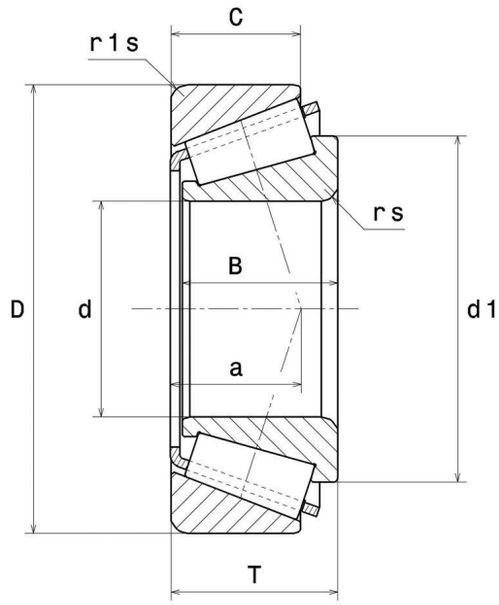
Technical data

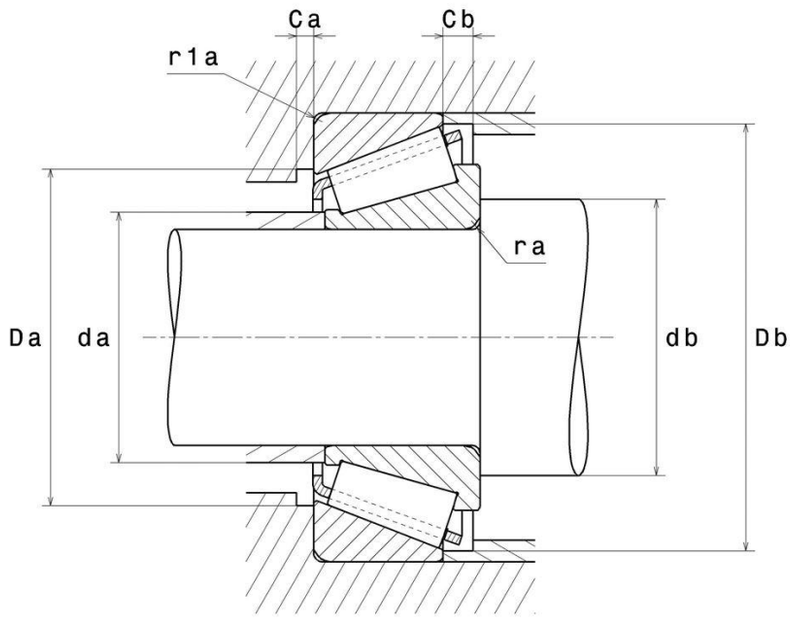
4T-30212

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)





4T-30212
Single row tapered roller bearings

PRODUCT DIMENSIONS	
Internal diameter (d)	60 mm
External diameter (D)	110 mm
Bearing/Inner ring width (B)	22 mm
Outer ring width (C)	19 mm
Total width (T)	23,75 mm
External diameter inner ring d1	82 mm
Charge load application point a	22 mm
Min fillet radius (rs)	2 mm
Min fillet radius r1s	1,5 mm
Coef (e)	0.4
Upper axial load coef (Y2)	1.48
Static axial load coef (Y0)	0.81
Mass	0,929 kg
ISO 355 reference	T3EB060
Brand	NTN

PRODUCT PERFORMANCE	
Dynamic load (C)	116 kN
Rating life coefficient, A2	1.0
Static load (C0)	125 kN
Fatigue limit load (Cu)	15,2 kN
Nlim (oil)	4500 tr/min
Nlim (grease)	3400 tr/min
Min operating temperature (Tmin)	-40 °C

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PRODUCT PERFORMANCE	
Max operating temperature (Tmax)	120 °C
Characteristic cage frequency, FTF	0.426 Hz
Characteristic rolling element frequency, BSF	6.356 Hz
Characteristic outer ring frequency, BPF0	8.089 Hz
Characteristic inner ring frequency, BPFI	10.911 Hz

ABUTMENT	
Max shoulder diameter IR (da max)	70 mm
Min IR shoulder diameter (db min)	70 mm
Min shoulder diameter OR Da min	96 mm
Max shoulder diameter OR (Da max)	101,5 mm
Min OR shoulder diameter Db min	103 mm
Min clearance Ca	4 mm
Min clearance Cb	4,5 mm
Max fillet radius ra max	2 mm
Maxi fillet radius r1a	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