Technical data

32014.A

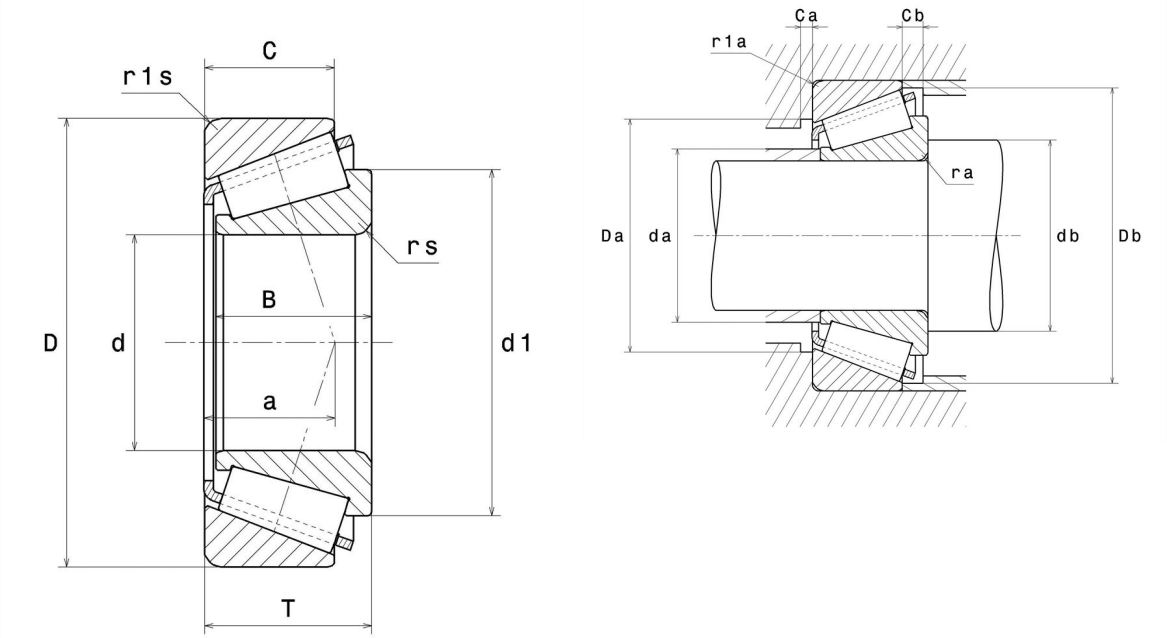
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

ULTAGE



Visual(s)



Product definition

d	70 mm
D	110 mm
B	25 mm
C	19 mm
T	25 mm
d1	90.2 mm
a	23.9 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.43
Y2	1.38
Y0	0.76
Mass	0.84 kg
ISO 355 reference	T4CC070
Brand	SNR

Product performance

Dynamic load, C	16.72 kN
Rating life coefficient, A2	1
Static load, C0	160 kN
Fatigue limit load, Cu	19.5 kN
Nref	3,800 Tr/min
Nlim	6,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.59 Hz
Characteristic outer ring frequency, BPF0	12.16 Hz
Characteristic inner ring frequency, BPFI	14.84 Hz

Abutment dimensions

da max	78 mm
db min	78.5 mm
Da min	98 mm
Da max	101.5 mm
Db min	105 mm
Ca min	5 mm
Cb min	6 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