

# INA VLA 20 0644 N thrust ball bearings

INA VLA 20 0644 N thrust ball bearings Engineering Calculator  
, 28 mm D Manufacturing Service . Get 15 mm d Your Free. 7 mm  
B

d	15 mm
D	28 mm
B	7 mm
d1	18.7 mm
D1	24.3 mm
D2	25.92 mm
a	9 mm
Contact angle $\alpha$	25 °
rs min	0.3 mm
r1s min	0.3 mm
f0	12.57
Precision class	P4
Mass	0.02 kg
Dynamic load, C	4.25 kN
Static load, C0	2.33 kN
Fatigue limit load, Cu	0.15 kN
Nlim (oil)	74,000 rpm
Nlim (grease)	49,000 rpm
Axial displacement K Factor	1.04
Preload level	9
Preload value	0.22 kN
Axial rigidity	89 N/ $\mu$ m

Radial rigidity	169 N/ $\mu$ m
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.26 Hz
Characteristic outer ring frequency, BPF0	5.41 Hz
Characteristic inner ring frequency, BRFI	7.59 Hz
da min	17.5 mm
db min	17.5 mm
Da max	25.5 mm
Db max	25.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	20.2 mm