

Technical data

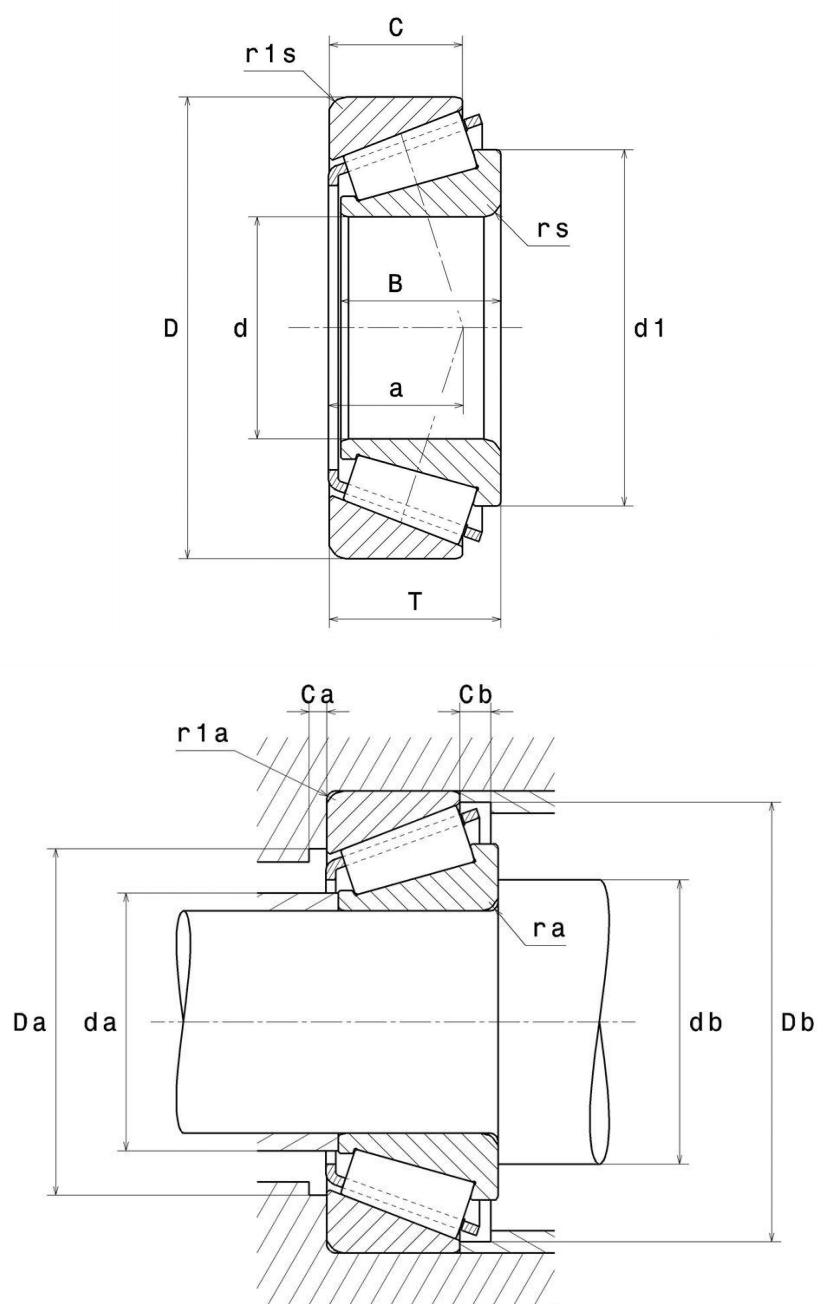
33108A

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	40 mm
D - External diameter	75 mm
B - Bearing/Inner ring width	26 mm
C - Outer ring width	20,5 mm
T - Total width	26 mm
d1 - External diameter inner ring	57,6 mm
a - Charge load application point	18,2 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Mass	0,496 kg
ISO 355 reference	T2CE040

PRODUCT PERFORMANCE

C - Dynamic load	88,5 kN
A2 - Rating life coefficient	1
C0 - Static load	110 kN
Cu - Fatigue limit load	13,5 kN
e - Coefficient	0.36
Y0 - Static axial load coefficient	0.93
Y2 - Upper axial load coefficient	1.69
N ref - Reference thermal speed	5400 tr/min
N lim - Mechanical Limit Speed	9600 tr/min
Tmin - Min operating temperature	-40 °C



PRODUCT PERFORMANCE

Tmax - Max operating temperature	120 °C
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BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	8.096 Hz
BPFI - Over rolling frequency on inner (60 rpm)	10.904 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	6.44 Hz
BRF - Fréquence de rotation : Élément roulant	3.22 Hz
FTF - Rotational frequency - cage (60 rpm)	0.426 Hz

ABUTMENT

da max - Max shoulder diameter IR	47 mm
db min - Min IR shoulder diameter	48,5 mm
Da min - Min shoulder diameter OR	65 mm
Da max - Max shoulder diameter OR	66,5 mm
Db min - Min OR shoulder diameter	71 mm
Ca - Min clearance	4 mm
Cb - Min clearance	5,5 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

ESHOPDONOTDISPLAY

Reference	33108A
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
KIZEI	Non/No
TOPLINE	Non/No
ULTAGE	Non/No



ESHOPDONOTDISPLAY

Tracepart	Non/No
- Contact angle	13.333 °

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa / Fr \leq e$		$Fa / Fr > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

Xo	Yo
0.5	Y0

If $Po \leq Fr$, then use $Po = Fr$

The values for e, Y2 and Y0 are shown in the above table