Technical data

4T-2789/2729

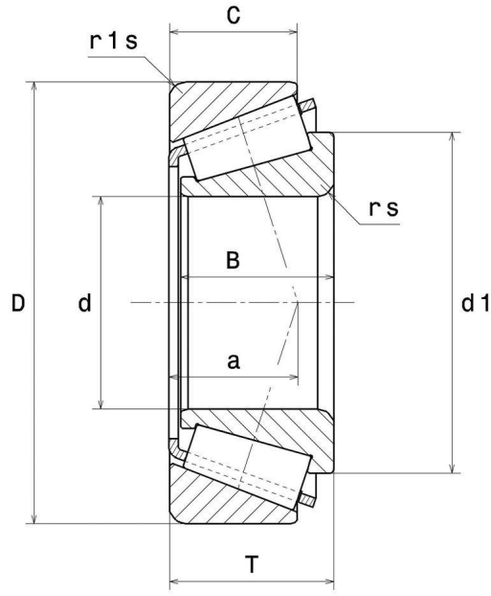
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-2789, 4T-2729, 4T-2789/2729

VISUAL (S)



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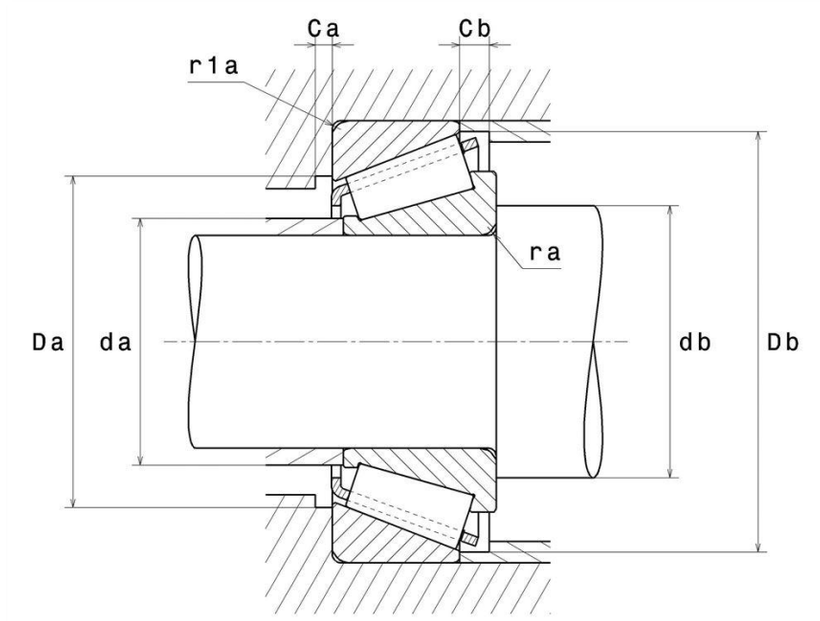
S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

4T-2789/2729
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	39,688 mm
D - External diameter	76,2 mm
B - Bearing/Inner ring width	25,654 mm
C - Outer ring width	19,05 mm
T - Total width	23,812 mm
d1 - External diameter inner ring	55 mm
a - Charge load application point	16 mm
rs - Min fillet radius	3,5 mm
r1s - Min fillet radius	0,8 mm
Mass	0,48 kg

PRODUCT PERFORMANCE	
C - Dynamic load	81 kN

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PRODUCT PERFORMANCE	
C0 - Static load	90,5 kN
A2 - Rating life coefficient	1
e - Coefficient	0.3
Y0 - Static axial load coefficient	1.09
Y2 - Upper axial load coefficient	1.98
N lim - Oil lubrication limit speed	6800 tr/min
N lim - Grease lubrication limit speed	5100 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT	
da max - Max shoulder diameter IR	45 mm
db min - Min IR shoulder diameter	52 mm
Da max - Max shoulder diameter OR	70 mm
Db min - Min OR shoulder diameter	68 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	0,8 mm

KIT COMPONENT	
Cone designation	4T-2789
Cup designation	4T-2729

ESHOPDONOTDISPLAY	
Tracepart	Oui/Yes
Reference	4T-2789/2729
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg

ESHOPDONOTDISPLAY	
ULTAGE	Non/No
Rolling element material	Acier de cémentation

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa / Fr \leq e$		$Fa / Fr > e$	
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