

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, T _{min}	-30 °C
Max operating temperature, T _{max}	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	10.63 Hz
Characteristic outer ring frequency, BPF ₀	10.98 Hz
Characteristic inner ring frequency, BPF _I	13.02 Hz
d _{a min}	75.5 mm
d _{b min}	75.5 mm
D _{a max}	94.5 mm
D _{b max}	94.5 mm
r _{1a max}	0.3 mm
r _{a max}	1 mm
D ₆	82.6 mm