Technical data

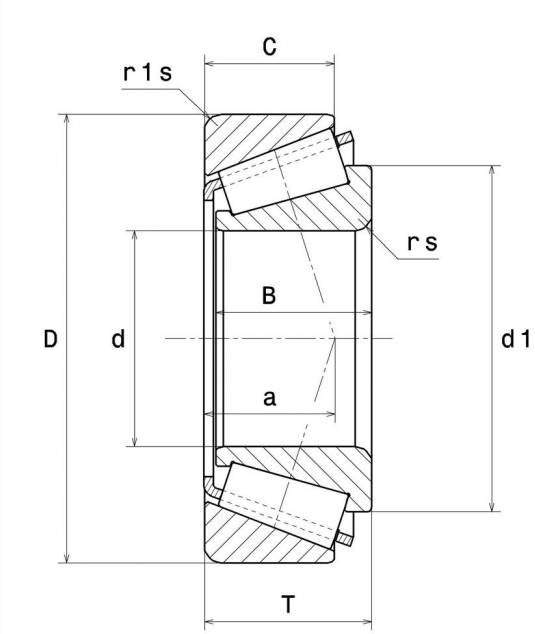
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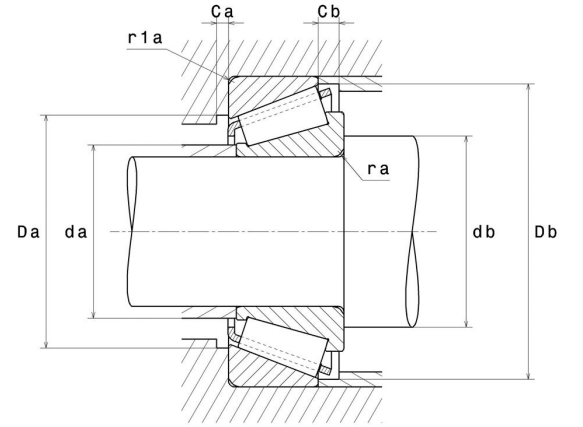
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	160 mm
D	220 mm
B	38 mm
C	30 mm
T	38 mm
d1	190 mm
a	38.5 mm
rs min	2.5 mm
r1s min	2 mm
e	0.35
Y2	1.73
Y0	0.95
Mass	4.15 kg
ISO 355 reference	T2DC160
Brand	NTN

Product performance

Dynamic load, C	276 kN
Rating life coefficient, A2	1
Static load, C0	520 kN
Fatigue limit load, Cu	52.3 kN
Nlim (oil)	1,900 Tr/min
Nlim (grease)	1,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	13.02 Hz
Characteristic outer ring frequency, BPF0	15.74 Hz
Characteristic inner ring frequency, BPFI	18.26 Hz

Abutment dimensions

da max	170.5 mm
db min	172 mm
Da min	199 mm
Da max	210 mm
Db min	213.5 mm
Ca min	7 mm
Cb min	8 mm
ra max	2 mm
r1a max	2 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