

ISB 18590/18520 tapered roller bearings

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d	35 mm
D	72 mm
B	17 mm
E	64 mm
F	44 mm
rs min	1.1 mm
r1s min	0.6 mm
Radial clearance class	CN
Mass (without HJ ring)	0.31 kg
Dynamic load, C	50.5 kN
Static load, C0	50 kN
Fatigue limit load, Cu	6.1 kN
Nlim (oil)	11,000 rpm
Nlim (grease)	9,500 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	160 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.22 Hz
Characteristic outer ring frequency, BPF0	5.7 Hz
Characteristic inner ring frequency, BRFI	8.3 Hz
da min	39 mm
da max	43 mm

db min	46 mm
Da max	65.5 mm
ra max	1 mm
r1a max	0.6 mm