Technical datasheet

32238UUTG

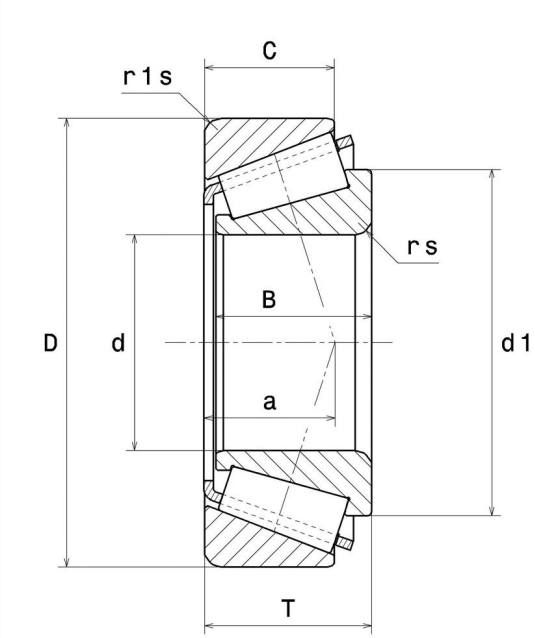
Single row tapered roller bearings

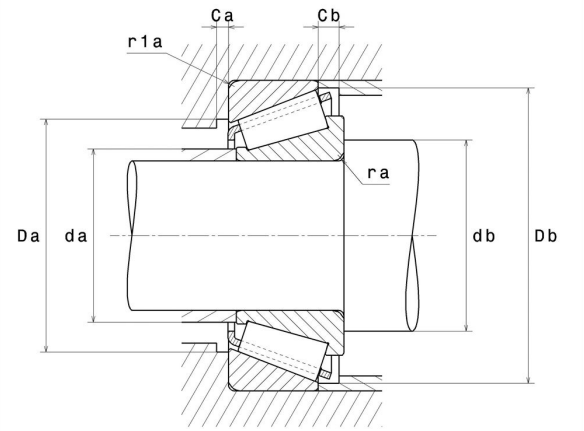
Tapered roller bearing, pressed steel cage

ULTAGE



Visual(s)





Product definition

d	190 mm
D	340 mm
B	92 mm
C	75 mm
T	97 mm
a	82 mm
rs min	5 mm
r1s min	4 mm
e	0.44
Y2	1.38
Y0	0.76
Mass	36.1 kg
ISO 355 reference	T4GD190
Brand	NTN

Product performance

Dynamic load, C	1,470 kN
Rating life coefficient, A2	1
Static load, C0	1,850 kN
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.9 Hz
Characteristic outer ring frequency, BPF0	8.63 Hz
Characteristic inner ring frequency, BPFI	11.37 Hz

Abutment dimensions

da max	216 mm
db min	212 mm
Da min	282 mm
Da max	322 mm
Db min	323 mm
Ca min	11 mm
Cb min	22 mm
ra max	4 mm
r1a max	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