

# AST AST850SM 3025 plain bearings

AST AST850SM 3025 plain bearings with easy-to-use parts graphics, giving 82.93 mm D you the ability to check 45.62 mm d parts availability, 25.4 mm B pricing, examine remanufactured options.

d	45.62 mm
D	82.93 mm
B	25.4 mm
C	19.05 mm
T	23.81 mm
d1	63 mm
a	17.61 mm
e	0.33
Y2	1.79
Y0	0.99
Mass	0.54 kg
Dynamic load, C	76 kN
Rating life coefficient, A2	1.9
Static load, C0	98 kN
Fatigue limit load, Cu	12 kN
Nlim (oil)	6,000 rpm
Nlim (grease)	4,500 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.08 Hz

Characteristic outer ring frequency, BPF0	7.78 Hz
Characteristic inner ring frequency, BRFI	10.22 Hz
ra max	3.5 mm
r1a max	0.8 mm