Technical data

33108.A

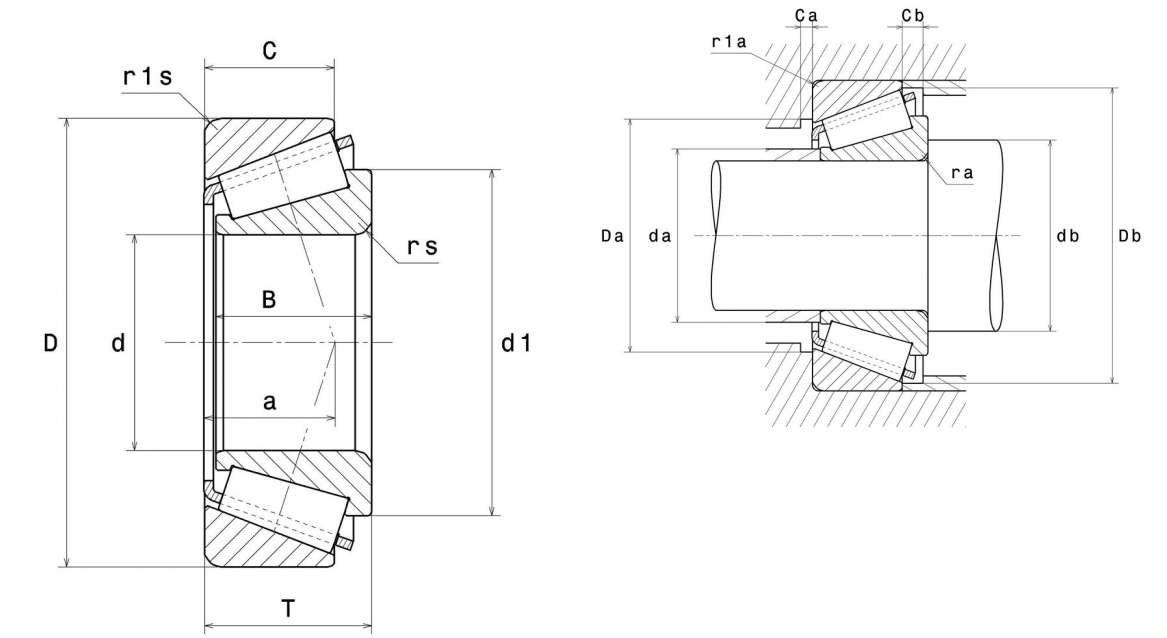
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

ULTAGE



Visual(s)



Product definition

d	40 mm
D	75 mm
B	26 mm
C	20.5 mm
T	26 mm
d1	58.9 mm
a	18.2 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.36
Y2	1.69
Y0	0.93
Mass	0.48 kg
ISO 355 reference	T2CE040
Brand	SNR

Product performance

Dynamic load, C	18.3 kN
Rating life coefficient, A2	1
Static load, C0	111 kN
Fatigue limit load, Cu	13.5 kN
Nref	5,400 Tr/min
Nlim	9,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.42 Hz
Characteristic outer ring frequency, BPF0	8.09 Hz
Characteristic inner ring frequency, BPFI	10.91 Hz

Abutment dimensions

da max	47 mm
db min	48.5 mm
Da min	65 mm
Da max	66.5 mm
Db min	71 mm
Ca min	4 mm
Cb min	5.5 mm
ra max	1.5 mm
r1a max	1.5 mm

Calculation 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

$Po = Xo.Fr + Yo.Fa$

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