Technical datasheet

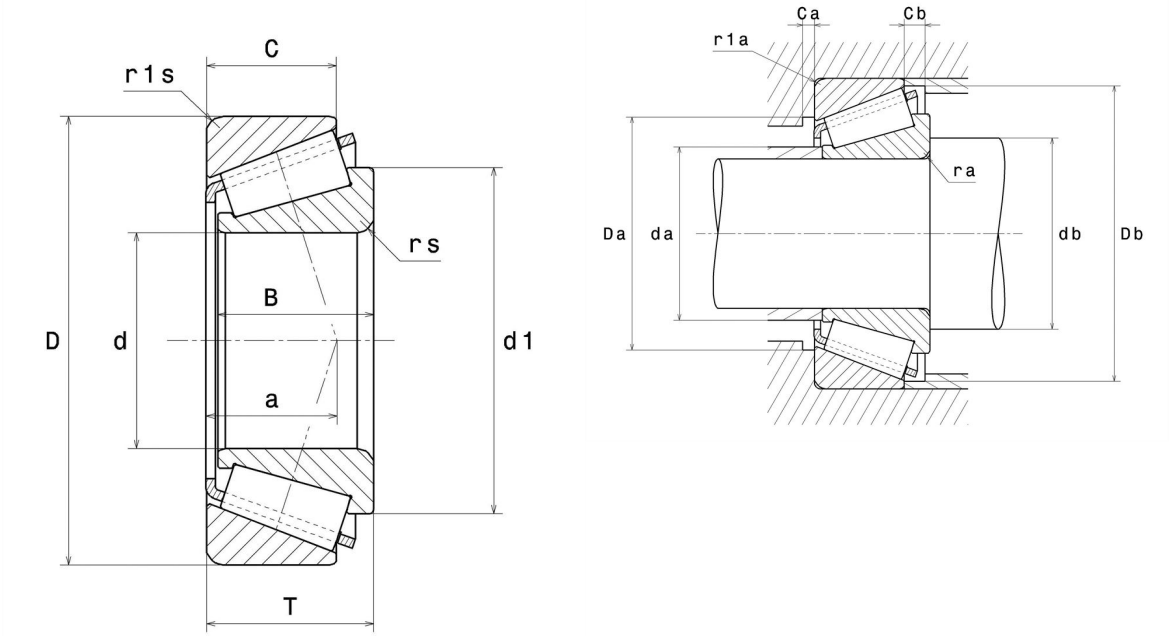
4T-32205CR

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	25 mm
D	52 mm
B	18 mm
C	15 mm
T	19.25 mm
a	16 mm
rs min	1 mm
r1s min	1 mm
e	0.58
Y2	1.03
Y0	0.57
Mass	0.19 kg
ISO 355 reference	T2CD025
Brand	NTN

Product performance

Dynamic load, C	34.5 kN
Rating life coefficient, A2	1.4
Static load, C0	42 kN
Fatigue limit load, Cu	5.1 kN
Nlim (oil)	9,400 rpm
Nlim (grease)	7,100 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	30.5 mm
db min	30 mm
Da max	46.5 mm
Db min	49 mm
ra max	1 mm
r1a max	1 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