



Technical data

4T-78214C/78551

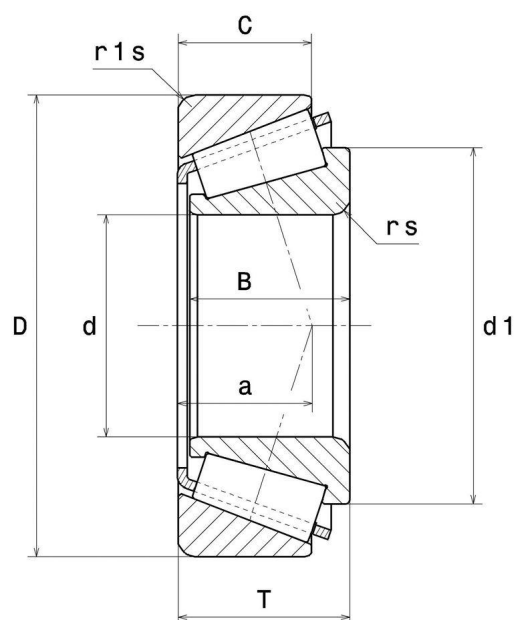
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

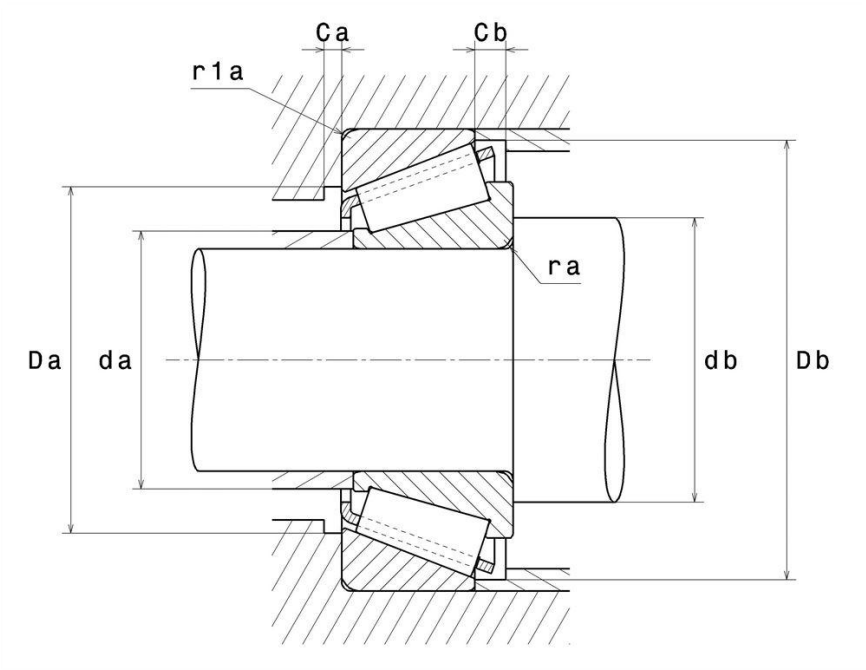
KIT CONTENT

4T-78551, 4T-78214C

VISUAL (S)



4T-78214C/78551
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	53,975 mm
D - External diameter	140,03 mm
B - Bearing/Inner ring width	33,236 mm
C - Outer ring width	23,52 mm
T - Total width	36,512 mm
d1 - External diameter inner ring	103,5 mm
a - Charge load application point	45,012 mm
Mass	2,77 kg

PRODUCT PERFORMANCE	
C - Dynamic load	190 kN
C0 - Static load	212 kN
Cu - Fatigue limit load	25,9 kN

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Single row tapered roller bearings

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.87
Y0 - Static axial load coefficient	0.38
Y2 - Upper axial load coefficient	0.69
N lim - Oil lubrication limit speed	3400 tr/min
N lim - Grease lubrication limit speed	2600 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	77 mm
db min - Min IR shoulder diameter	79 mm
Da max - Max shoulder diameter OR	117 mm
Db min - Min OR shoulder diameter	132 mm
ra max - Max fillet radius	0,8 mm
r1a - Max fillet radius	2,3 mm

KIT COMPONENT

Cone designation	4T-78214C
Cup designation	4T-78551

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-78214C/78551
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

$P = X.F_r + Y.F_a$

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

Equivalent static radial load

$P_o = X_o.F_r + Y_o.F_a$

X _o	Y _o
0.5	Y0

If $P_o \leq F_r$, then use $P_o = F_r$

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

