

2318 SKF 190x90x64mm Width 64mm Self aligning ball bearings

Bearing number	2318
Size (mm)	190x90x64
Brand	SKF
Bore Diameter (mm)	190
Outer Diameter (mm)	90
Width (mm)	64
d	90 mm
D	190 mm
B	64 mm
d ₁	121 mm
D ₁	162.2 mm
r _{1,2} – min.	3 mm
d _a – min.	104 mm
D _a – max.	176 mm
r _a – max.	3 mm
Basic dynamic load rating – C	151 kN
Basic static load rating – C ₀	57 kN
Fatigue load limit – P _u	2.5 kN
Reference speed	6300 r/min
Limiting speed	4500 r/min
Calculation factor – k _r	0.05
Calculation factor – e	0.37

Calculation factor – Y_0	1.8
Calculation factor – Y_1	1.7
Calculation factor – Y_2	2.6
$d_1 \approx$	121 mm
$D_1 \approx$	162.2 mm
$r_{1,2} \text{ min.}$	3 mm
$d_a \text{ min.}$	104 mm
$D_a \text{ max.}$	176 mm
$r_a \text{ max.}$	3 mm
Basic dynamic load rating C	151 kN
Basic static load rating C_0	57 kN
Fatigue load limit P_u	2.5 kN
Permissible angular misalignment α	3 °
Calculation factor k_r	0.05
Calculation factor e	0.37
Calculation factor Y_0	1.8
Calculation factor Y_1	1.7
Calculation factor Y_2	2.6
Mass bearing	8.45 kg