Technical datasheet

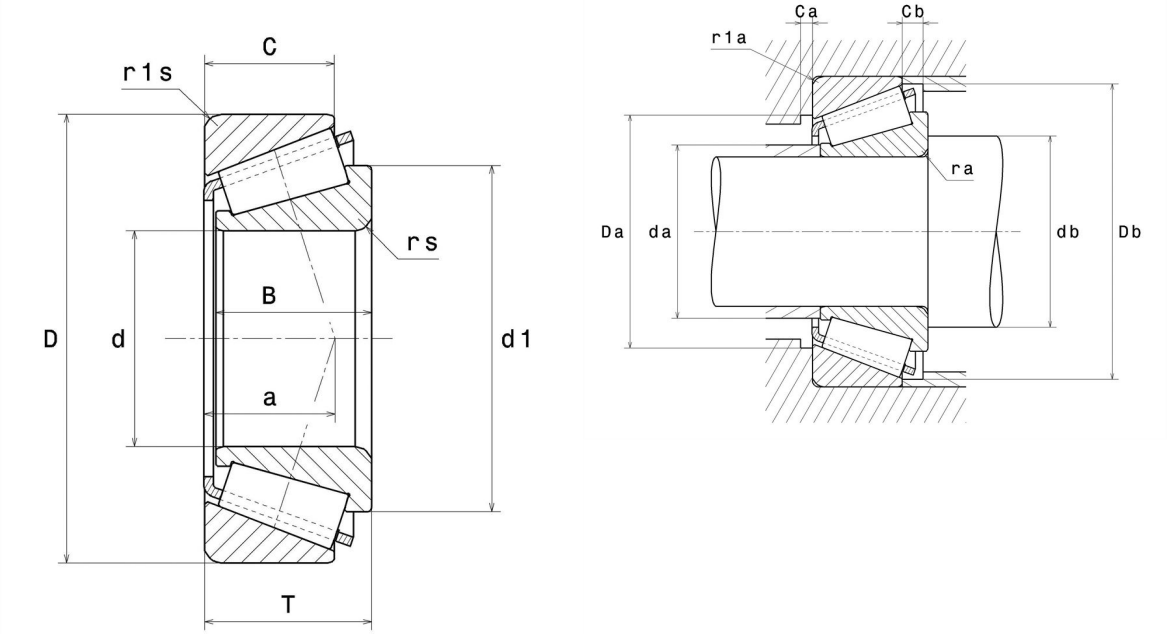
4T-32207CR

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	35 mm
D	72 mm
B	23 mm
C	18 mm
T	24.25 mm
a	20.5 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.58
Y2	1.03
Y0	0.57
Mass	0.46 kg
ISO 355 reference	T3DC035
Brand	NTN

Product performance

Dynamic load, C	62 kN
Rating life coefficient, A2	1.4
Static load, C0	78.5 kN
Fatigue limit load, Cu	9.6 kN
Nlim (oil)	7,100 rpm
Nlim (grease)	5,300 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	43.5 mm
db min	42 mm
Da max	63.5 mm
Db min	68 mm
ra max	1.5 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