



Technical datasheet

NU415

Single row cylindrical roller bearings

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

Visual(s)



Product definition

d	75 mm
D	190 mm
B	45 mm
E	160.5 mm
F	104.5 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	6.36 kg
Brand	NTN

Product performance

Dynamic load, C	262 kN
Static load, C0	274 kN
Fatigue limit load, Cu	30.7 kN
Nlim (oil)	3,700 rpm
Nlim (grease)	3,200 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.52 Hz
Characteristic outer ring frequency, BPF0	4.34 Hz
Characteristic inner ring frequency, BPF1	6.66 Hz

Abutment dimensions

da min	88 mm
da max	103 mm
db min	107 mm
Da max	177 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$