

Technical data

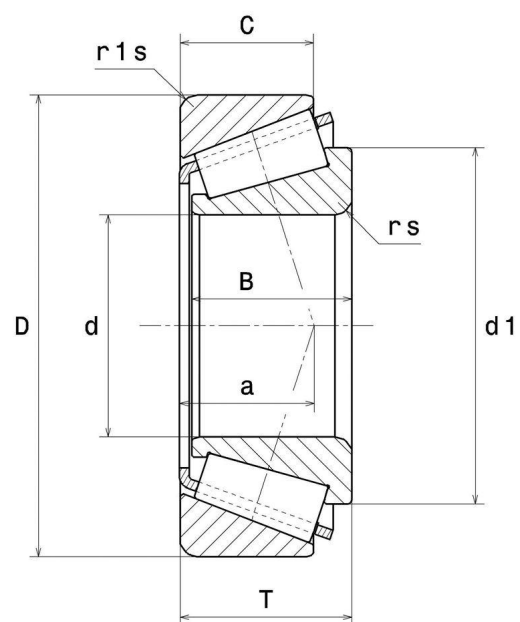
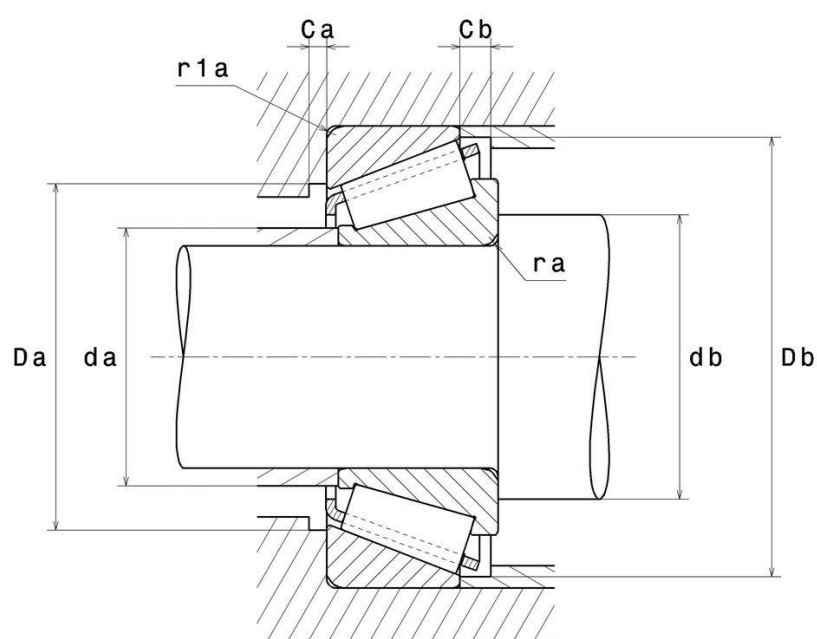
33017U

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



33017U

Single row tapered roller bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	85 mm
D - External diameter	130 mm
B - Bearing/Inner ring width	36 mm
C - Outer ring width	29,5 mm
T - Total width	36 mm
d1 - External diameter inner ring	108 mm
a - Charge load application point	26 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Mass	1,69 kg
ISO 355 reference	T2CE085

PRODUCT PERFORMANCE	
C - Dynamic load	195000000 mN
C0 - Static load	296000000 mN
Cu - Fatigue limit load	35500000 mN
A2 - Rating life coefficient	1
e - Coefficient	0.29
Y0 - Static axial load coefficient	1.13
Y2 - Upper axial load coefficient	2.06
N lim - Oil lubrication limit speed	21000 °/s
N lim - Grease lubrication limit speed	15600 °/s
Tmin - Min operating temperature	233,15 °K



NTN Europe

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 S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
 SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

PRODUCT PERFORMANCE

Tmax - Max operating temperature	393,15 °K
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ABUTMENT

da max - Max shoulder diameter IR	94 mm
db min - Min IR shoulder diameter	93,5 mm
Da min - Min shoulder diameter OR	118 mm
Da max - Max shoulder diameter OR	121,5 mm
Db min - Min OR shoulder diameter	125 mm
Ca - Min clearance	6 mm
Cb - Min clearance	6,5 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

OE EQUIVALENTS

Manufacturer	Part number
MAN	06.32499-0121
Mercedes	006 981 8705 006 981 9705 007 981 4905
Scania	1364631 1911811 264961

AUTOMOTIVE COMPATIBILITY

Brand	Model	Generation	Date	Location	Position
Mercedes	ATEGO	ATEGO	01/1998 => 10/2004		Front
Mercedes	ATEGO	ATEGO	01/1998 => 10/2004		Rear
Mercedes	ATEGO 2	ATEGO 2	10/2004 =>		Front
Mercedes	ATEGO 2	ATEGO 2	10/2004 =>		Rear
Mercedes	ATEGO 3	ATEGO 3	04/2013 =>		Front



AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
Mercedes	LK/LN2	LK/LN2	04/1984 => 12/1998		Front

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 $P_0 \leq F_r$, then use $P_0 = F_r$

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