



Technical data

4T-T7FC045

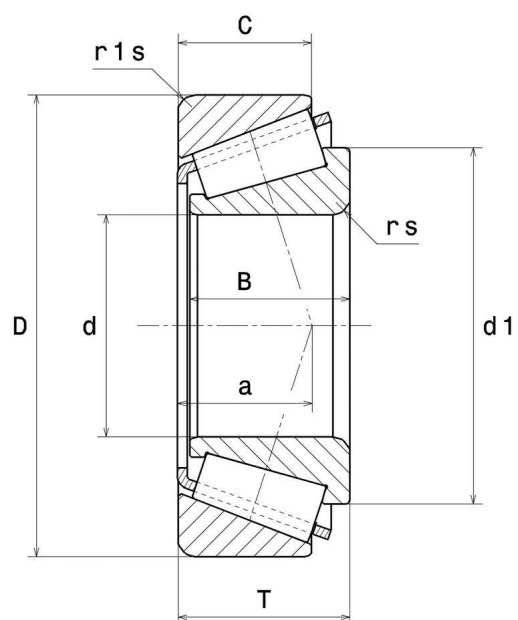
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

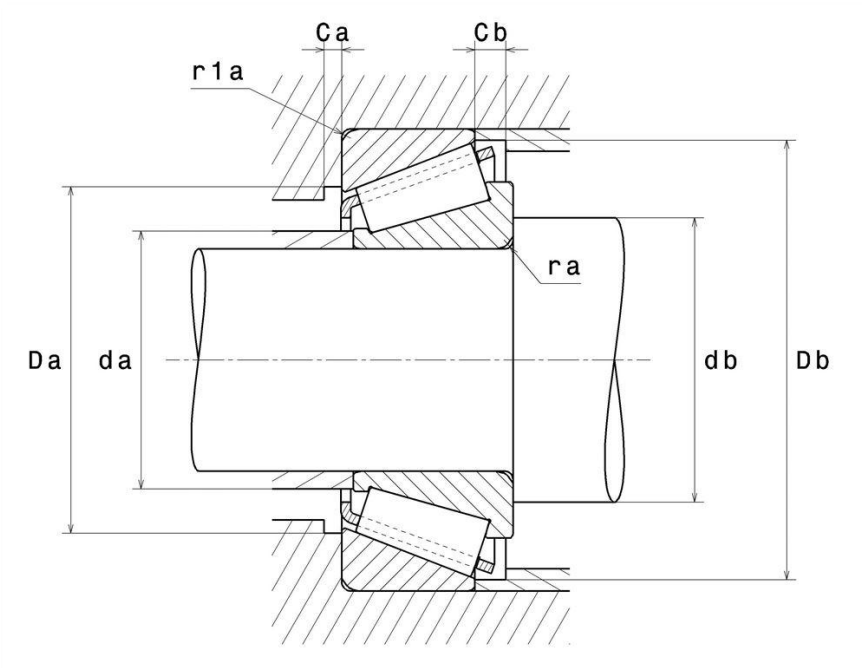
KIT CONTENT

4T-T7FC045

VISUAL (S)



4T-T7FC045
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	45 mm
D - External diameter	95 mm
B - Bearing/Inner ring width	26,5 mm
C - Outer ring width	20 mm
T - Total width	29 mm
d1 - External diameter inner ring	72,5 mm
a - Charge load application point	33 mm
rs - Min fillet radius	2,5 mm
r1s - Min fillet radius	2,5 mm
Mass	0,907 kg

PRODUCT PERFORMANCE	
C - Dynamic load	99500000 mN

4T-T7FC045

Single row tapered roller bearings

PRODUCT PERFORMANCE

C0 - Static load	108000000 mN
Cu - Fatigue limit load	13200000 mN
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	33000 °/s
N lim - Grease lubrication limit speed	24600 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da max - Max shoulder diameter IR	53,5 mm
db min - Min IR shoulder diameter	57 mm
Da max - Max shoulder diameter OR	85 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm



NTN Europe

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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	Y2

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

X_0	Y_0
0.5	Y0

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

