Technical data

4T-03062/03162

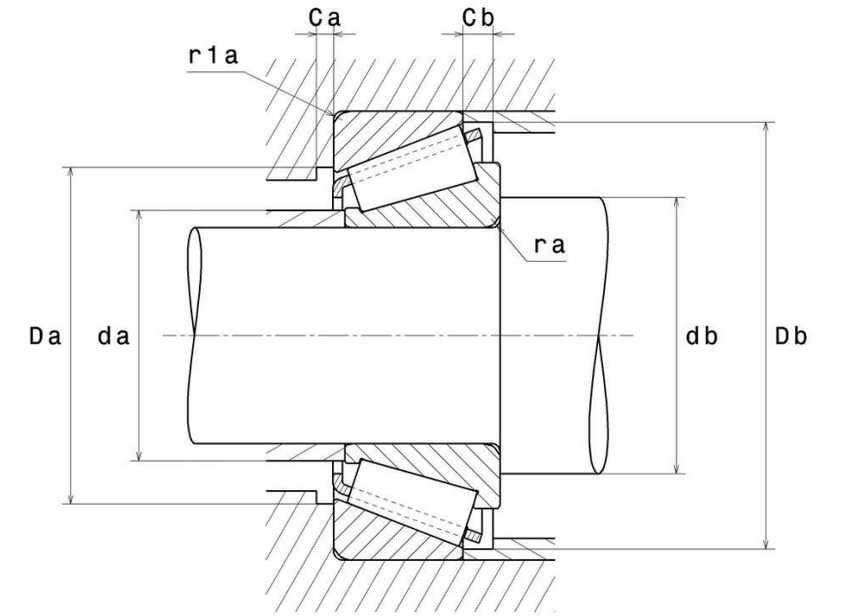
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-03062, 4T-03162

VISUAL (S)



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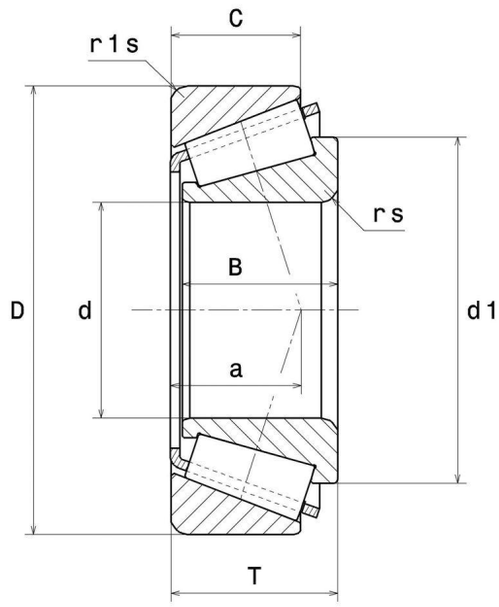

PRODUCT DEFINITION	
d - Internal diameter	15.875 mm
D - External diameter	41.275 mm
B - Bearing/Inner ring width	14.681 mm
C - Outer ring width	11.112 mm
T - Total width	14.288 mm
d1 - External diameter inner ring	27.8 mm
a - Charge load application point	8.888 mm
Mass	0.093 kg
Brand	NTN

PRODUCT PERFORMANCE	
C - Dynamic load	22.6 kN
C0 - Static load	18.7 kN
Cu - Fatigue limit load	2.28 kN

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PRODUCT PERFORMANCE	
A2 - Rating life coefficient	1
e - Coefficient	0.31
Y0 - Static axial load coefficient	1.06
Y2 - Upper axial load coefficient	1.93
Nlim - Oil lubrication limit speed	13000 tr/min
Nlim - Grease lubrication limit speed	10000 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C
FTF - Characteristic cage frequency	0.399 Hz
BSF - Characteristic rolling element frequency	4.631 Hz
BPFO - Characteristic outer ring frequency	4.783 Hz
BPFI - Characteristic inner ring frequency	7.217 Hz

ABUTMENT	
da max - Max shoulder diameter IR	20 mm
db min - Min IR shoulder diameter	21.5 mm
Da max - Max shoulder diameter OR	34 mm
Db min - Min OR shoulder diameter	37.5 mm
ra max - Max fillet radius	1.3 mm
r1a - Max fillet radius	2 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