

# KOYO 3NCHAC915CA angular contact ball bearings

Various 180 mm D 28 mm B types and sizes to accommodate 120 mm d your KOYO 3NCHAC915CA angular contact ball bearings requirements.

d	120 mm
D	180 mm
B	28 mm
d1	139.4 mm
D1	160.6 mm
D2	168.91 mm
a	49 mm
Contact angle $\alpha$	25 °
rs min	2 mm
r1s min	1 mm
f $\theta$	16.27
Precision class	P4
Mass	2.13 kg
Dynamic load, C	94.8 kN
Static load, C $\theta$	103 kN
Fatigue limit load, C $u$	4.75 kN
Nlim (oil)	10,500 rpm
Nlim (grease)	7,000 rpm
Axial displacement K Factor	0.43
Preload level	7
Preload value	1.16 kN
Axial rigidity	309 N/ $\mu$ m

Radial rigidity	672 N/ $\mu$ m
Min operating temperature, T <sub>min</sub>	-30 °C
Max operating temperature, T <sub>max</sub>	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	8.49 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	10.29 Hz
Characteristic inner ring frequency, BRF <sub>1</sub>	12.71 Hz
d <sub>a min</sub>	130 mm
d <sub>b min</sub>	130 mm
D <sub>a max</sub>	170 mm
D <sub>b max</sub>	170 mm
r <sub>1a max</sub>	1 mm
r <sub>a max</sub>	2 mm
D <sub>6</sub>	145 mm