Technical data

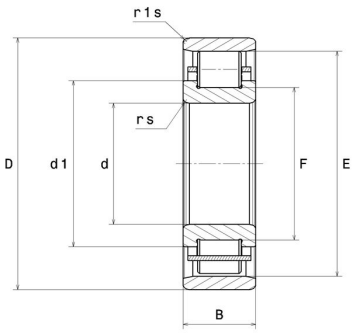
N218

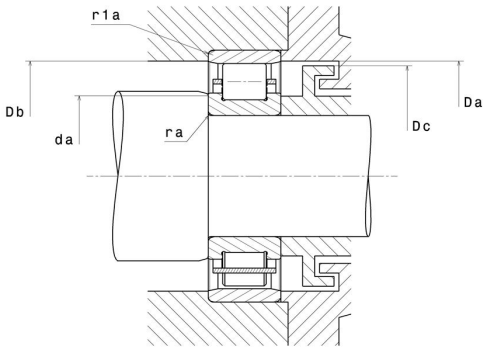
Single row cylindrical roller bearings

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



Visual(s)





Product definition

d	90 mm
D	160 mm
B	30 mm
E	143 mm
F	107 mm
d1	114.2 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	2.29 kg
Brand	NTN

Product performance

Dynamic load, C	152 kN
Static load, C0	178 kN
Fatigue limit load, Cu	20.3 kN
Nlim (oil)	5,000 Tr/min
Nlim (grease)	4,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.8 Hz
Characteristic outer ring frequency, BPF0	6.85 Hz
Characteristic inner ring frequency, BPFI	9.15 Hz

Abutment dimensions

da min	99 mm
Da max	151 mm
Db min	145 mm
Dc max	141 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$