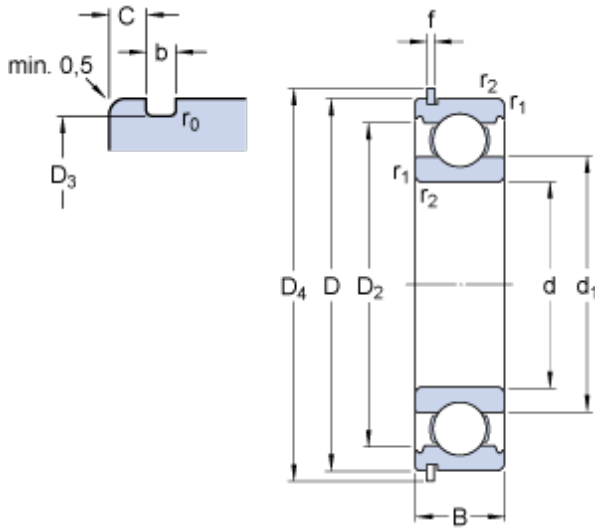




# NTN Bearing Manufacturing



17 mm x 47 mm x 14 mm SKF 6303 NR deep groove ball bearings

Bearing No. 6303 NR

6303 NR Bearing 2D drawings and 3D CAD models

Size	47x17x14 mm
Bore Diameter	47 mm
Outer Diameter	17 mm
Width	14 mm
d	17 mm
D	47 mm
B	14 mm
d <sub>1</sub>	26.52 mm
D <sub>2</sub>	39.58 mm
D <sub>3</sub>	44.6 mm
D <sub>4</sub>	52.7 mm
b	1.35 mm
C	2.46 mm
f	1.12 mm
r <sub>0</sub>	0.4 mm
r <sub>1,2</sub> - min.	1 mm
d <sub>a</sub> - min.	22.6 mm
D <sub>a</sub> - max.	41.4 mm
D <sub>b</sub> - min.	54 mm
b <sub>a</sub> - min.	1.5 mm
C <sub>a</sub> - max.	3.58 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	14.3 kN
Basic static load rating - C <sub>0</sub>	6.6 kN



## NTN Bearing Manufacturing

Fatigue load limit - $P_u$	0.275 kN
Reference speed	34000 r/min
Limiting speed	22000 r/min
Calculation factor - $k_r$	0.03
Calculation factor - $f_0$	12
Mass bearing	0.12 kg
$d_1$	26.52 mm
$D_2$	39.58 mm
$D_3$	44.6 mm
$D_4$	52.7 mm
$r_0$ max.	0.4 mm
$r_{1,2}$ min.	1 mm
$d_a$ min.	22.6 mm
$D_a$ max.	41.4 mm
$D_b$ min.	54 mm
$b_a$ min.	1.5 mm
$C_a$ max.	3.58 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating $C_0$	6.55 kN
Fatigue load limit $P_u$	0.275 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	12
Snap ring	SP 47