



Brand of NTN corporation

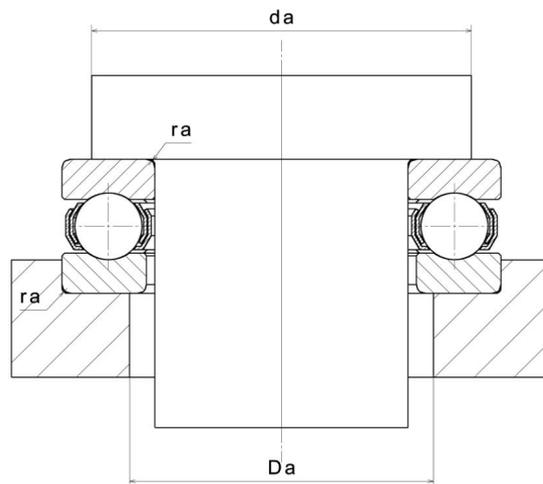
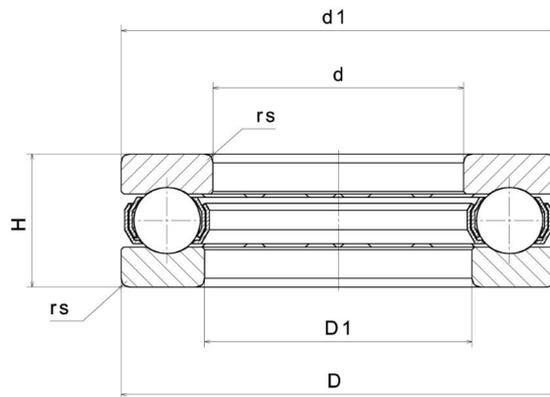
## Technical data

### 51102

One direction thrust ball bearings



### VISUAL (S)



**NTN Europe**

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00  
S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072  
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

## PRODUCT DEFINITION

<b>Brand</b>	SNR
<b>d - Internal diameter</b>	15 mm
<b>D - External diameter</b>	28 mm
<b>D1 - Inner diameter outer ring</b>	16 mm
<b>d1 - External diameter inner ring</b>	28 mm
<b>T - Thrust bearing height</b>	9 mm
<b>rs - Min fillet radius</b>	0,3 mm
<b>Mass</b>	0,025 kg

## PRODUCT PERFORMANCE

<b>Ca - Dynamic axial load rating</b>	10500000 mN
<b>C0a - Static axial load rating</b>	16800000 mN
<b>Tmin - Min operating temperature</b>	233,15 °K
<b>Tmax - Max operating temperature</b>	393,15 °K

## BEARING FREQUENCIES

<b>BPFO - Over rolling frequency on outer ring (60 rpm)</b>	6 Hz
<b>BPFI - Over rolling frequency on inner (60 rpm)</b>	6 Hz
<b>BSF - Over rolling frequency on rolling element (60 rpm)</b>	4.513 Hz
<b>BRF - Rotational frequency - rolling element (60 rpm)</b>	2.257 Hz
<b>FTF - Rotational frequency - cage (60 rpm)</b>	0.5 Hz

## ABUTMENT

<b>ra max - Max shaft &amp; housing fillet radius</b>	0,3 mm
<b>Da max - Max shoulder diameter OR</b>	20 mm
<b>da min - Min shoulder diameter IR</b>	23 mm



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