

ISO NP1960 cylindrical roller bearings

ISO NP1960 cylindrical roller bearings Needs Analysis ,
Manufacturing Service 80 mm d . Get Your Free. 125 mm D

d	80 mm
D	125 mm
B	22 mm
d1	95.2 mm
d2	91.7 mm
D1	109.8 mm
D2	116.9 mm
a	35 mm
Contact angle α	25 °
rs min	1.1 mm
rls min	0.6 mm
f θ	15.9
Precision class	P42
Mass	0.86 kg
Dynamic load, C	57.5 kN
Static load, C θ	55 kN
Nlim (oil)	16,000 rpm
Nlim (grease)	9,900 rpm
Preload level	GN
Preload value	0.58 kN
Axial rigidity	253 N/ μ m
Radial rigidity	540 N/ μ m
Min operating temperature, Tmin	-20 °C

Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.49 Hz
Characteristic outer ring frequency, BPF0	9.25 Hz
Characteristic inner ring frequency, BRFI	11.75 Hz
da min	87 mm
Da max	118 mm
Db max	120.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	95.4 mm