



Technical data

4T-LM48548/LM48510

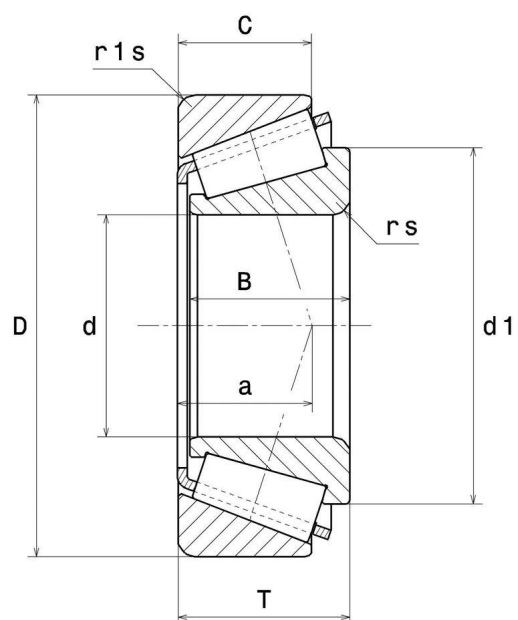
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

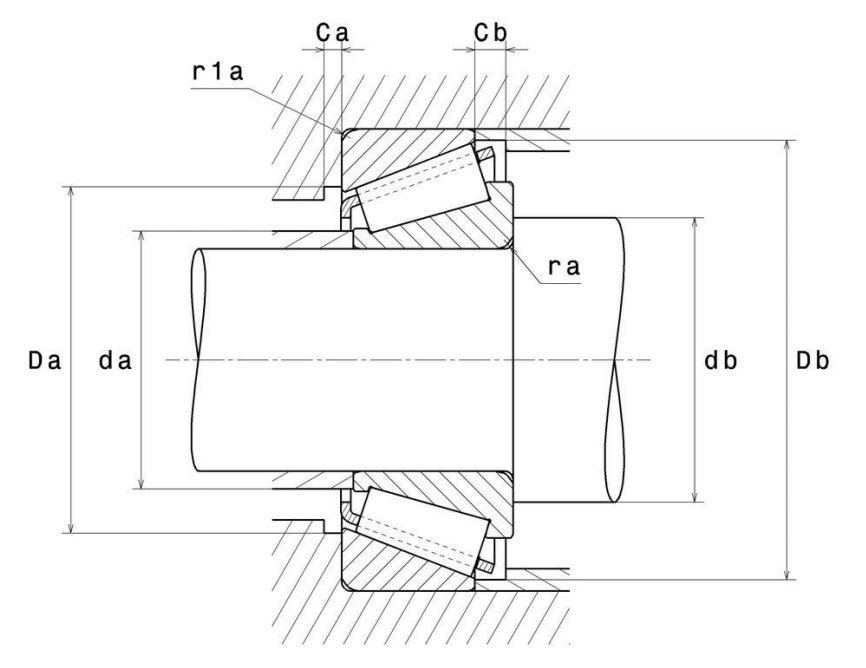
KIT CONTENT

4T-LM48510, 4T-LM48548

VISUAL (S)



4T-LM48548/LM48510
Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	34,925 mm
D - External diameter	65,088 mm
B - Bearing/Inner ring width	18,288 mm
C - Outer ring width	13,97 mm
T - Total width	18,034 mm
d1 - External diameter inner ring	49,5 mm
a - Charge load application point	14,334 mm
Mass	0,25 kg

PRODUCT PERFORMANCE

C - Dynamic load	51,5 kN
C0 - Static load	56 kN
Cu - Fatigue limit load	6,8 kN



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Single row tapered roller bearings

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.38
Y0 - Static axial load coefficient	0.88
Y2 - Upper axial load coefficient	1.59
Nlim - Oil lubrication limit speed	7600 tr/min
Nlim - Grease lubrication limit speed	5700 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	40 mm
db min - Min IR shoulder diameter	46 mm
Da max - Max shoulder diameter OR	58 mm
Db min - Min OR shoulder diameter	61 mm
ra max - Max fillet radius	3,94 mm
r1a - Max fillet radius	1,3 mm



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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

