Technical data

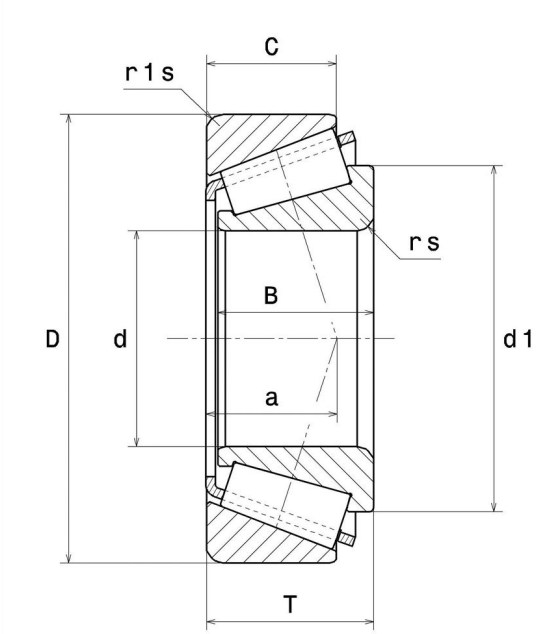
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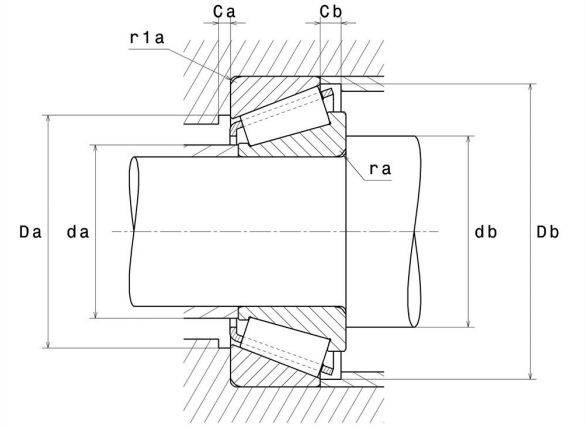
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	30 mm
D	72.08 mm
B	19.2 mm
C	18.42 mm
T	22.38 mm
a	26.5 mm
rs min	0.8 mm
r1s min	2.3 mm
e	0.38
Y2	1.57
Y0	0.86
Mass	0.44 kg
Brand	NTN

Product performance

Dynamic load, C	48.5 kN
Rating life coefficient, A2	1.4
Static load, C0	58 kN
Nlim (oil)	7,400 Tr/min
Nlim (grease)	5,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	0.8 mm
r1a max	2.3 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ 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