Technical data

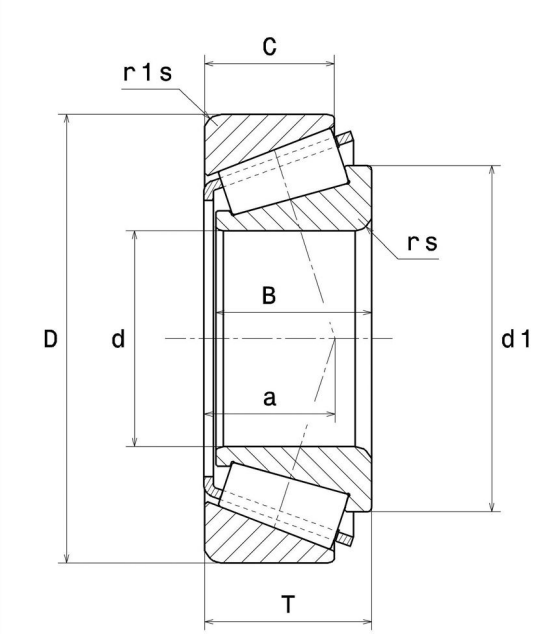
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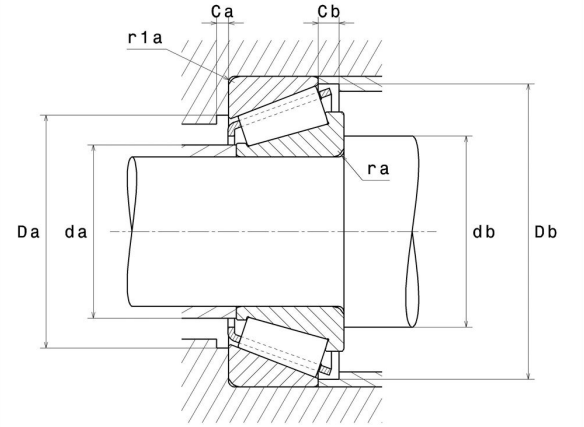
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	160 mm
D	290 mm
B	48 mm
C	40 mm
T	52 mm
d1	219 mm
a	55.5 mm
rs min	4 mm
r1s min	3 mm
e	0.44
Y2	1.38
Y0	0.76
Mass	12.9 kg
ISO 355 reference	T4GB160
Brand	NTN

Product performance

Dynamic load, C	525 kN
Rating life coefficient, A2	1
Static load, C0	720 kN
Fatigue limit load, Cu	68.9 kN
Nlim (oil)	1,600 Tr/min
Nlim (grease)	1,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.89 Hz
Characteristic outer ring frequency, BPF0	8.63 Hz
Characteristic inner ring frequency, BPFI	11.37 Hz

Abutment dimensions

da max	189 mm
db min	178 mm
Da min	252 mm
Da max	276 mm
Db min	272 mm
Ca min	8 mm
Cb min	12 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