



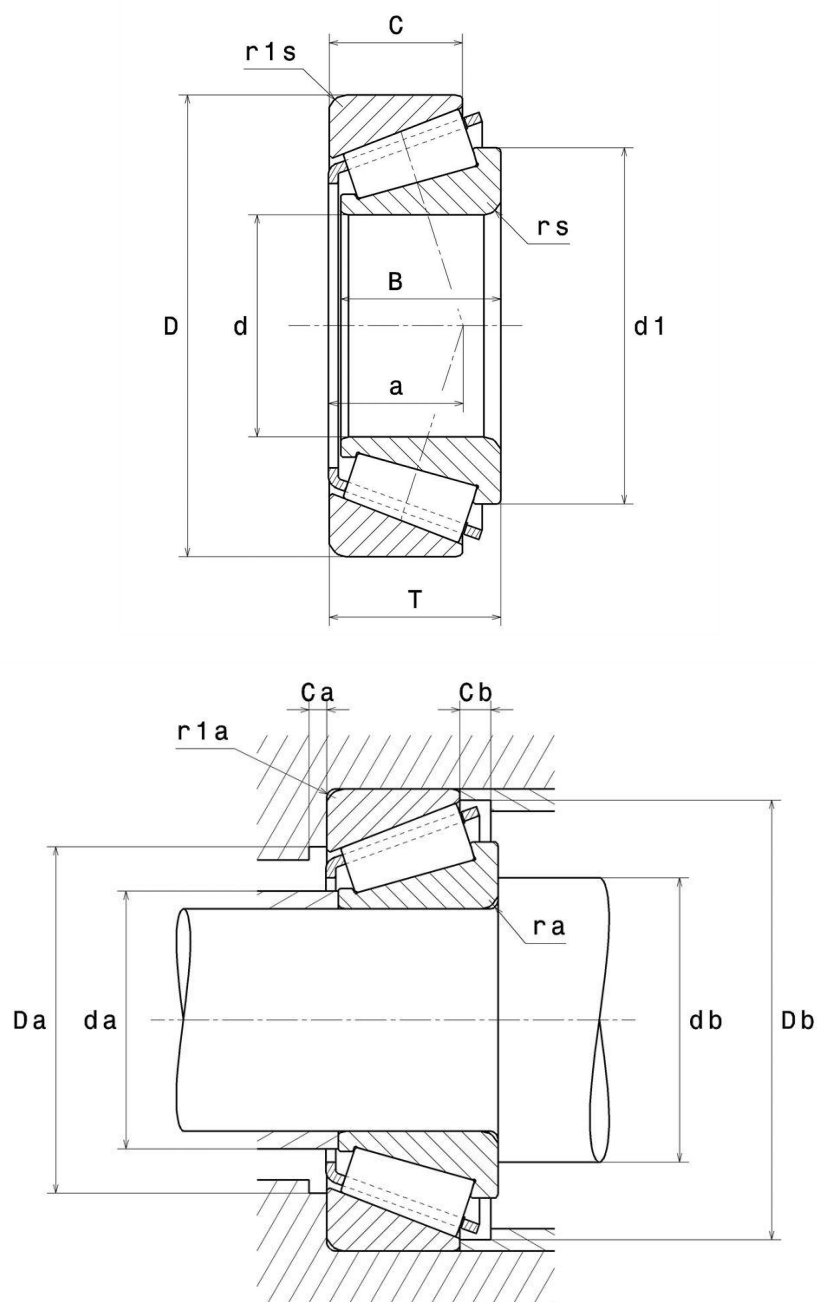
Technical data

4T-33287/33462

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)



4T-33287/33462

Single row tapered roller bearings

PRODUCT DIMENSIONS

Internal diameter d	73,025 mm
External diameter D	117,475 mm
Bearing/Inner ring width(B)	30,162 mm
Outer ring width (C)	23,812 mm
Total width (T)	30,162 mm
External diameter inner ring d1	94,5 mm
Charge load application point a	27,562 mm
Coef e	0.44
Upper axial load coef (Y2)	1.38
Static axial load coef (Y0)	0.76
Mass	1,19 kg
Brand	NTN

PRODUCT PERFORMANCE

Dynamic load, C	129 kN
Rating life coefficient, A2	1.0
Static load, C0	175 kN
Fatigue limit load, Cu	21,3 kN
Nlim (oil)	4000 tr/min
Nlim (grease)	3000 tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.448 Hz
Characteristic rolling element frequency, BSF	9.159 Hz
Characteristic outer ring frequency, BPF0	10.307 Hz
Characteristic inner ring frequency, BRFI	12.693 Hz

ABUTMENT

Max shoulder diameter IR da max	80 mm
Min IR shoulder diameter (db min)	87 mm
Max shoulder diameter OR Da max	104 mm
Min OR shoulder diameter Db min	112 mm
Max fillet radius ra max	3,5 mm

ABUTMENT

Maxi fillet radius r1a

3,3 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.5	Y0

If $P_0 < F_r$, then use $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table