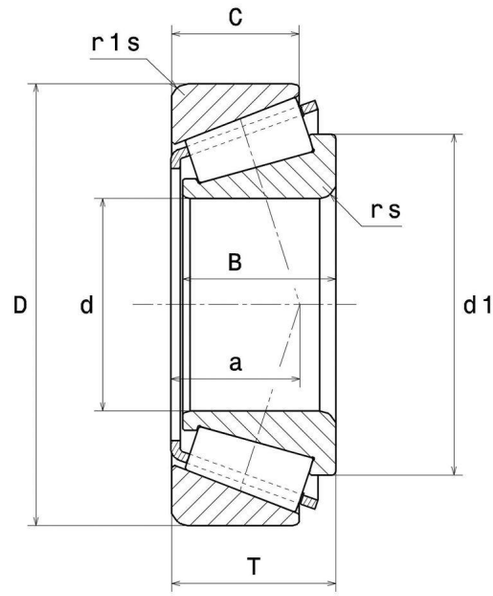
Technical data

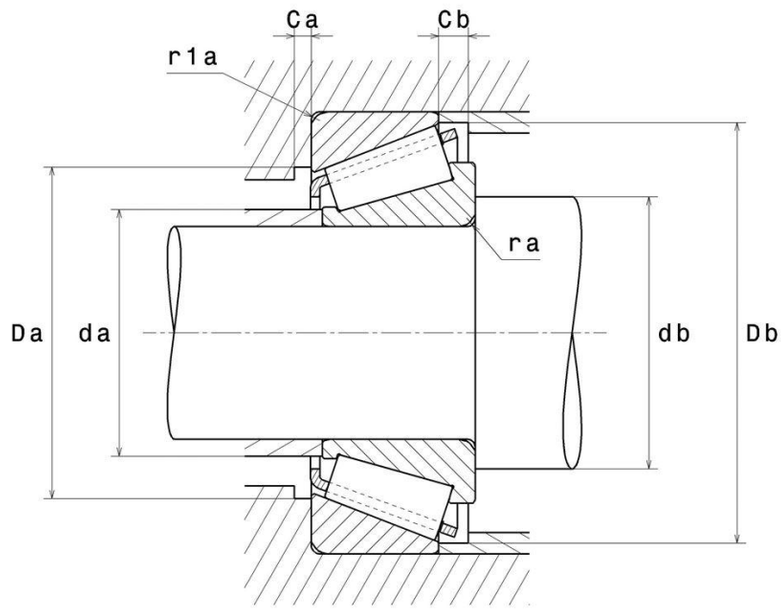
4T-30204

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

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-30204
Single row tapered roller bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	20 mm
D - External diameter	47 mm
B - Bearing/Inner ring width	14 mm
C - Outer ring width	12 mm
T - Total width	15,25 mm
d1 - External diameter inner ring	33,5 mm
a - Charge load application point	11,5 mm
rs - Min fillet radius	1 mm
r1s - Min fillet radius	1 mm
Mass	0,124 kg
ISO 355 reference	T2DB020

PRODUCT PERFORMANCE	
C - Dynamic load	31 kN
C0 - Static load	28,7 kN
Cu - Fatigue limit load	3,5 kN
A2 - Rating life coefficient	1
e - Coefficient	0.35
Y0 - Static axial load coefficient	0.96
Y2 - Upper axial load coefficient	1.74
N lim - Oil lubrication limit speed	12000 tr/min
N lim - Grease lubrication limit speed	8800 tr/min
Tmin - Min operating temperature	-40 °C

PRODUCT PERFORMANCE	
Tmax - Max operating temperature	120 °C

ABUTMENT	
da max - Max shoulder diameter IR	27 mm
db min - Min IR shoulder diameter	25,5 mm
Da min - Min shoulder diameter OR	40 mm
Da max - Max shoulder diameter OR	41,5 mm
Db min - Min OR shoulder diameter	44 mm
Ca - Min clearance	2 mm
Cb - Min clearance	3 mm
ra max - Max fillet radius	1 mm
r1a - Max fillet radius	1 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