



Technical data

4T-07100S/07196

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-07196, 4T-07100S

VISUAL (S)



4T-07100S/07196
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	25,4 mm
D - External diameter	50,005 mm
B - Bearing/Inner ring width	14,26 mm
C - Outer ring width	9,525 mm
T - Total width	13,495 mm
a - Charge load application point	10,495 mm
Mass	0,114 kg

PRODUCT PERFORMANCE	
C - Dynamic load	28,8 kN
C0 - Static load	27,9 kN
Cu - Fatigue limit load	3,4 kN
A2 - Rating life coefficient	1

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PRODUCT PERFORMANCE

e - Coefficient	0.4
Y0 - Static axial load coefficient	0.82
Y2 - Upper axial load coefficient	1.49
N lim - Oil lubrication limit speed	10000 tr/min
N lim - Grease lubrication limit speed	7500 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	29,5 mm
db min - Min IR shoulder diameter	31,5 mm
Da max - Max shoulder diameter OR	44,5 mm
Db min - Min OR shoulder diameter	47 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1 mm

KIT COMPONENT

Cone designation	4T-07100S
Cup designation	4T-07196

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-07100S/07196
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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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

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

