Technical data

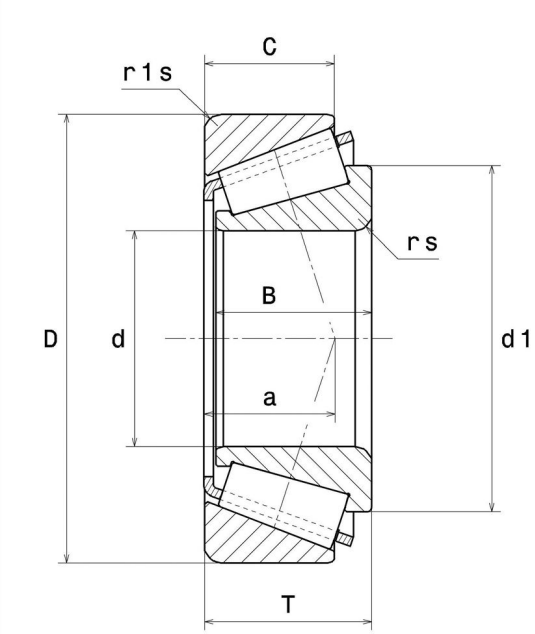
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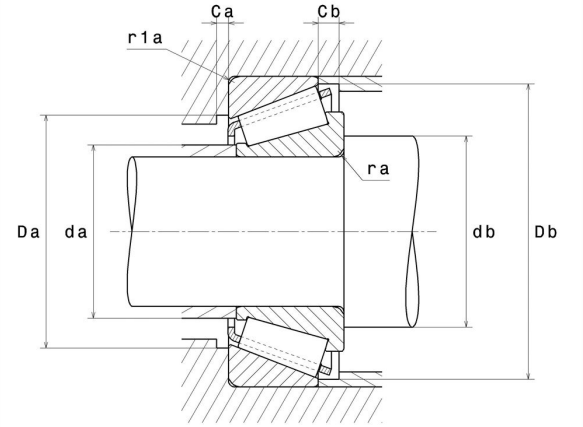
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	29.99 mm
D	62 mm
B	20.64 mm
C	15.88 mm
T	20.64 mm
a	14.6 mm
rs min	1.3 mm
r1s min	1.3 mm
e	0.35
Y2	1.71
Y0	0.94
Mass	0.27 kg
Brand	NTN

Product performance

Dynamic load, C	46.5 kN
Rating life coefficient, A2	1.4
Static load, C0	54 kN
Nlim (oil)	8,200 Tr/min
Nlim (grease)	6,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	1.3 mm
r1a max	1.3 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