

Technical data

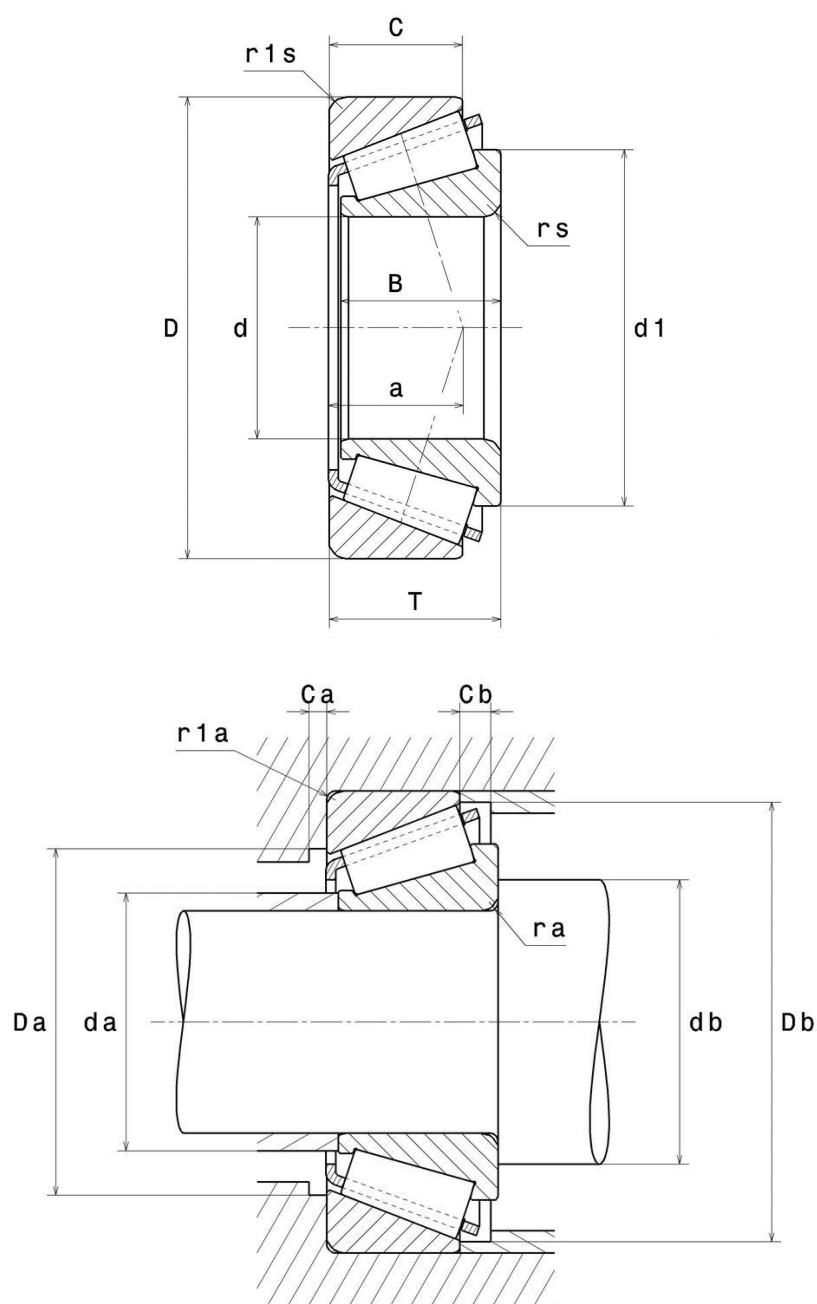
32308A

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	90 mm
B - Bearing/Inner ring width	33 mm
C - Outer ring width	27 mm
T - Total width	35,25 mm
d1 - External diameter inner ring	63,2 mm
a - Charge load application point	23,4 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	1,5 mm
Mass	1,04 kg
ISO 355 reference	T2FD040

PRODUCT PERFORMANCE	
C - Dynamic load	127 kN
A2 - Rating life coefficient	1
C0 - Static load	148 kN
Cu - Fatigue limit load	18 kN
e - Coefficient	0.35
Y0 - Static axial load coefficient	0.96
Y2 - Upper axial load coefficient	1.74
N ref - Reference thermal speed	5600 tr/min
N lim - Mechanical Limit Speed	8300 tr/min
Tmin - Min operating temperature	-40 °C



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PRODUCT PERFORMANCE

Tmax - Max operating temperature	120 °C
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BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	6.566 Hz
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BPFI - Over rolling frequency on inner (60 rpm)	9.434 Hz
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BSF - Over rolling frequency on rolling element (60 rpm)	5.261 Hz
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BRF - Fréquence de rotation : Élément roulant	2.631 Hz
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FTF - Rotational frequency - cage (60 rpm)	0.41 Hz
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ABUTMENT

da max - Max shoulder diameter IR	50 mm
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db min - Min IR shoulder diameter	50 mm
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Da min - Min shoulder diameter OR	73 mm
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Da max - Max shoulder diameter OR	81,5 mm
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Db min - Min OR shoulder diameter	82 mm
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Ca - Min clearance	3 mm
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Cb - Min clearance	8 mm
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ra max - Max fillet radius	2 mm
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r1a - Max fillet radius	1,5 mm
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ESHOPDONOTDISPLAY

Reference	32308A
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Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
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KIZEI	Non/No
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TOPLINE	Non/No
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ULTAGE	Non/No
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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

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
- Contact angle	12.953 °

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

X_0	Y_0
0.5	Y0

If $P_0 \leq F_r$, then use $P_0 = F_r$

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