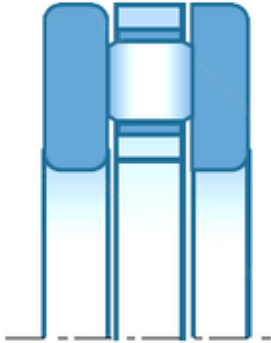




# LY?MANUFACTURING CO.,LTD.

## NTN 81228 thrust ball bearings



Bearing No. 81228

81228 Bearing 2D drawings and 3D CAD models

Size	140x200x46 mm
Bore Diameter	140,000 mm
Outer Diameter	200,000 mm
Width	46,000 mm
d	140,000 mm
D	200,000 mm
T	46,000 mm
d1	197 mm
D1	143 mm
Dc1	140 mm
Dc	200 mm
Dw	19 mm
Lw	19 mm
B	13.5 mm
rs min	1.5 mm
Cage assembly reference	K81228
Bearing ring (inner ring) WS	WS81228
Bearing ring (outer ring) GS	GS81228
Ea	189 mm
Eb	150.1 mm
Mass	4.57 kg
Cage assembly mass	1.2 kg
Bearing ring (inner ring) WS mass	1.69 kg
Bearing ring (outer ring) GS mass	1.69 kg



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Precision class	P0
Ca	370 kN
C0a	1,280 kN
Nlim (grease)	350 rpm
Nlim (oil)	1,400 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.5 Hz
Characteristic rolling element frequency, BSF	8.92 Hz
Characteristic outer ring frequency, BPF0	9 Hz
Characteristic inner ring frequency, BRFI	9 Hz
da min	188 mm
Db max	150 mm
ras max	1.5 mm