Technical data

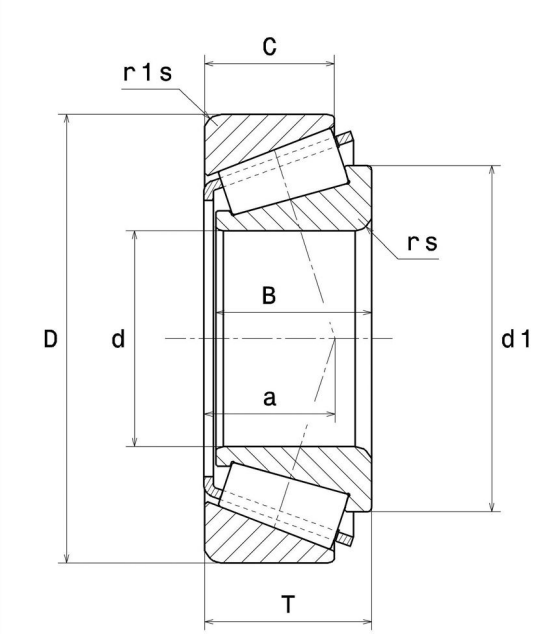
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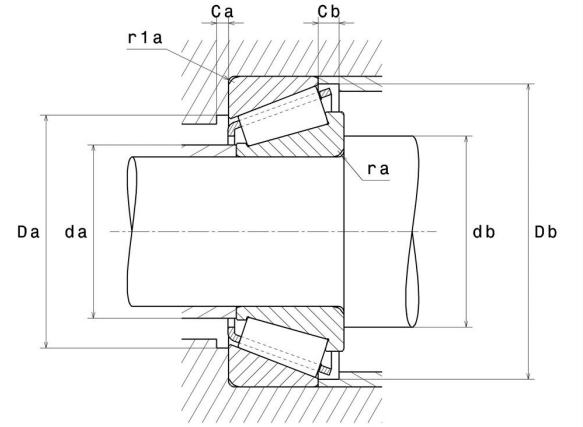
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	130 mm
D	230 mm
B	64 mm
C	54 mm
T	67.75 mm
d1	180 mm
a	57 mm
rs min	4 mm
r1s min	3 mm
e	0.44
Y2	1.38
Y0	0.76
Mass	11.2 kg
ISO 355 reference	T4FD130
Brand	NTN

Product performance

Dynamic load, C	530 kN
Rating life coefficient, A2	1
Static load, C0	815 kN
Fatigue limit load, Cu	83.4 kN
Nlim (oil)	2,000 Tr/min
Nlim (grease)	1,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.25 Hz
Characteristic outer ring frequency, BPF0	8.7 Hz
Characteristic inner ring frequency, BPFI	11.3 Hz

Abutment dimensions

da max	146 mm
db min	148 mm
Da min	193 mm
Da max	216 mm
Db min	219 mm
Ca min	7 mm
Cb min	13.5 mm
ra max	3 mm
r1a max	2.5 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