

Technical data

33118U

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	150 mm
B - Bearing/Inner ring width	45 mm
C - Outer ring width	35 mm
T - Total width	35 mm
a - Charge load application point	35,5 mm
rs - Min fillet radius	2,5 mm
r1s - Min fillet radius	2 mm
Mass	3,1 kg
ISO 355 reference	T3DE080

PRODUCT PERFORMANCE

C - Dynamic load	280000000 mN
C0 - Static load	400000000 mN
Cu - Fatigue limit load	46000000 mN
A2 - Rating life coefficient	1
e - Coefficient	0.4
Y0 - Static axial load coefficient	0.83
Y2 - Upper axial load coefficient	1.51
N lim - Oil lubrication limit speed	19200 °/s
N lim - Grease lubrication limit speed	14400 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K



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ABUTMENT	
da max - Max shoulder diameter IR	102 mm
db min - Min IR shoulder diameter	101 mm
Da min - Min shoulder diameter OR	127,5 mm
Da max - Max shoulder diameter OR	140 mm
Db min - Min OR shoulder diameter	145,5 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm

OE EQUIVALENTS	
Manufacturer	Part number
BPW	02.6408.92.00
Iveco	42103253 7074945 7174945
SAF	4200100900

AUTOMOTIVE COMPATIBILITY					
Brand	Model	Generation	Date	Location	Position
Iveco	EUROCARGO I-III	EUROCARGO I-III	01/1991 => 09/2015		
Iveco	EUROCARGO I-III	EUROCARGO I-III	01/1991 => 09/2015		Rear



NTN Europe

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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

Fa / Fr ≤ e		Fa / Fr > 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

