

Technical data

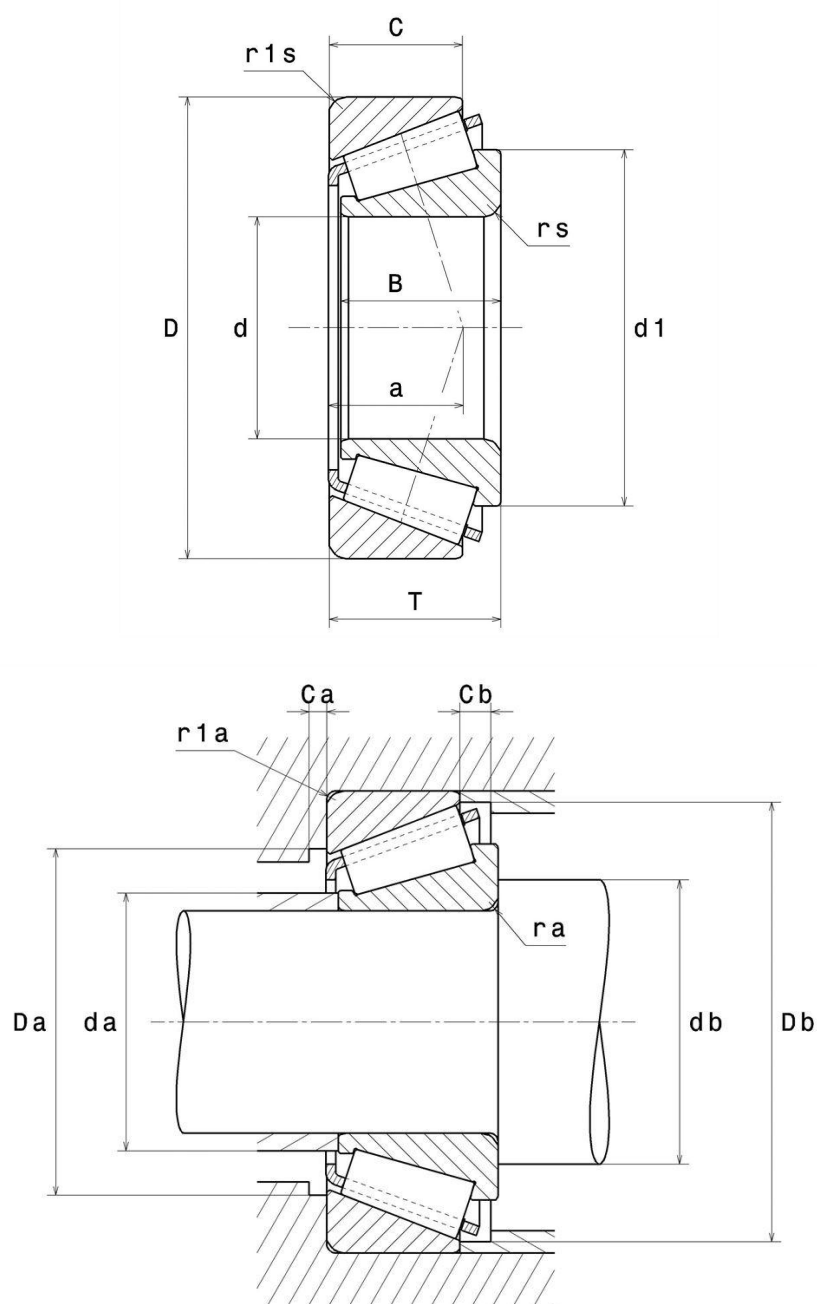
30206A

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter	30 mm
D - External diameter	62 mm
B - Bearing/Inner ring width	16 mm
C - Outer ring width	14 mm
T - Total width	17,25 mm
d1 - External diameter inner ring	45,1 mm
a - Charge load application point	13,9 mm
rs - Min fillet radius	1 mm
r1s - Min fillet radius	1 mm
Mass	0,232 kg
ISO 355 reference	T3DB030

PRODUCT PERFORMANCE	
C - Dynamic load	47,4 kN
A2 - Rating life coefficient	1
C0 - Static load	50,5 kN
Cu - Fatigue limit load	6,2 kN
e - Coefficient	0.37
Y0 - Static axial load coefficient	0.88
Y2 - Upper axial load coefficient	1.6
N ref - Reference thermal speed	7300 tr/min
N lim - Mechanical Limit Speed	12000 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)	7.121 Hz
BPFI - Over rolling frequency on inner (60 rpm)	9.879 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.823 Hz
BRF - Fréquence de rotation : Élément roulant	2.912 Hz
FTF - Rotational frequency - cage (60 rpm)	0.419 Hz

ABUTMENT

da max - Max shoulder diameter IR	37 mm
db min - Min IR shoulder diameter	35,5 mm
Da min - Min shoulder diameter OR	53 mm
Da max - Max shoulder diameter OR	56,5 mm
Db min - Min OR shoulder diameter	57 mm
Ca - Min clearance	2 mm
Cb - Min clearance	3 mm
ra max - Max fillet radius	1 mm
r1a - Max fillet radius	1 mm

ESHOPDONOTDISPLAY

Reference	30206A
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
KIZEI	Non/No
TOPLINE	Non/No
ULTAGE	Non/No



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ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
- Contact angle	14.036 °

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

$P_o = X_o.F_r + Y_o.F_a$

X_o	Y_o
0.5	Y0

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

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