



Technical data

4T-M86647/M86610

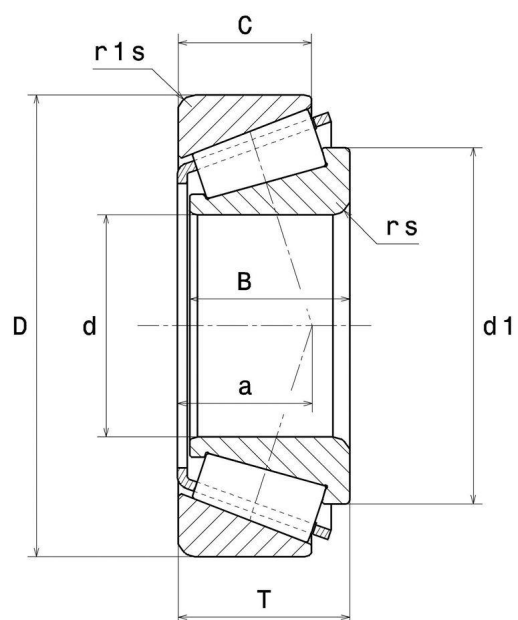
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

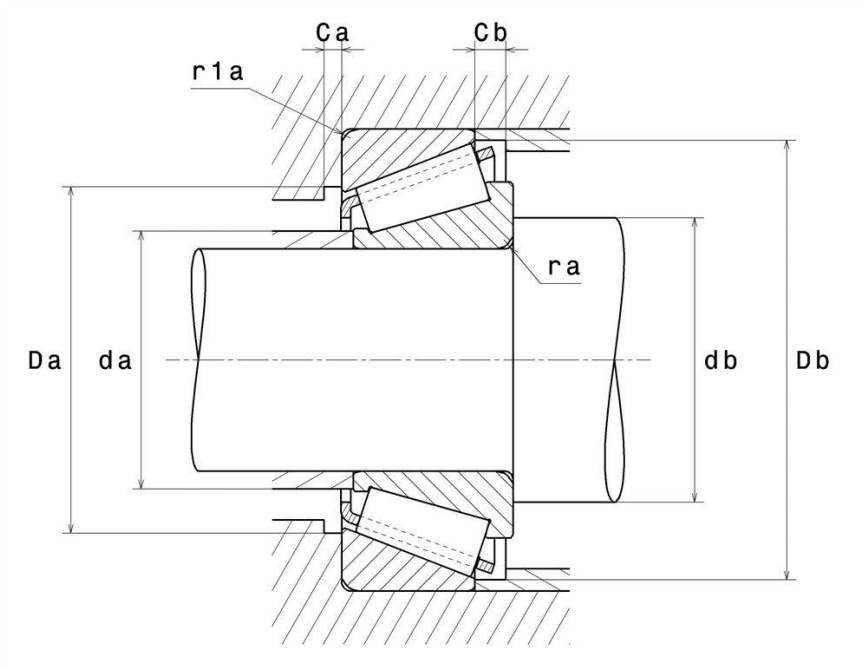
4T-M86610, 4T-M86647

VISUAL (S)



4T-M86647/M86610

Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	28,575 mm
D - External diameter	64,292 mm
B - Bearing/Inner ring width	21,433 mm
C - Outer ring width	16,67 mm
T - Total width	21,433 mm
d1 - External diameter inner ring	50 mm
a - Charge load application point	18,133 mm
Mass	0,348 kg

PRODUCT PERFORMANCE	
C - Dynamic load	57500000 mN
C0 - Static load	64500000 mN
Cu - Fatigue limit load	7900000 mN

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PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.55
Y0 - Static axial load coefficient	0.6
Y2 - Upper axial load coefficient	1.1
N lim - Oil lubrication limit speed	48600 °/s
N lim - Grease lubrication limit speed	36600 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da max - Max shoulder diameter IR	38 mm
db min - Min IR shoulder diameter	40 mm
Da max - Max shoulder diameter OR	54 mm
Db min - Min OR shoulder diameter	61 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm



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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

$P_0 = X_0.F_r + Y_0.F_a$

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

