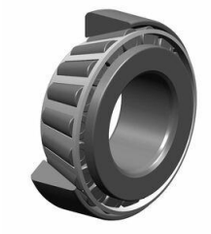
Technical data

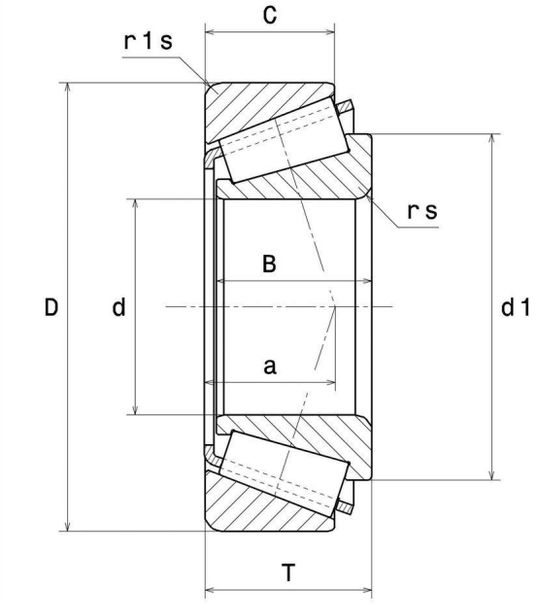
4T-33206

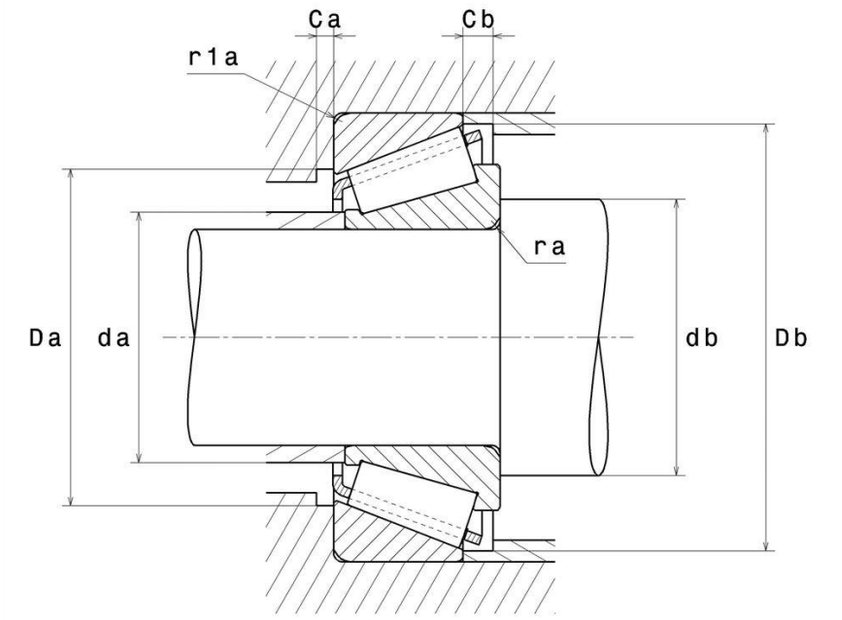
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)





4T-33206
Single row tapered roller bearings

PRODUCT DIMENSIONS	
Internal diameter d	30 mm
External diameter D	62 mm
Bearing/Inner ring width(B)	25 mm
Outer ring width (C)	19,5 mm
Total width (T)	25 mm
External diameter inner ring d1	46 mm
Charge load application point a	16 mm
Min fillet radius rs	1 mm
Min fillet radius r1s	1 mm
Coef e	0.34
Upper axial load coef (Y2)	1.76
Static axial load coef (Y0)	0.97
Mass	0,348 kg
ISO 355 reference	T2DE030
Brand	NTN

PRODUCT PERFORMANCE	
Dynamic load, C	72 kN
Rating life coefficient, A2	1.0
Static load, C0	77 kN
Fatigue limit load, Cu	9,4 kN
Nlim (oil)	8400 tr/min
Nlim (grease)	6300 tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.414 Hz
Characteristic rolling element frequency, BSF	5.501 Hz
Characteristic outer ring frequency, BPF0	6.624 Hz
Characteristic inner ring frequency, BPFI	9.376 Hz

ABUTMENT	
Max shoulder diameter IR da max	36 mm
Min IR shoulder diameter (db min)	35,5 mm

ABUTMENT	
Min shoulder diameter OR Da min	53 mm
Max shoulder diameter OR Da max	56,5 mm
Min OR shoulder diameter Db min	59 mm
Min clearance Ca	5 mm
Min clearance Cb	5,5 mm
Max fillet radius ra max	1 mm
Maxi fillet radius r1a	1 mm

INDUSTRY CALCUL 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