



Technical datasheet

NU316G1

Single row cylindrical roller bearings

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

Visual(s)



Product definition

d	80 mm
D	170 mm
B	39 mm
E	147 mm
F	103 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	3.86 kg
Brand	NTN

Product performance

Dynamic load, C	190 kN
Static load, C0	207 kN
Fatigue limit load, Cu	23.6 kN
Nlim (oil)	4,800 rpm
Nlim (grease)	4,100 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da min	91 mm
da max	99 mm
db min	105 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

$$P_0 = F_r$$