

PDF technical sheet N316



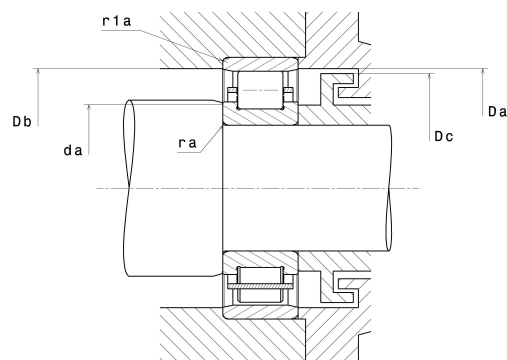
Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage

Product definition	
d	3.1496 "
D	6.6929 "
B	1.5354 "
E	5.7874 "
F	4.0551 "
d1	4.4016 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	CN
Mass (without HJ ring)	13.51 oz
Brand	NTN



Product performance	
Dynamic load, C	190 kN
Static load, C0	207 kN
Fatigue limit load, Cu	23.60 kN
Nlim (oil)	4,800 RPM
Nlim (grease)	4,100 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.5827 "
Da max	6.2598 "
Db min	5.9449 "
Dc max	5.7087 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$