

INA RSL182212-A cylindrical roller bearings

INA RSL182212-A cylindrical roller bearings Needs 70 mm d Analysis 100 mm D , Manufacturing Service . Get Your Free.

d	70 mm
D	100 mm
B	16 mm
d1	80.1 mm
D1	89.9 mm
D2	93.49 mm
a	28 mm
Contact angle α	25 °
rs min	1 mm
r1s min	0.3 mm
f θ	16.76
Precision class	P4
Mass	0.34 kg
Dynamic load, C	22.4 kN
Static load, C θ	23 kN
Fatigue limit load, C u	1.32 kN
Nlim (oil)	19,000 rpm
Nlim (grease)	12,500 rpm
Axial displacement K Factor	0.5
Preload level	8
Preload value	0.59 kN
Axial rigidity	247 N/ μ m
Radial rigidity	494 N/ μ m

Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	10.63 Hz
Characteristic outer ring frequency, BPF0	10.98 Hz
Characteristic inner ring frequency, BRFI	13.02 Hz
da min	75.5 mm
db min	75.5 mm
Da max	94.5 mm
Db max	94.5 mm
r1a max	0.3 mm
ra max	1 mm
D6	82.6 mm