

13036 SKF Calculation factor (Y0) 2.5 180x280x74mm Self aligning ball bearings

Bearing number	13036
Size (mm)	180x280x74
Brand	SKF
Bore Diameter (mm)	180
Outer Diameter (mm)	280
Width (mm)	74
d	180 mm
D	280 mm
B	74 mm
C	74 mm
b	13.9 mm
d2	212 mm
r1 min.	2.1 mm
r2 min.	2.1 mm
D1	249 mm
K	7.5 mm
da min.	191 mm
Da max.	269 mm
ra max.	2 mm
Weight	16 Kg
Basic dynamic load rating (C)	95.6 kN
Basic static load rating (C0)	40 kN
Fatigue load limit (Pu)	1.34
Reference speed	4500 r/min

Limiting speed	2800 r/min
Calculation factor (e)	0.25
Calculation factor (kr)	0.02
Calculation factor (Y ₀)	2.5
Calculation factor (Y ₁)	2.5
d ₁ ≈	212.2 mm
D ₁ ≈	249.1 mm
r _{1,2} min.	2.1 mm
d _a min.	191 mm
D _a max.	269 mm
r _a max.	2 mm
Basic dynamic load rating C	95.6 kN
Basic static load rating C ₀	40 kN
Fatigue load limit P _u	1.34 kN
Permissible angular misalignment α	3 °
Calculation factor k _r	0.02
Calculation factor e	0.25
Calculation factor Y ₀	2.5
Calculation factor Y ₁	2.5
Calculation factor Y ₂	3.9
Mass bearing	16 kg