



Technical data

4T-25590/25522

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-25522, 4T-25590

VISUAL (S)



4T-25590/25522
Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	45,618 mm
D - External diameter	83,058 mm
B - Bearing/Inner ring width	25,4 mm
C - Outer ring width	19,114 mm
T - Total width	23,876 mm
d1 - External diameter inner ring	63 mm
a - Charge load application point	17,676 mm
Mass	0,545 kg

PRODUCT PERFORMANCE

C - Dynamic load	84,5 kN
C0 - Static load	98 kN
Cu - Fatigue limit load	12 kN



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PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.33
Y0 - Static axial load coefficient	0.99
Y2 - Upper axial load coefficient	1.79
N lim - Oil lubrication limit speed	6000 tr/min
N lim - Grease lubrication limit speed	4500 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	51 mm
db min - Min IR shoulder diameter	58 mm
Da max - Max shoulder diameter OR	73 mm
Db min - Min OR shoulder diameter	77 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	2 mm

KIT COMPONENT

Cone designation	4T-25590
Cup designation	4T-25522

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-25590/25522
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 ₀	Y ₀
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

