Technical data

4T-18690/18620

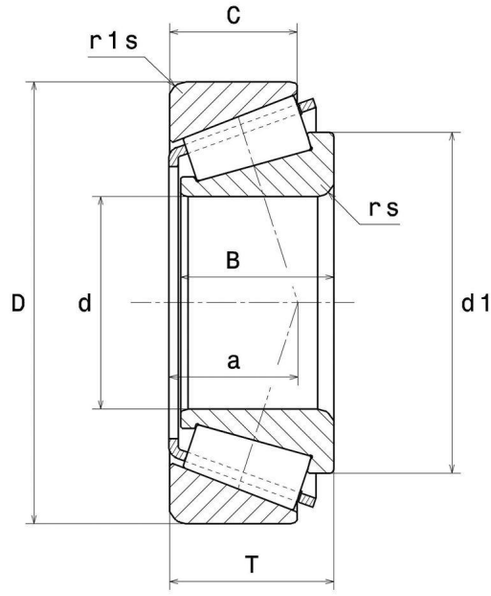
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-18690, 4T-18620

VISUAL (S)



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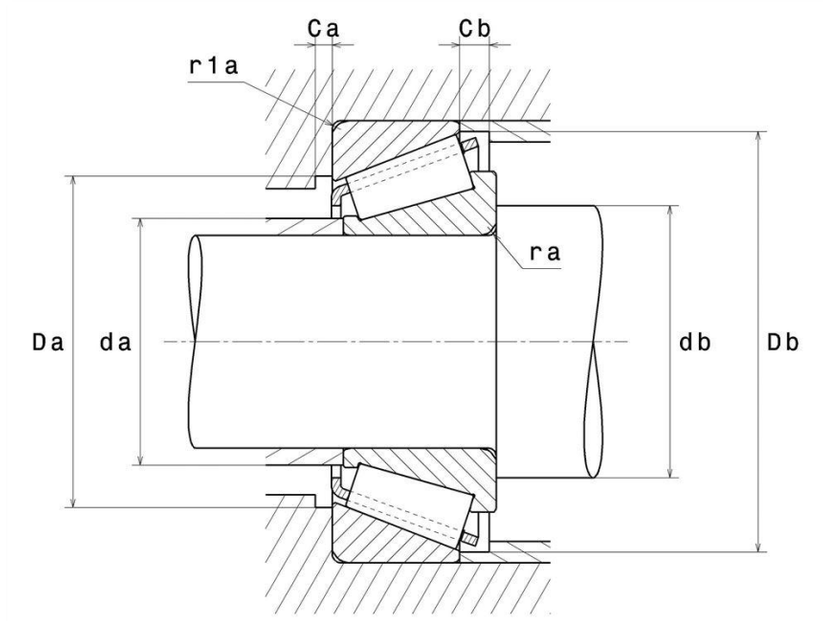
S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

4T-18690/18620
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	46,038 mm
D - External diameter	79,375 mm
B - Bearing/Inner ring width	17,462 mm
C - Outer ring width	13,495 mm
T - Total width	17,462 mm
d1 - External diameter inner ring	61 mm
a - Charge load application point	15,262 mm
Mass	0,331 kg

PRODUCT PERFORMANCE	
C - Dynamic load	50,5 kN
C0 - Static load	56 kN
Cu - Fatigue limit load	6,8 kN

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PRODUCT PERFORMANCE	
A2 - Rating life coefficient	1
e - Coefficient	0.37
Y0 - Static axial load coefficient	0.88
Y2 - Upper axial load coefficient	1.6
N lim - Oil lubrication limit speed	6200 tr/min
N lim - Grease lubrication limit speed	4600 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT	
da max - Max shoulder diameter IR	51 mm
db min - Min IR shoulder diameter	56 mm
Da max - Max shoulder diameter OR	71 mm
Db min - Min OR shoulder diameter	74 mm
ra max - Max fillet radius	2,8 mm
r1a - Max fillet radius	1,5 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

P = X.Fr + Y.Fa

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

Po= Xo.Fr + Yo.Fa

X_0	Y_0
0.5	Y0

If Po <Fr, then use Po = Fr

The values for e, Y2 and Y0 are shown in the above table