Technical datasheet

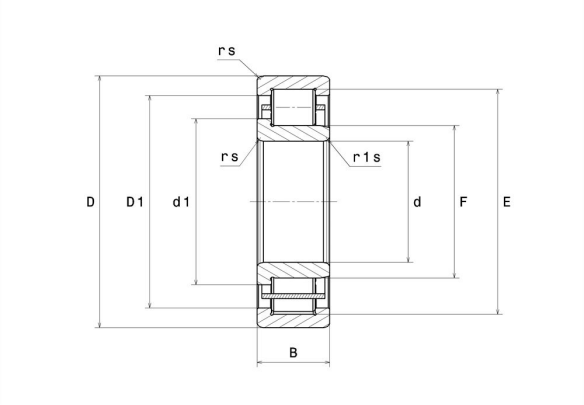
NJ2216C3

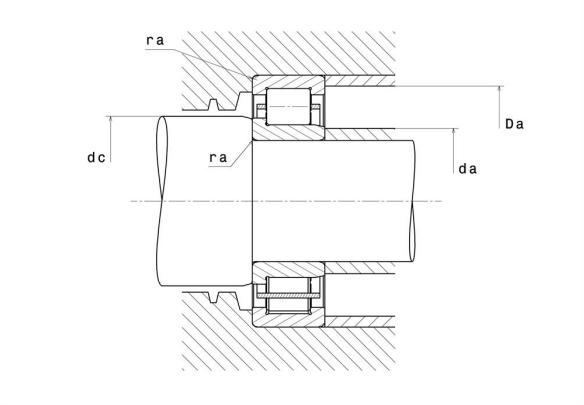
Single row cylindrical roller bearings



Single row cylindrical roller bearing, single direction for axial loads, separable, pressed steel cage.

Visual(s)





Product definition

d	80 mm
D	140 mm
B	33 mm
E	125.3 mm
F	95.3 mm
d1	101.2 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.98 kg
Brand	NTN

Product performance

Dynamic load, C	147 kN
Static load, C0	186 kN
Fatigue limit load, Cu	22 kN
Nlim (oil)	5,100 rpm
Nlim (grease)	4,400 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.22 Hz
Characteristic outer ring frequency, BPF0	6.91 Hz
Characteristic inner ring frequency, BPFI	9.09 Hz

Abutment dimensions

da min	89 mm
da max	94 mm
dc min	104 mm
Da max	131 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$