

Technical data

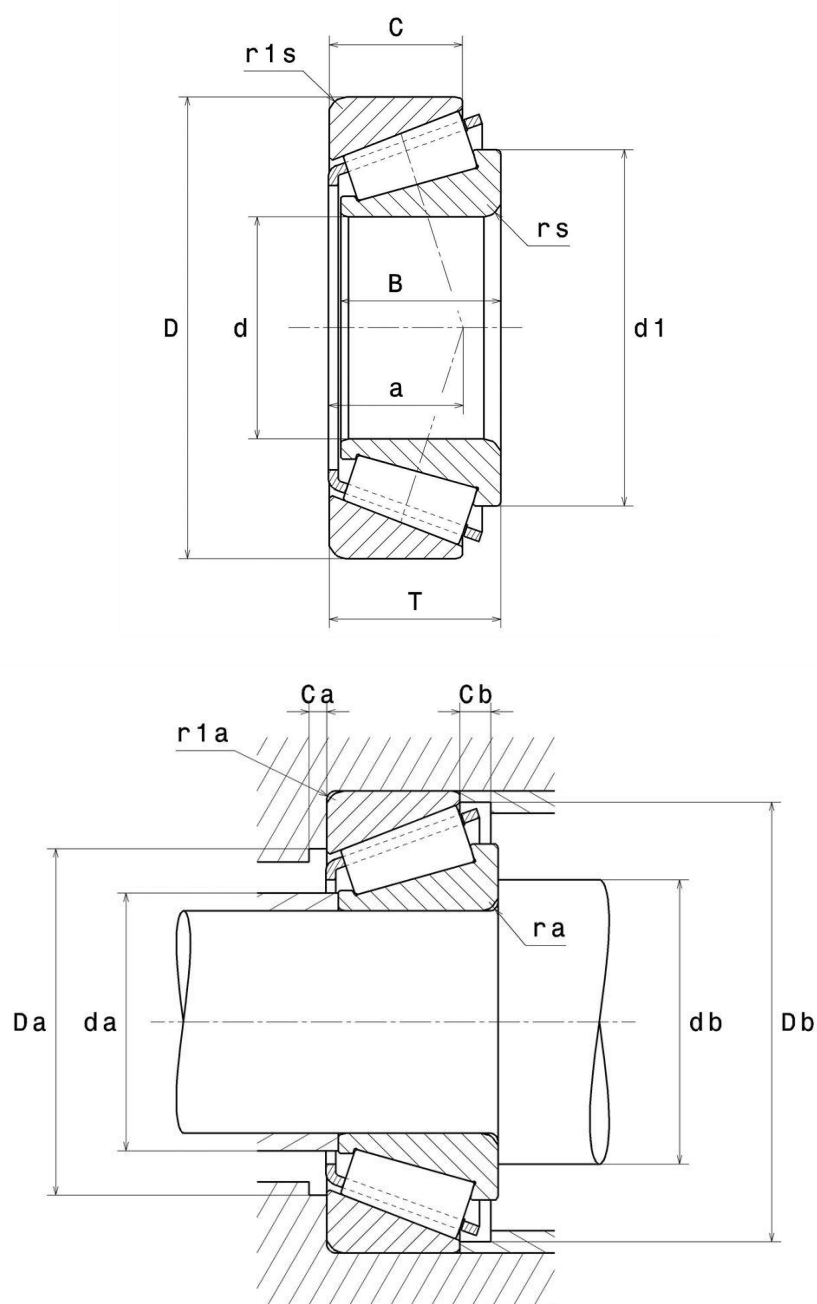
30205A

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



30205A

Single row tapered roller bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	25 mm
D - External diameter	52 mm
B - Bearing/Inner ring width	15 mm
C - Outer ring width	13 mm
T - Total width	16,25 mm
d1 - External diameter inner ring	37,9 mm
a - Charge load application point	12,7 mm
rs - Min fillet radius	1 mm
r1s - Min fillet radius	1 mm
Mass	0,153 kg
ISO 355 reference	T3CC025

PRODUCT PERFORMANCE

C - Dynamic load	35,3 kN
A2 - Rating life coefficient	1
C0 - Static load	36,9 kN
Cu - Fatigue limit load	4,5 kN
e - Coefficient	0.37
Y0 - Static axial load coefficient	0.88
Y2 - Upper axial load coefficient	1.6
N ref - Reference thermal speed	8900 tr/min
N lim - Mechanical Limit Speed	15000 tr/min
Tmin - Min operating temperature	-40 °C



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	120 °C
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BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	6.702 Hz
BPFI - Over rolling frequency on inner (60 rpm)	9.298 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.824 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.912 Hz
FTF - Rotational frequency - cage (60 rpm)	0.419 Hz

ABUTMENT

da max - Max shoulder diameter IR	31 mm
db min - Min IR shoulder diameter	30,5 mm
Da min - Min shoulder diameter OR	44 mm
Da max - Max shoulder diameter OR	46,5 mm
Db min - Min OR shoulder diameter	48 mm
Ca - Min clearance	2 mm
Cb - Min clearance	3 mm
ra max - Max fillet radius	1 mm
r1a - Max fillet radius	1 mm

OE EQUIVALENTS

Manufacturer	Part number
Ford	4488728
Mazda	UH71-33-075
Mazda, Kia	0S083-33-075



AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
Chevrolet	MATIZ	MATIZ	01/2005 => 02/2011	Left,Right	Train arrière
Chevrolet	MATIZ	MATIZ I	03/1998 => 01/2005	Right,Left	Train arrière
Chevrolet	MATIZ	MATIZ I	10/2002 => 01/2005	Left,Right	Rear
Chevrolet	MATIZ	MATIZ II	=>	Droit,Gauche	Rear
Chevrolet	MATIZ	MATIZ II	=>	Left,Right	Rear
Chevrolet	SPARK	SPARK	05/2005 => 12/2009	Left,Right	Train arrière
Daewoo	MATIZ	MATIZ I	03/1998 => 01/2005	Droit,Gauche	Rear
Daewoo	MATIZ	MATIZ I	03/1998 => 01/2005	Left,Right	Rear
Daewoo	MATIZ	MATIZ I	10/2002 => 01/2005	Gauche,Droit	Rear
Daewoo	MATIZ	MATIZ II	01/2005 => 02/2011	Left,Right	Rear
Ford	Ranger	RANGER II	01/2002 => 09/2006	Droit	Train avant
Ford	Ranger	RANGER III	=>	Droit,Gauche	Train avant
Ford	Ranger	Ranger	10/2005 => 12/0200	Left,Right	Train avant
Kia	BESTA	BESTA	03/1986 => 07/1999	Left,Right	Front
Kia	BESTA	BESTA	05/1993 => 07/1999	Left,Right	Train avant
Kia	K	K I	07/1997 => 01/2007	Right	Front
Kia	K	K I	01/2005 => 01/2007	Droit	Front
Mazda	B-SERIE	B-SERIE	11/1989 => 01/1999	Left,Right	Train avant
Mazda	B-SERIES	B-SERIES	08/1991 => 12/2006	Left,Right	Front
Mazda	B-SERIES	B-SERIES	02/1999 => 12/2006	Left,Right	Train avant



AUTOMOTIVE COMPATIBILITY

Brand	Model	Generation	Date	Location	Position
Mazda	B2500	B2500	=> 10/2006	Left,Right	Train avant
Mazda	BONGO	BONGO	12/1987 => 09/1994	Left,Right	Front
Mazda	BONGO	BONGO	12/1987 => 04/2002	Left,Right	Train avant
Mazda	BT-50	BT-50 I	08/2006 => 12/2012	Left,Right	Train avant
Mazda	E	E	12/1987 => 04/2002	Left,Right	Train avant
Mazda	SERIE B	SERIE B	11/1989 => 01/1999	Droit,Gauche	Front
Volkswagen	BEETLE	BEETLE	05/2005 => 12/2009	Left,Right	Train arrière

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



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