



Technical data

4T-A4050/A4138

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-A4138

VISUAL (S)



4T-A4050/A4138
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	12,7 mm
D - External diameter	34,988 mm
B - Bearing/Inner ring width	10,988 mm
C - Outer ring width	8,73 mm
T - Total width	10,998 mm
a - Charge load application point	8,498 mm
Mass	0,053 kg

PRODUCT PERFORMANCE	
C - Dynamic load	13,7 kN
C0 - Static load	11,6 kN
Cu - Fatigue limit load	1,41 kN
A2 - Rating life coefficient	1

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PRODUCT PERFORMANCE

e - Coefficient	0.45
Y0 - Static axial load coefficient	0.73
Y2 - Upper axial load coefficient	1.32
N lim - Oil lubrication limit speed	16000 tr/min
N lim - Grease lubrication limit speed	12000 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	17 mm
db min - Min IR shoulder diameter	18,5 mm
Da max - Max shoulder diameter OR	29 mm
Db min - Min OR shoulder diameter	32 mm
ra max - Max fillet radius	1,3 mm
r1a - Max fillet radius	1,3 mm

KIT COMPONENT

Cone designation	4T-A4050
Cup designation	4T-A4138

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-A4050/A4138
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No
Rolling element material	Acier de cémentation



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

