

PDF technical sheet N216C3



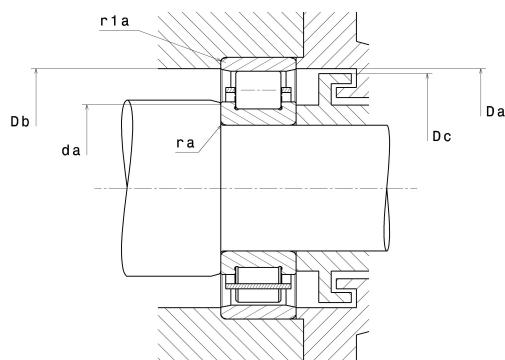
Single row cylindrical roller bearings

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

Product definition	
d	3.1496 "
D	5.5118 "
B	1.0236 "
E	4.9331 "
F	3.7520 "
d1	3.9843 "
rs min	0.0787 "
r1s min	0.0787 "
Radial clearance class	C3
Mass (without HJ ring)	5.16 oz
Brand	NTN



Product performance	
Dynamic load, C	106 kN
Static load, C0	122 kN
Fatigue limit load, Cu	14.50 kN
Nlim (oil)	5,700 RPM
Nlim (grease)	4,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
da min	3.5039 "
Da max	5.1575 "
Db min	4.9843 "
Dc max	4.8661 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$