



Technical data

4T-L45449/L45410

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

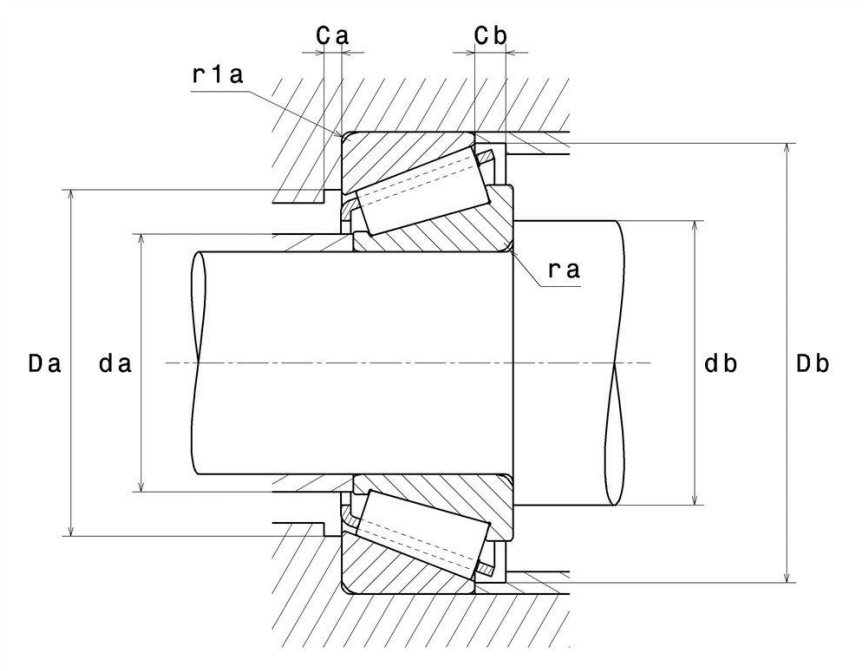
KIT CONTENT

4T-L45449, 4T-L45410

VISUAL (S)



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PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	29 mm
D - External diameter	50,292 mm
B - Bearing/Inner ring width	14,732 mm
C - Outer ring width	10,668 mm
T - Total width	14,224 mm
d1 - External diameter inner ring	41,3 mm
a - Charge load application point	10,724 mm
Mass	0,113 kg

PRODUCT PERFORMANCE	
C - Dynamic load	31 kN
C0 - Static load	35,5 kN
Cu - Fatigue limit load	4,35 kN

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PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.37
Y0 - Static axial load coefficient	0.89
Y2 - Upper axial load coefficient	1.62
N lim - Oil lubrication limit speed	9600 tr/min
N lim - Grease lubrication limit speed	7200 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	33 mm
db min - Min IR shoulder diameter	39,5 mm
Da max - Max shoulder diameter OR	44,5 mm
Db min - Min OR shoulder diameter	48 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	1,3 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

