Technical data

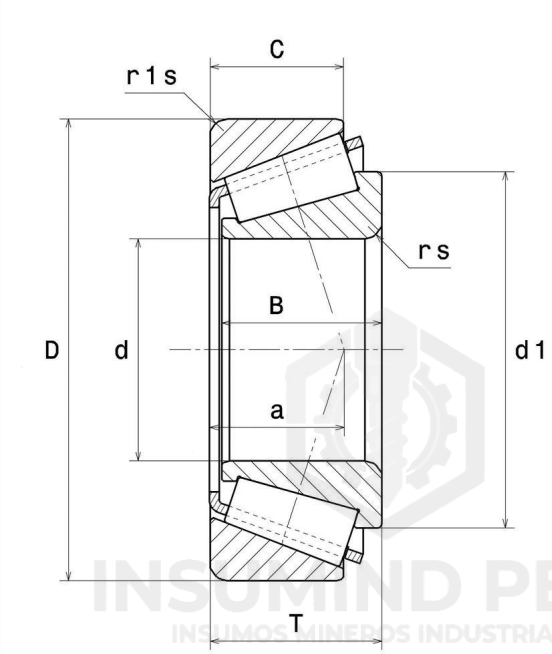
4T-33111

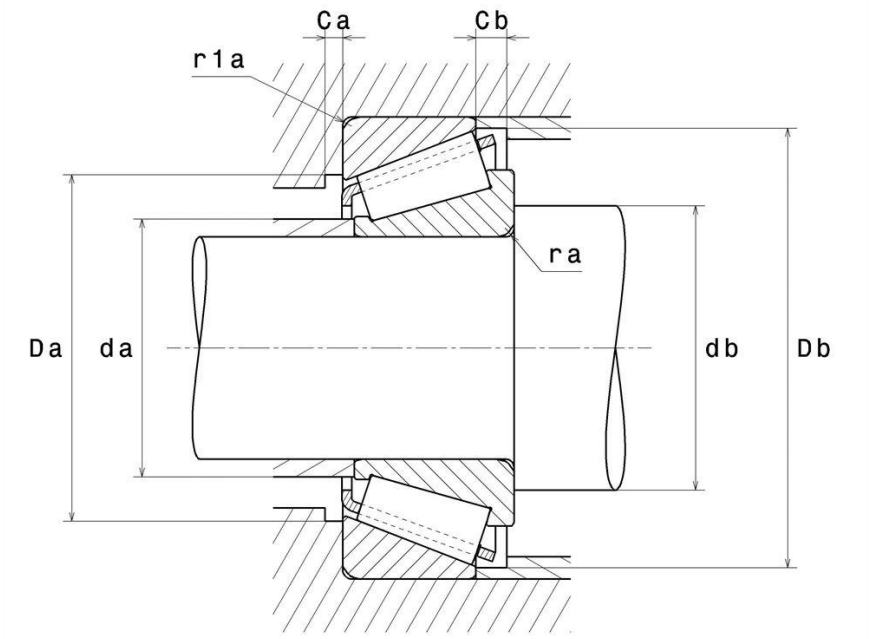
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)





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4T-33111
Single row tapered roller bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	55 mm
D - External diameter	95 mm
B - Bearing/Inner ring width	30 mm
C - Outer ring width	23 mm
T - Total width	30 mm
d1 - External diameter inner ring	75,5 mm
a - Charge load application point	22 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Mass	0,858 kg
ISO 355 reference	T3CE055

PRODUCT PERFORMANCE	
C - Dynamic load	123 kN
C0 - Static load	155 kN
Cu - Fatigue limit load	18,9 kN
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	5200 tr/min
N lim - Grease lubrication limit speed	3900 tr/min
Tmin - Min operating temperature	-40 °C

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PRODUCT PERFORMANCE	
Tmax - Max operating temperature	120 °C

ABUTMENT	
da max - Max shoulder diameter IR	62 mm
db min - Min IR shoulder diameter	63,5 mm
Da min - Min shoulder diameter OR	83 mm
Da max - Max shoulder diameter OR	86,5 mm
Db min - Min OR shoulder diameter	91 mm
Ca - Min clearance	5 mm
Cb - Min clearance	7 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

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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

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