



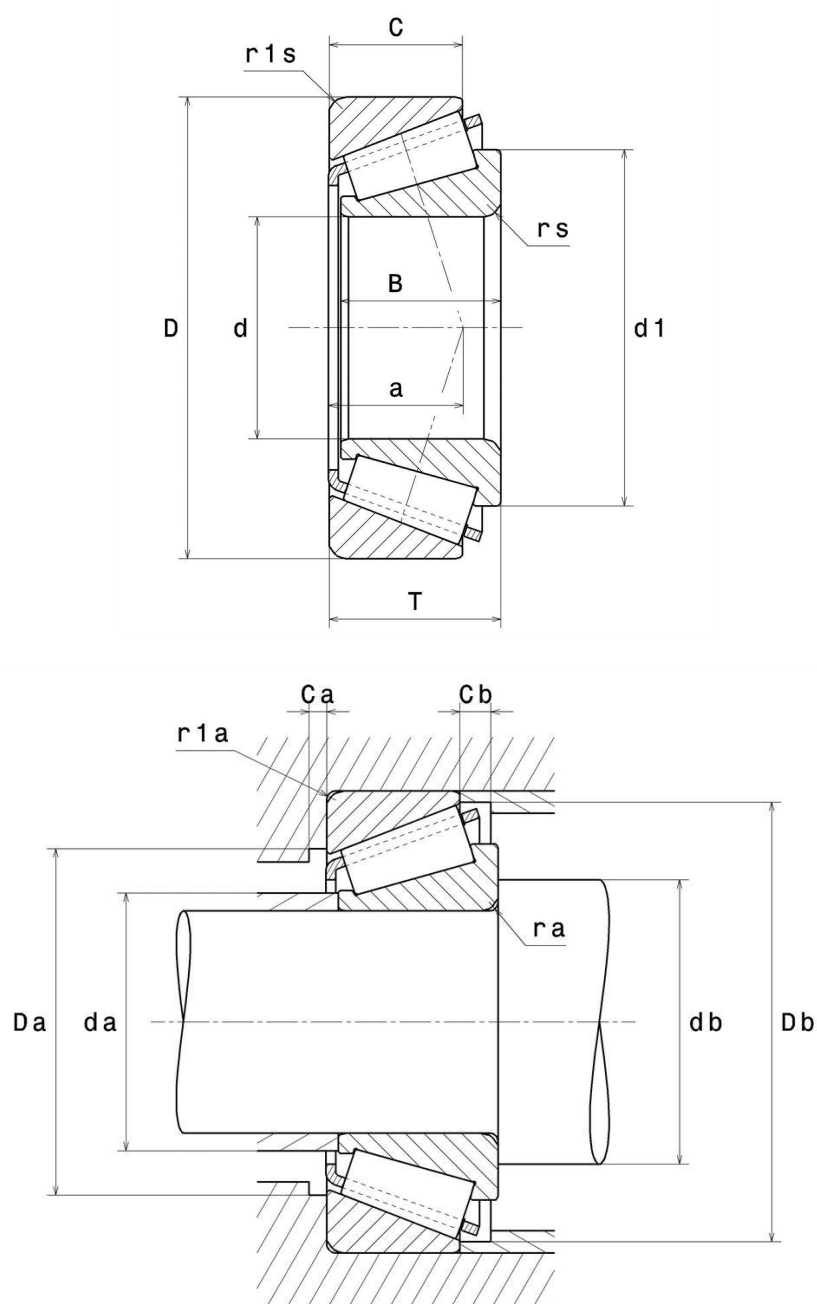
Technical data

30218U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	90 mm
D - External diameter	160 mm
B - Bearing/Inner ring width	30 mm
C - Outer ring width	26 mm
T - Total width	32,5 mm
d1 - External diameter inner ring	121 mm
a - Charge load application point	32 mm
rs - Min fillet radius	2,5 mm
r1s - Min fillet radius	2 mm
Mass	2,66 kg
ISO 355 reference	T3FB090

PRODUCT PERFORMANCE	
C - Dynamic load	230000000 mN
C0 - Static load	267000000 mN
Cu - Fatigue limit load	30500000 mN
A2 - Rating life coefficient	1
e - Coefficient	0.42
Y0 - Static axial load coefficient	0.79
Y2 - Upper axial load coefficient	1.43
N lim - Oil lubrication limit speed	18000 °/s
N lim - Grease lubrication limit speed	13200 °/s
Tmin - Min operating temperature	233,15 °K



PRODUCT PERFORMANCE

Tmax - Max operating temperature	393,15 °K
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ABUTMENT

da max - Max shoulder diameter IR	103 mm
db min - Min IR shoulder diameter	102 mm
Da min - Min shoulder diameter OR	140 mm
Da max - Max shoulder diameter OR	150 mm
Db min - Min OR shoulder diameter	150 mm
Ca - Min clearance	5 mm
Cb - Min clearance	6,5 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm

OE EQUIVALENTS

Manufacturer	Part number
Iveco	1102858
MAN	06.32480-0021 06.32480-4800 06.32489-0021 87.52310-1710

AUTOMOTIVE COMPATIBILITY

Brand	Model	Generation	Date	Location	Position
Iveco	EUROCARGO I-III	EUROCARGO I-III	01/1991 => 09/2015		Rear
Iveco	EUROCARGO I-III	EUROCARGO I-III	09/2000 => 09/2015		
Iveco	EUROCARGO V	EUROCARGO V	09/2015 =>		Rear
Iveco	P/PA	P/PA	03/1984 => 06/1986		Rear
Iveco	P/PA-Haubenfahr	P/PA-Haubenfahrzeuge	07/1989 => 12/1993		Rear



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AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
MAN	EM	EM	08/1987 =>		Rear
MAN	F2000	F2000	01/1994 =>		
MAN	F2000	F2000	01/1994 =>		Rear
MAN	HOCL	HOCL	08/1987 =>		Rear
MAN	HOCL	HOCL	01/1998 =>		
MAN	L2000	L2000	10/1993 =>		Rear
MAN	L2000	L2000	05/1994 =>		
MAN	LION'S CITY	LION'S CITY	02/2009 =>		Rear
MAN	M 2000 L	M 2000 L	08/1995 =>		Rear
MAN	M 2000 L	M 2000 L	09/1999 =>		Front
MAN	M 2000 L	M 2000 L	09/2000 =>		
MAN	M 2000 M	M 2000 M	08/1995 => 12/2005		Rear
MAN	M 2000 M	M 2000 M	06/1998 => 12/2005		
MAN	M90	M90	08/1988 => 06/1996		Rear
MAN	M90	M90	12/1988 => 05/1994		
MAN	NM	NM	08/1987 =>		Rear
MAN	SM	SM	11/1987 => 02/1995		Rear



NTN Europe

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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

