



Technical data

4T-12580/12520

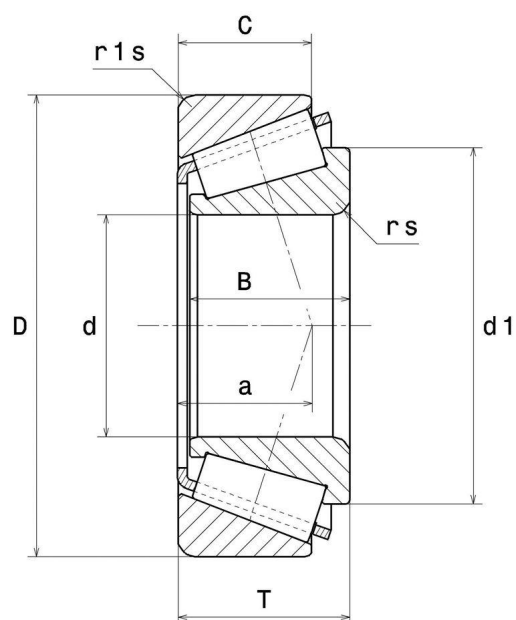
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-12520, 4T-12580

VISUAL (S)



4T-12580/12520
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	20,638 mm
D - External diameter	49,225 mm
B - Bearing/Inner ring width	19,845 mm
C - Outer ring width	15,875 mm
T - Total width	19,845 mm
d1 - External diameter inner ring	34,3 mm
a - Charge load application point	12,745 mm
Mass	0,183 kg

PRODUCT PERFORMANCE	
C - Dynamic load	41,5 kN
C0 - Static load	39 kN
Cu - Fatigue limit load	4,75 kN

4T-12580/12520

Single row tapered roller bearings

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.32
Y0 - Static axial load coefficient	1.02
Y2 - Upper axial load coefficient	1.86
N lim - Oil lubrication limit speed	11000 tr/min
N lim - Grease lubrication limit speed	8200 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	26 mm
db min - Min IR shoulder diameter	28,5 mm
Da max - Max shoulder diameter OR	42,5 mm
Db min - Min OR shoulder diameter	45,5 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

KIT COMPONENT

Cone designation	4T-12580
Cup designation	4T-12520

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-12580/12520
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No



NTN Europe

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ESHOPDONOTDISPLAY

Rolling element material

Acier de cémentation

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.Fr + Y.Fa$$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$Po = Xo.Fr + Yo.Fa$$

Xo	Yo
0.5	Y0

If $Po \leq Fr$, then use $Po = Fr$

The values for e, Y2 and Y0 are shown in the above table

