

Technical data

4T-529/522

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

KIT CONTENT

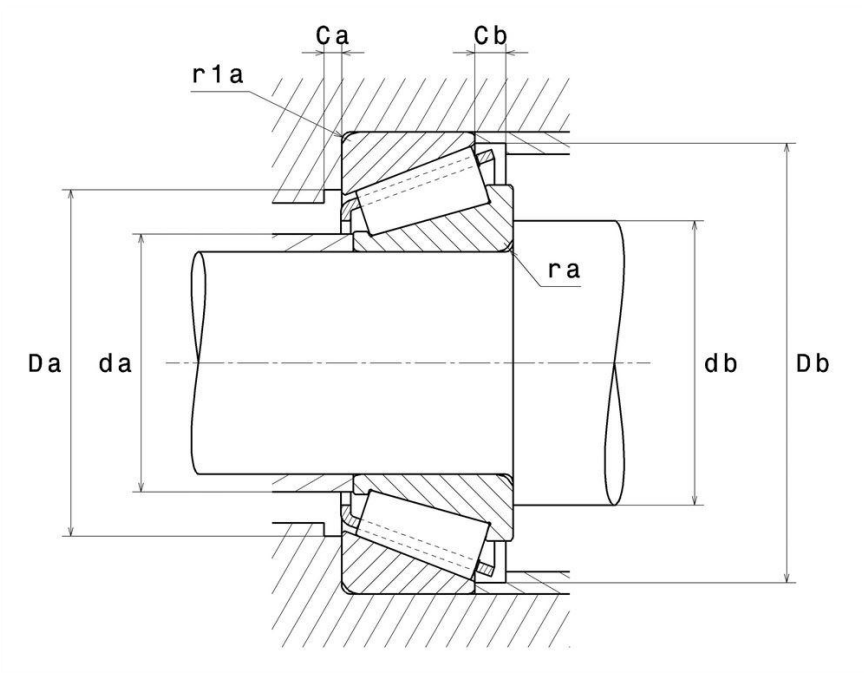
4T-529, 4T-522

VISUAL (S)



4T-529/522

Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	50,8 mm
D - External diameter	101,6 mm
B - Bearing/Inner ring width	36,068 mm
C - Outer ring width	26,988 mm
T - Total width	34,925 mm
d1 - External diameter inner ring	73,4 mm
a - Charge load application point	22,025 mm
Mass	1,23 kg

PRODUCT PERFORMANCE	
C - Dynamic load	150 kN
C0 - Static load	165 kN
Cu - Fatigue limit load	20,1 kN

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PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.29
Y0 - Static axial load coefficient	1.16
Y2 - Upper axial load coefficient	2.1
N lim - Oil lubrication limit speed	5000 tr/min
N lim - Grease lubrication limit speed	3800 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	58 mm
db min - Min IR shoulder diameter	59 mm
Da max - Max shoulder diameter OR	89 mm
Db min - Min OR shoulder diameter	95 mm
ra max - Max fillet radius	0,8 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT

Cone designation	4T-529
Cup designation	4T-522

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-529/522
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

