



Technical datasheet

NU2219EG1

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, brass cage

Visual(s)



Product definition

d	95 mm
D	170 mm
B	43 mm
E	154.5 mm
F	112.5 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	4 kg
Brand	NTN

Product performance

Dynamic load, C	286 kN
Static load, C0	370 kN
Fatigue limit load, Cu	41.5 kN
Nlim (oil)	3,800 rpm
Nlim (grease)	3,300 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.2 Hz
Characteristic outer ring frequency, BPF0	7.16 Hz
Characteristic inner ring frequency, BPF1	9.84 Hz

Abutment dimensions

da min	106 mm
da max	111 mm
db min	116 mm
Da max	159 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$