
Ball – Dw	12.7 mm
Ball – z	30
Gref	23 cm ³
Calculation factor – f0	9.6
Preload class A – GA	250 N
Preload class B – GB	760 N
Preload class C – GC	1520 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.05
Calculation factor – fHC	1.01
Preload class A	104 N/micron
Preload class B	165 N/micron
Preload class C	226 N/micron
r1,2 min.	2 mm
r3,4 min.	1 mm
da min.	118.8 mm
db min.	118.8 mm
Da max.	161.2 mm
Db max.	164.4 mm
ra max.	2 mm
rb max.	1 mm

Basic dynamic load rating C	47.5 kN
Basic static load rating C ₀	45 kN
Fatigue load limit P _u	1.6 kN
Attainable speed for grease lubrication	12700 r/min
Attainable speed for oil-air lubrication	20000 r/min
Ball diameter D _w	12.7 mm
Number of balls z	30
Reference grease quantity G _{ref}	23 cm ³
Preload class A G _A	250 N
Static axial stiffness, preload class A	104 N/μm
Preload class B G _B	760 N
Static axial stiffness, preload class B	165 N/μm
Preload class C G _C	1520 N
Static axial stiffness, preload class C	226 N/μm
Calculation factor f	1.1
Calculation factor f ₁	1
Calculation factor f _{2A}	1
Calculation factor f _{2B}	1.03
Calculation factor f _{2C}	1.05
Calculation factor f _{HC}	1.01
Calculation factor f _θ	9.6
Mass bearing	1.93 kg