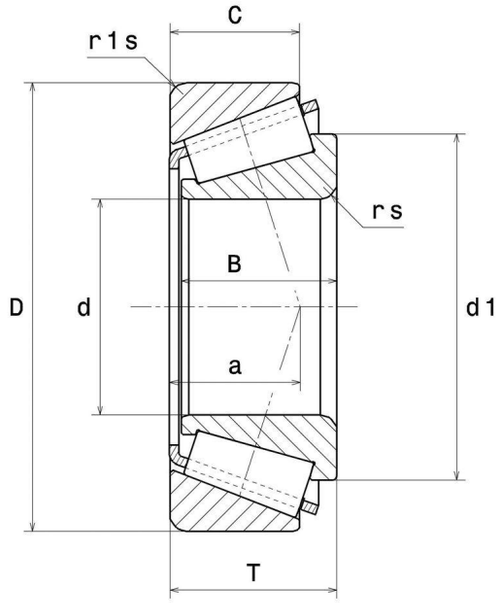
Technical data

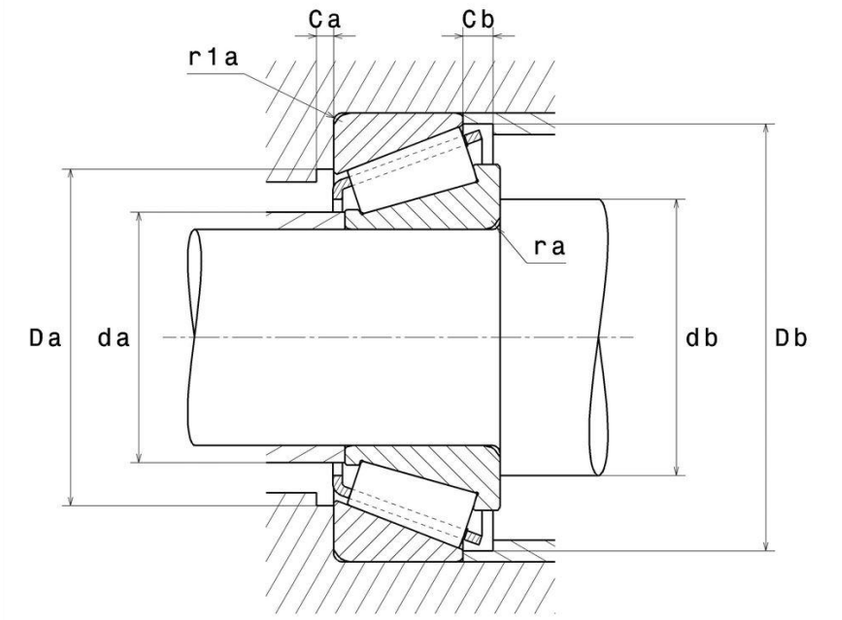
4T-32048X

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)





4T-32048X
Single row tapered roller bearings

PRODUCT DIMENSIONS	
Internal diameter (d)	240 mm
External diameter (D)	360 mm
Bearing/Inner ring width (B)	76 mm
Outer ring width (C)	57 mm
Total width (T)	76 mm
External diameter inner ring d1	301,5 mm
Charge load application point a	78 mm
Min fillet radius (rs)	4 mm
Min fillet radius r1s	3 mm
Coef (e)	0.46
Upper axial load coef (Y2)	1.31
Static axial load coef (Y0)	0.72
Mass	26,8 kg
ISO 355 reference	T4FD240
Brand	NTN

PRODUCT PERFORMANCE	
Dynamic load (C)	930 kN
Rating life coefficient, A2	1.0
Static load (C0)	1760 kN
Fatigue limit load (Cu)	154,5 kN
Nlim (oil)	1200 tr/min
Nlim (grease)	870 tr/min
Min operating temperature (Tmin)	-40 °C

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PRODUCT PERFORMANCE	
Max operating temperature (Tmax)	120 °C
Characteristic cage frequency, FTF	0.453 Hz
Characteristic rolling element frequency, BSF	10.139 Hz
Characteristic outer ring frequency, BPF0	13.144 Hz
Characteristic inner ring frequency, BPFI	15.856 Hz

ABUTMENT	
Max shoulder diameter IR (da max)	261 mm
Min IR shoulder diameter (db min)	258 mm
Min shoulder diameter OR Da min	318 mm
Max shoulder diameter OR (Da max)	346 mm
Min OR shoulder diameter Db min	346 mm
Min clearance Ca	12 mm
Min clearance Cb	19 mm
Max fillet radius ra max	3 mm
Maxi fillet radius r1a	2,5 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