

Technical data

4T-3490/3420

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

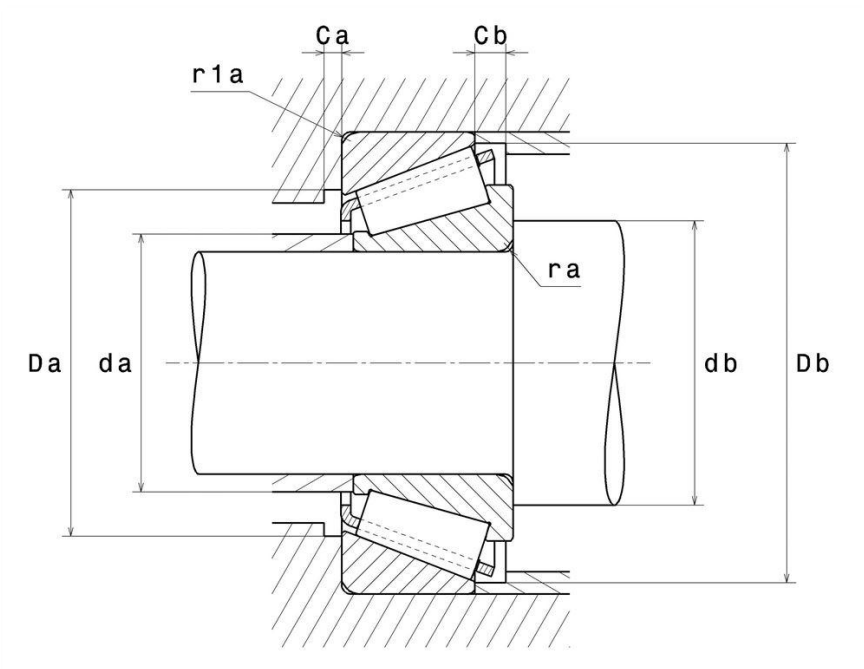
KIT CONTENT

4T-3490, 4T-3420

VISUAL (S)



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Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	38,1 mm
D - External diameter	79,375 mm
B - Bearing/Inner ring width	29,771 mm
C - Outer ring width	23,812 mm
T - Total width	29,37 mm
d1 - External diameter inner ring	57,5 mm
a - Charge load application point	20,67 mm
Mass	0,688 kg

PRODUCT PERFORMANCE	
C - Dynamic load	103 kN
C0 - Static load	114 kN
Cu - Fatigue limit load	13,9 kN

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PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.37
Y0 - Static axial load coefficient	0.9
Y2 - Upper axial load coefficient	1.64
N lim - Oil lubrication limit speed	6600 tr/min
N lim - Grease lubrication limit speed	4900 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	45,5 mm
db min - Min IR shoulder diameter	52 mm
Da max - Max shoulder diameter OR	67 mm
Db min - Min OR shoulder diameter	74 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm



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S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

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

