Technical data

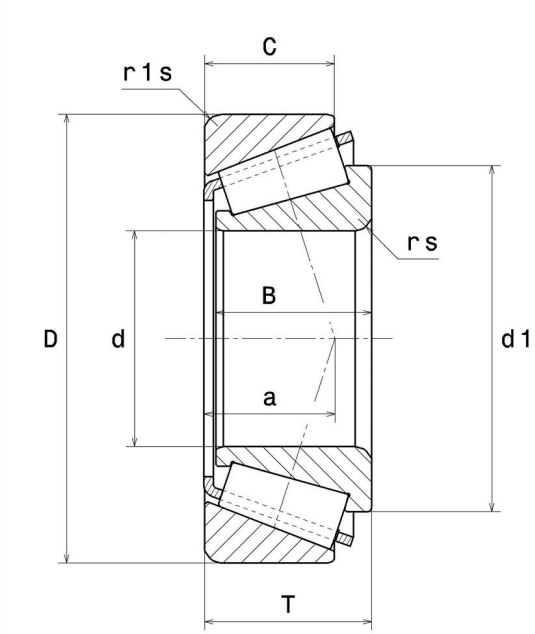
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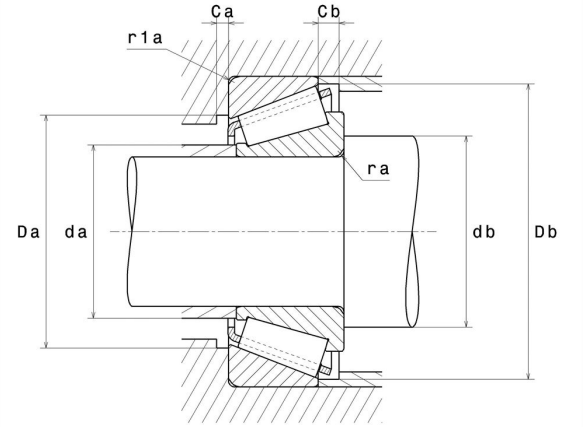
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	65 mm
D	120 mm
B	31 mm
C	27 mm
T	32.75 mm
d1	91 mm
a	27 mm
rs min	2 mm
r1s min	1.5 mm
e	0.4
Y2	1.48
Y0	0.81
Mass	1.58 kg
ISO 355 reference	T3EC065
Brand	NTN

Product performance

Dynamic load, C	159 kN
Rating life coefficient, A2	1
Static load, C0	206 kN
Fatigue limit load, Cu	25.1 kN
Nlim (oil)	4,200 Tr/min
Nlim (grease)	3,100 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	6.36 Hz
Characteristic outer ring frequency, BPF0	8.09 Hz
Characteristic inner ring frequency, BPFI	10.91 Hz

Abutment dimensions

da max	75 mm
db min	75 mm
Da min	104 mm
Da max	111.5 mm
Db min	115 mm
Ca min	4 mm
Cb min	5.5 mm
ra max	2 mm
r1a max	1.5 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