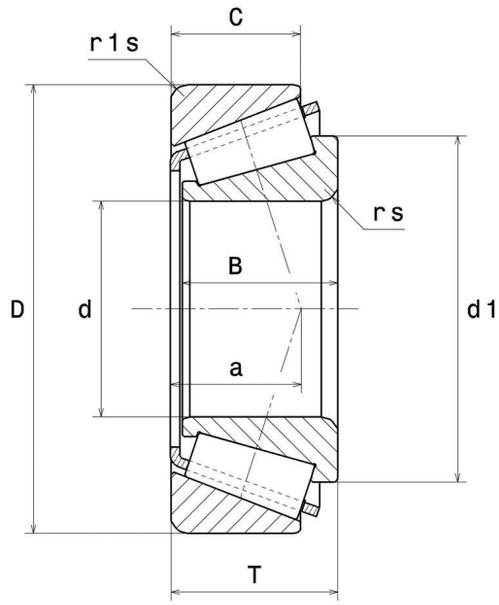
Technical data

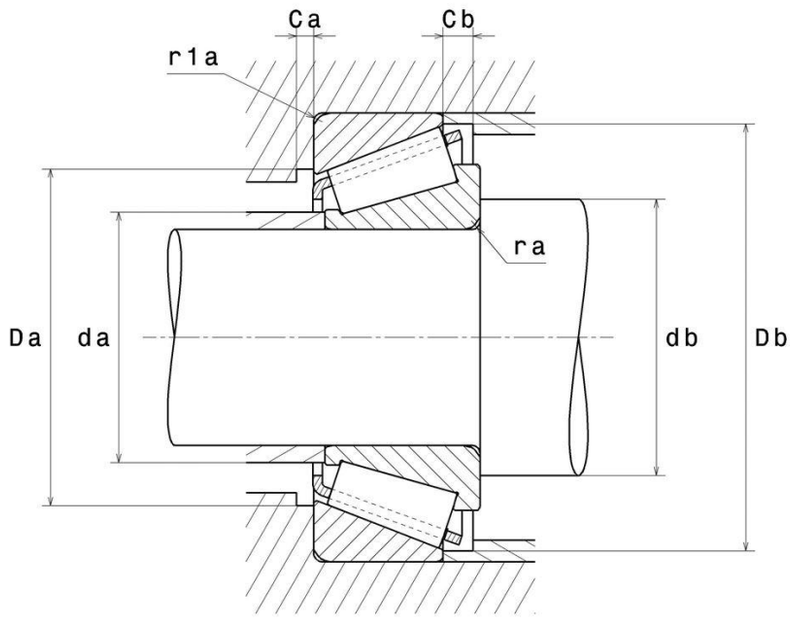
4T-32006X

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)





4T-32006X
Single row tapered roller bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	30 mm
D - External diameter	55 mm
B - Bearing/Inner ring width	17 mm
C - Outer ring width	13 mm
T - Total width	17 mm
d1 - External diameter inner ring	43,4 mm
a - Charge load application point	13,5 mm
rs - Min fillet radius	1 mm
r1s - Min fillet radius	1 mm
Mass	0,172 kg
ISO 355 reference	T4CC030

PRODUCT PERFORMANCE	
C - Dynamic load	41,5 kN
C0 - Static load	46 kN
Cu - Fatigue limit load	5,6 kN
A2 - Rating life coefficient	1
e - Coefficient	0.43
Y0 - Static axial load coefficient	0.77
Y2 - Upper axial load coefficient	1.39
Nlim - Oil lubrication limit speed	9200 tr/min
Nlim - Grease lubrication limit speed	6900 tr/min
Tmin - Min operating temperature	-40 °C

4T-32006X
Single row tapered roller bearings

PRODUCT PERFORMANCE	
Tmax - Max operating temperature	120 °C

BEARING FREQUENCIES	
BPFO - Characteristic outer ring frequency (60 rpm)	8.682 Hz
BPFI - Characteristic inner ring frequency (60 rpm)	11.319 Hz
FTF - Characteristic cage frequency (60 rpm)	0.434 Hz
BSF - Characteristic rolling element frequency (60 rpm)	7.164 Hz

ABUTMENT	
da max - Max shoulder diameter IR	35 mm
db min - Min IR shoulder diameter	35,5 mm
Da min - Min shoulder diameter OR	48 mm
Da max - Max shoulder diameter OR	49,5 mm
Db min - Min OR shoulder diameter	52 mm
Ca - Min clearance	3 mm
Cb - Min clearance	4 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