Technical data

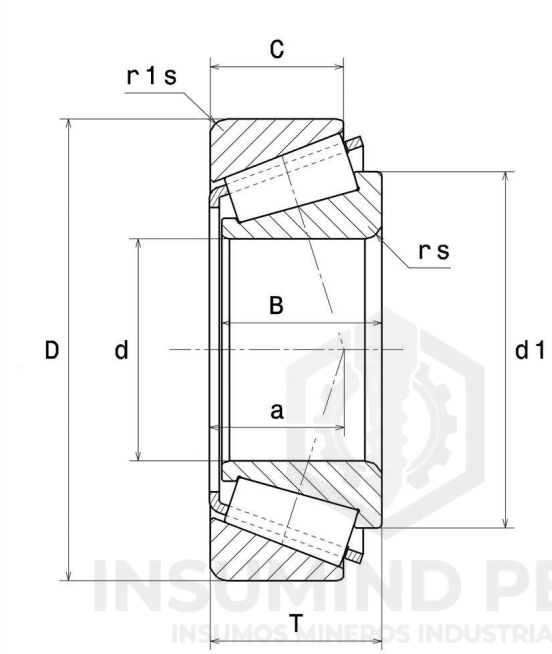
32212U

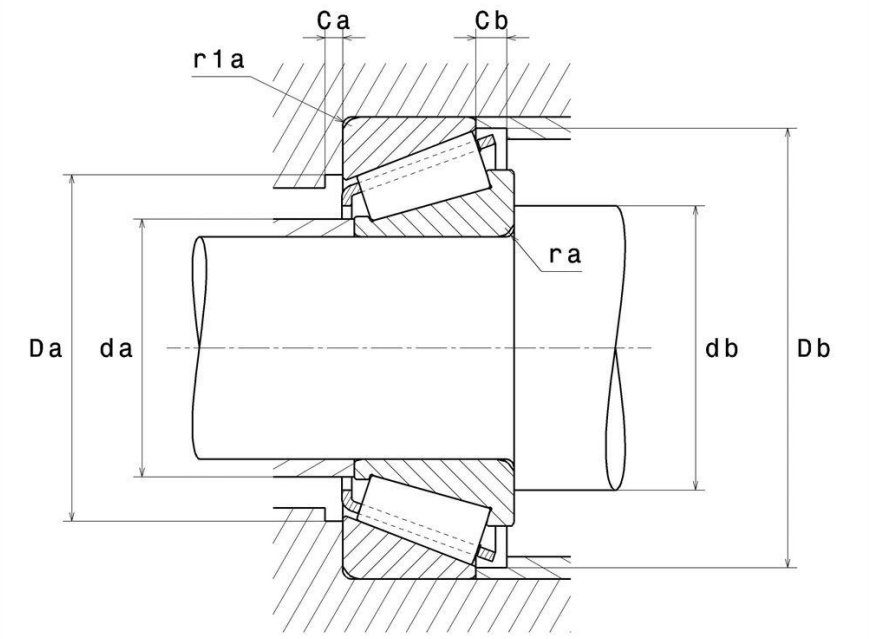
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)





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32212U
Single row tapered roller bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	60 mm
D - External diameter	110 mm
B - Bearing/Inner ring width	28 mm
C - Outer ring width	24 mm
T - Total width	29,75 mm
d1 - External diameter inner ring	83 mm
a - Charge load application point	25 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	1,5 mm
Mass	1,18 kg
ISO 355 reference	T3EC060

PRODUCT PERFORMANCE	
C - Dynamic load	144 kN
C0 - Static load	164 kN
Cu - Fatigue limit load	20,1 kN
A2 - Rating life coefficient	1
e - Coefficient	0.4
Y0 - Static axial load coefficient	0.81
Y2 - Upper axial load coefficient	1.48
N lim - Oil lubrication limit speed	4500 tr/min
N lim - Grease lubrication limit speed	3400 tr/min
Tmin - Min operating temperature	-40 °C

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32212U
Single row tapered roller bearings

PRODUCT PERFORMANCE	
Tmax - Max operating temperature	120 °C

ABUTMENT	
da max - Max shoulder diameter IR	69 mm
db min - Min IR shoulder diameter	70 mm
Da min - Min shoulder diameter OR	95 mm
Da max - Max shoulder diameter OR	101,5 mm
Db min - Min OR shoulder diameter	104 mm
Ca - Min clearance	4 mm
Cb - Min clearance	5,5 mm
ra max - Max fillet radius	2 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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