Technical data

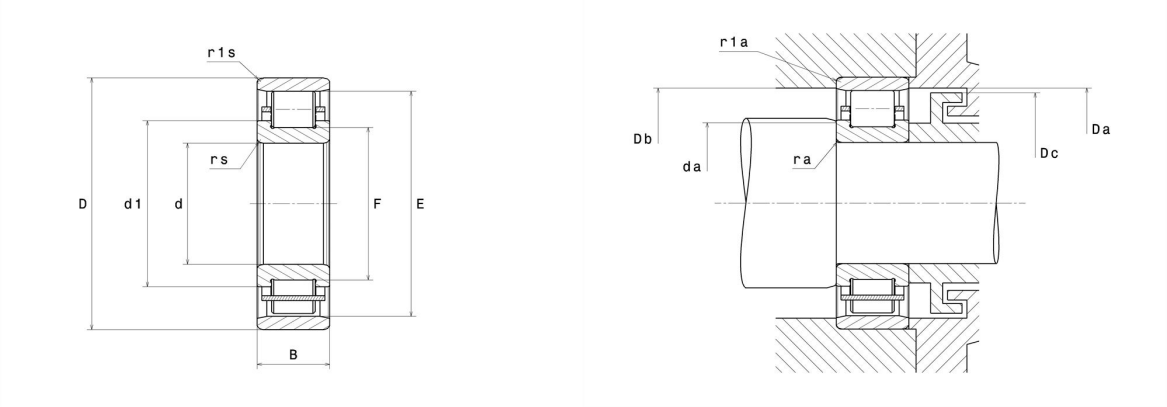
N318

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	90 mm
D	190 mm
B	43 mm
E	165 mm
F	115 mm
d1	125 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	5.42 kg
Brand	NTN

Product performance

Dynamic load, C	240 kN
Static load, C0	265 kN
Fatigue limit load, Cu	29.2 kN
Nlim (oil)	4,300 Tr/min
Nlim (grease)	3,700 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da min	103 mm
Da max	177 mm
Db min	169 mm
Dc max	163 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr