

# AST AST50 56IB72 plain bearings

AST AST50 56IB72 plain bearings SEARCH – Whether it's agriculture or construction equipment your working on, Has the 85 mm d you need.

d	85 mm
D	120 mm
B	18 mm
d1	96.2 mm
D1	108.75 mm
D2	114.24 mm
a	23 mm
Contact angle $\alpha$	15 °
rs min	0.6 mm
r1s min	0.6 mm
f $\theta$	16.46
Precision class	P4
Mass	0.54 kg
Dynamic load, C	39.6 kN
Static load, C0	42.3 kN
Fatigue limit load, Cu	2.26 kN
Nlim (oil)	17,000 rpm
Nlim (grease)	11,000 rpm
Axial displacement K Factor	0.98
Preload level	7
Preload value	0.2 kN
Axial rigidity	86 N/ $\mu$ m

Radial rigidity	509 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	9.84 Hz
Characteristic outer ring frequency, BPF <sub>0</sub>	11.28 Hz
Characteristic inner ring frequency, BRF <sub>1</sub>	13.72 Hz
d <sub>a min</sub>	89.5 mm
d <sub>b min</sub>	89.5 mm
D <sub>a max</sub>	115.5 mm
D <sub>b max</sub>	115.5 mm
r <sub>1a max</sub>	0.6 mm
r <sub>a max</sub>	0.6 mm
D <sub>6</sub>	99.5 mm