

PDF technical sheet N315C3



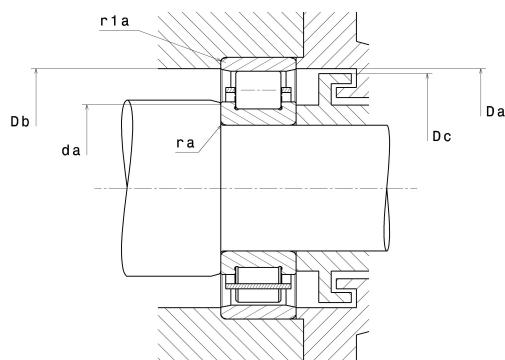
Single row cylindrical roller bearings

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

Product definition	
d	2.9528 "
D	6.2992 "
B	1.4567 "
E	5.4921 "
F	3.7598 "
d1	4.1024 "
rs min	0.0827 "
r1s min	0.0827 "
Radial clearance class	C3
Mass (without HJ ring)	11.78 oz
Brand	NTN



Product performance	
Dynamic load, C	190 kN
Static load, C0	205 kN
Fatigue limit load, Cu	23.80 kN
Nlim (oil)	5,200 RPM
Nlim (grease)	4,400 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.3858 "
Da max	5.8661 "
Db min	5.5906 "
Dc max	5.4331 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$