

Technical data

4T-32011X

Single row tapered roller bearings

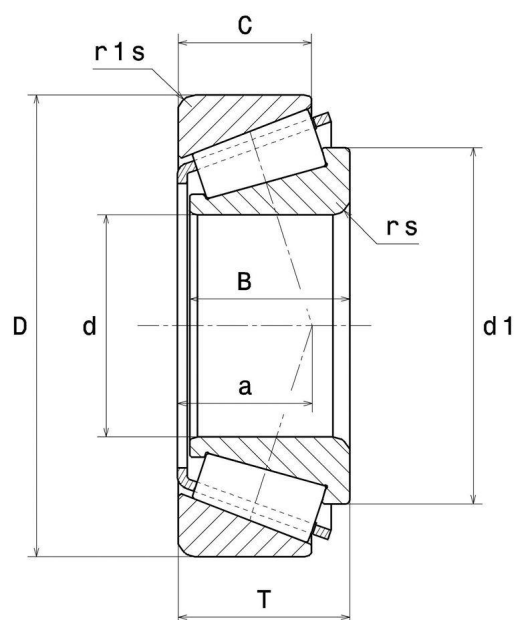


Tapered roller bearing, pressed steel cage

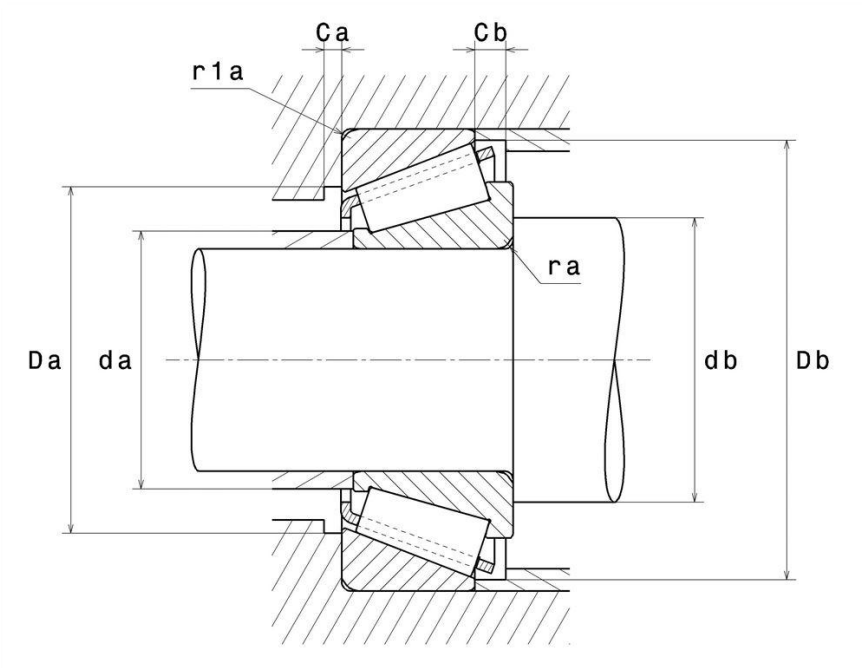
KIT CONTENT

4T-32011X

VISUAL (S)



4T-32011X
Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	55 mm
D - External diameter	90 mm
B - Bearing/Inner ring width	23 mm
C - Outer ring width	17,5 mm
T - Total width	23 mm
d1 - External diameter inner ring	74 mm
a - Charge load application point	20 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Mass	0,56 kg
ISO 355 reference	T3CC055

PRODUCT PERFORMANCE



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Single row tapered roller bearings

PRODUCT PERFORMANCE

C - Dynamic load	89000000 mN
C0 - Static load	118000000 mN
Cu - Fatigue limit load	14400000 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	32400 °/s
N lim - Grease lubrication limit speed	24000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da max - Max shoulder diameter IR	63 mm
db min - Min IR shoulder diameter	63,5 mm
Da min - Min shoulder diameter OR	81 mm
Da max - Max shoulder diameter OR	81,5 mm
Db min - Min OR shoulder diameter	86 mm
Ca - Min clearance	4 mm
Cb - Min clearance	5,5 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

OE EQUIVALENTS

Manufacturer	Part number
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NTN Europe

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SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

4T-32011X

Single row tapered roller bearings

OE EQUIVALENTS	
Manufacturer	Part number
Mazda	9960-32-011
Mercedes	0009809002 0029811305 0029816605 006 981 9002 0069815605 0079810405 0099814505 0099814805 0099816105 0099817005 A0009809002 A0029811305 A0029816605 A0069815605 A0079810405 A0099814505 A0099814805 A0099816105 A0099817005
ZF	0750 117 024 0750117785

AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
Mazda	BONGO	BONGO	12/1987 => 04/2001	Right,Left	Rear
Mazda	BONGO	BONGO	07/1988 => 10/1989	Left,Right	Rear
Mercedes	CLASSE G	CLASSE G I	09/1989 => 09/1997	Left,Right	Front
Mercedes	CLASSE G	CLASSE G I	09/1989 =>	Right,Left	Front
Mercedes	CLASSE G	CLASSE G I	04/1999 =>		
Mercedes	G-SERIES	G-SERIES	09/1989 =>	Right,Left	Front
Mercedes	G-SERIES	G-SERIES	04/2010 =>		
Mercedes	SERIE L	SERIE L I	09/1988 => 02/1996	Left,Right	Rear
Mercedes	SERIE L	SERIE L I	09/1988 => 02/1996	Right,Left	Rear
Mercedes	SPRINTER	SPRINTER I	=>	Left,Right	Front
Mercedes	SPRINTER	SPRINTER I	=>	Right,Left	Front
Mercedes	SPRINTER	SPRINTER I	02/1995 => 02/2006	Right,Left	Rear
Mercedes	SPRINTER	SPRINTER I	02/1996 => 02/2006	Right,Left	Rear,Front
Mercedes	SPRINTER SERIES	SPRINTER SERIES	02/1995 => 02/2006	Right,Left	Rear
Mercedes	T1	T1 I	06/1981 => 02/1996	Right,Left	Rear



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AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
Mercedes	T1-400-SERIES	T1-400-SERIES	03/1982 => 01/1990	Right,Left	Rear
Mercedes	T1-400-SERIES	T1-400-SERIES	03/1982 => 02/1996	Left,Right	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