

# ISO H936340/10 tapered roller bearings

ISO H936340/10 tapered roller bearings Needs Analysis , 110 mm D Manufacturing Service 70 mm d . Get 20 mm B Your Free.

d	70 mm
D	110 mm
B	20 mm
d1	82.6 mm
D1	97.4 mm
D2	103.25 mm
a	31 mm
Contact angle $\alpha$	25 °
rs min	1.1 mm
rls min	1 mm
f $\theta$	15.92
Precision class	P4
Mass	0.61 kg
Dynamic load, C	45.5 kN
Static load, C $\theta$	42.9 kN
Fatigue limit load, C $u$	2.4 kN
Nlim (oil)	18,000 rpm
Nlim (grease)	11,500 rpm
Axial displacement K Factor	0.49
Preload level	8
Preload value	1.2 kN
Axial rigidity	320 N/ $\mu$ m
Radial rigidity	643 N/ $\mu$ m

Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.45 Hz
Characteristic outer ring frequency, BPF0	9.24 Hz
Characteristic inner ring frequency, BRFI	11.76 Hz
da min	77 mm
db min	77 mm
Da max	103 mm
Db max	103 mm
r1a max	1 mm
ra max	1 mm
D6	86.6 mm