Technical data

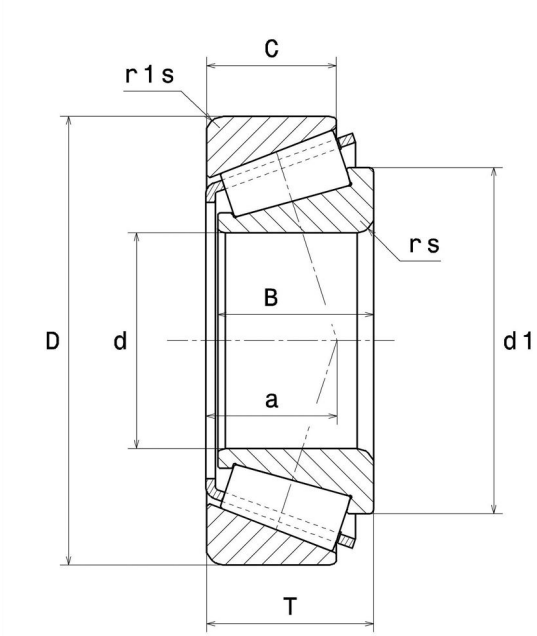
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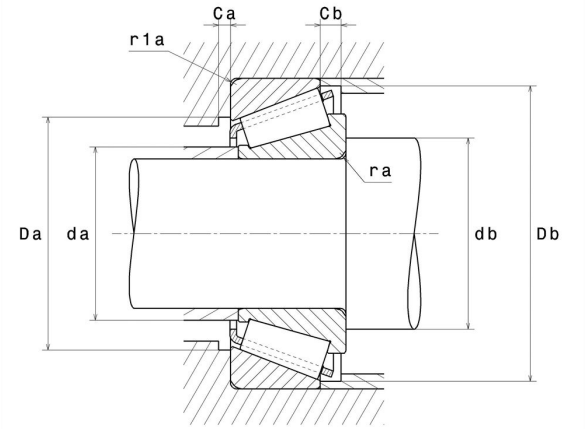
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	260 mm
D	400 mm
B	87 mm
C	65 mm
T	87 mm
d1	331.5 mm
a	85.5 mm
rs min	5 mm
r1s min	4 mm
e	0.43
Y2	1.38
Y0	0.76
Mass	39.4 kg
ISO 355 reference	T4FC260
Brand	NTN

Product performance

Dynamic load, C	1,200 kN
Rating life coefficient, A2	1
Static load, C0	2,270 kN
Fatigue limit load, Cu	193 kN
Nlim (oil)	1,100 Tr/min
Nlim (grease)	800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.59 Hz
Characteristic outer ring frequency, BPF0	12.61 Hz
Characteristic inner ring frequency, BPFI	15.39 Hz

Abutment dimensions

da max	287 mm
db min	282 mm
Da min	352 mm
Da max	382 mm
Db min	383 mm
Ca min	14 mm
Cb min	22 mm
ra max	4 mm
r1a max	3 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa / Fr \leq e$		$Fa / Fr > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
0.5	Y0

If $Po < Fr$, then use $Po = Fr$

The values for e, Y2 and Y0 are shown in the above table