

# 316198 SKF 620x500x45mm Axial load factor Y 0 Thrust ball bearings

Bearing number	316198
Size (mm)	620x500x45
Brand	SKF
Bore Diameter (mm)	620
Outer Diameter (mm)	500
Width (mm)	45
d	500 mm
D	620 mm
B	45 mm
d <sub>1</sub>	545 mm
E	584 mm
r <sub>1,2</sub> – min.	2.1 mm
s	5.2 mm
d <sub>a</sub> – min.	512 mm
d <sub>a</sub> – max.	579 mm
D <sub>a</sub> – min.	585 mm
D <sub>a</sub> – max.	608 mm
r <sub>a</sub> – max.	2 mm
Basic dynamic load rating – C	396 kN
Basic static load rating – C <sub>0</sub>	830 kN
Fatigue load limit – P <sub>u</sub>	45.5 kN
Reference speed	1000 r/min
Limiting speed	1000 r/min

Calculation factor – $k_r$	0.03
$d_1 \approx$	545 mm
$r_{1,2}$ min.	2.1 mm
s max.	5.2 mm
$d_a$ min.	512 mm
$d_a$ max.	579 mm
$D_a$ min.	585 mm
$D_a$ max.	608 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	396 kN
Basic static load rating $C_0$	830 kN
Fatigue load limit $P_u$	45.5 kN
Calculation factor $k_r$	0.03
Limiting value e	0.2
Axial load factor Y	0
Mass bearing	29 kg