



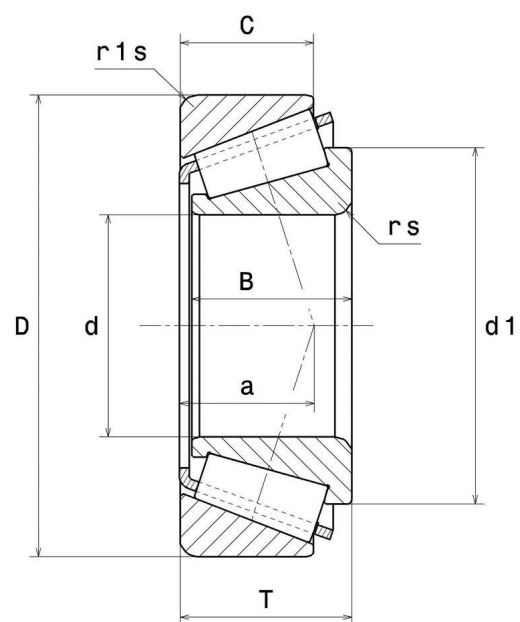
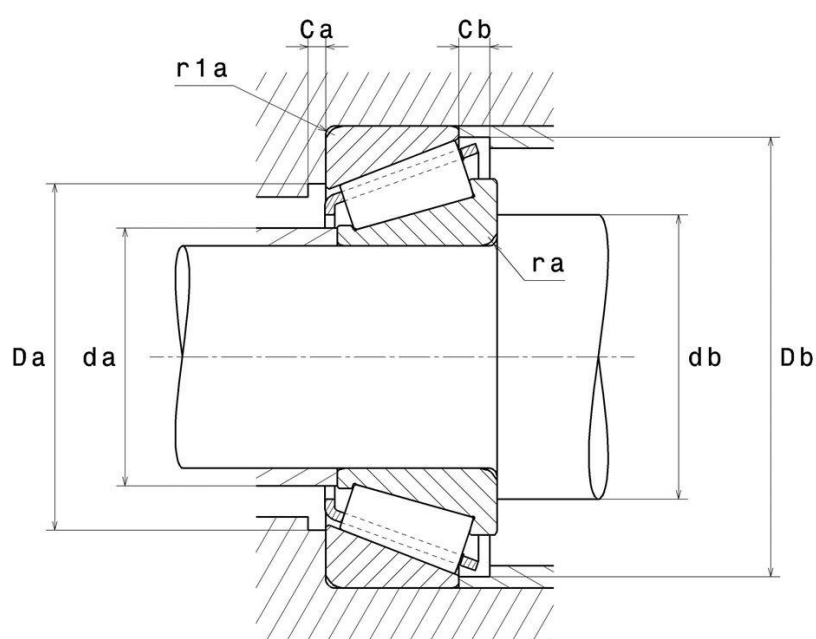
Technical data

33117U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	85 mm
D - External diameter	140 mm
B - Bearing/Inner ring width	41 mm
C - Outer ring width	32 mm
T - Total width	41 mm
a - Charge load application point	33 mm
rs - Min fillet radius	2,5 mm
r1s - Min fillet radius	2 mm
Mass	2,44 kg
ISO 355 reference	T3DE085

PRODUCT PERFORMANCE

C - Dynamic load	234000000 mN
C0 - Static load	330000000 mN
Cu - Fatigue limit load	39000000 mN
A2 - Rating life coefficient	1
e - Coefficient	0.41
Y0 - Static axial load coefficient	0.81
Y2 - Upper axial load coefficient	1.48
N lim - Oil lubrication limit speed	20400 °/s
N lim - Grease lubrication limit speed	15000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K



ABUTMENT	
da max - Max shoulder diameter IR	97 mm
db min - Min IR shoulder diameter	95 mm
Da min - Min shoulder diameter OR	118 mm
Da max - Max shoulder diameter OR	130 mm
Db min - Min OR shoulder diameter	135,5 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm

OE EQUIVALENTS	
Manufacturer	Part number
Mercedes	001 980 6702 005 981 8305 005 981 8605
Renault Trucks	5000675250 5010587007

AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
Mercedes	LK/LN2	LK/LN2	01/1984 => 12/1998		Rear
Mercedes	MK	MK	12/1987 => 09/1996		Rear
Mercedes	NG	NG	08/1973 => 09/1996		Rear
Mercedes	O 302	O 302	05/1969 => 12/1974		Rear
Mercedes	O 303	O 303	10/1974 => 09/1992		Rear
Mercedes	O 340	O 340	01/1991 => 08/1995		Rear
Mercedes	O 340	O 340	01/1991 =>		
Mercedes	O 403	O 403	09/2003 =>		Rear
Mercedes	O 404	O 404	01/1991 => 12/1999		Rear



AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
Mercedes	OF	OF	01/1983 =>		Rear
Mercedes	OH	OH	01/1970 =>		
Mercedes	OH	OH	01/1970 =>		Rear
Mercedes	SK	SK	09/1991 => 09/1996		Rear
Mercedes	TOURISMO (O 350)	TOURISMO (O 350)	08/1995 =>		Rear
Renault Trucks	D	D	01/2013 =>		Rear
Renault Trucks	G	G	02/1990 => 09/1991		Rear
Renault Trucks	KERAX	KERAX	06/1997 =>		Rear
Renault Trucks	MAGNUM	MAGNUM	02/1992 =>		Rear
Renault Trucks	MANAGER	MANAGER	09/1991 => 10/1996		Rear
Renault Trucks	MIDLINER	MIDLINER	05/1983 => 01/2000		Rear
Renault Trucks	MIDLUM	MIDLUM	01/2000 =>		Rear
Renault Trucks	PREMIUM	PREMIUM	04/1996 =>		Rear
Renault Trucks	PREMIUM 2	PREMIUM 2	10/2005 =>		Rear



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

