



Technical data

4T-68462/68712

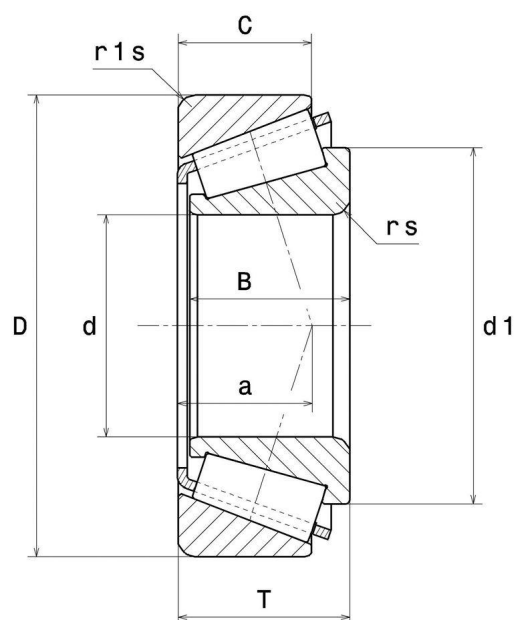
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

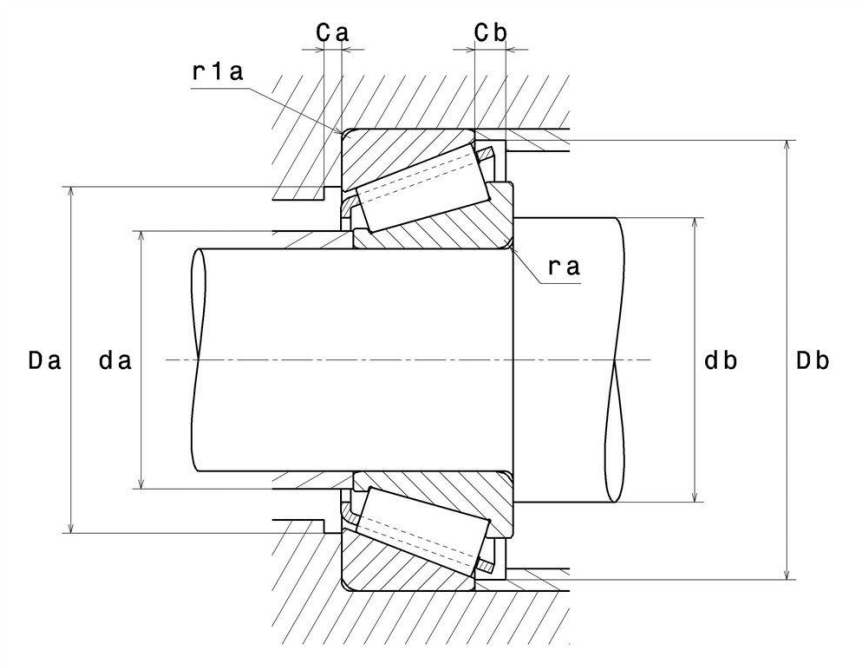
4T-68462, 4T-68712

VISUAL (S)



4T-68462/68712

Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	117,475 mm
D - External diameter	180,975 mm
B - Bearing/Inner ring width	31,75 mm
C - Outer ring width	25,4 mm
T - Total width	34,925 mm
d1 - External diameter inner ring	145,5 mm
a - Charge load application point	40,325 mm
rs - Min fillet radius	3,5 mm
r1s - Min fillet radius	3,3 mm
Mass	2,78 kg

PRODUCT PERFORMANCE

C - Dynamic load	169 kN
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PRODUCT PERFORMANCE

C0 - Static load	245 kN
Cu - Fatigue limit load	26,6 kN
A2 - Rating life coefficient	1
e - Coefficient	0.5
Y0 - Static axial load coefficient	0.66
Y2 - Upper axial load coefficient	1.21
N lim - Oil lubrication limit speed	2500 tr/min
N lim - Grease lubrication limit speed	1900 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	125 mm
db min - Min IR shoulder diameter	132 mm
Da max - Max shoulder diameter OR	163 mm
Db min - Min OR shoulder diameter	172 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT

Cone designation	4T-68462
Cup designation	4T-68712

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-68462/68712



ESHOPDONOTDISPLAY

Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No
Rolling element material	Acier de cémentation

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	Y ₂

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.5	Y ₀

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

