Technical data

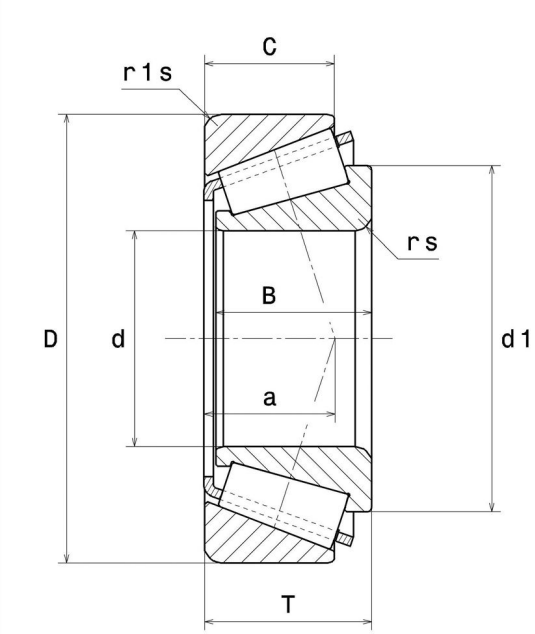
32013.AP6X

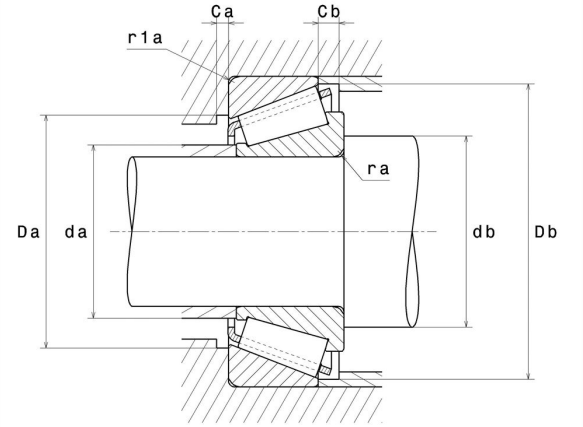
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	65 mm
D	100 mm
B	23 mm
C	17.5 mm
T	23 mm
d1	82.9 mm
a	22.3 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.46
Y2	1.31
Y0	0.72
Mass	0.62 kg
ISO 355 reference	T4CC065
Brand	SNR

Product performance

Dynamic load, C	87.5 kN
Rating life coefficient, A2	1
Static load, C0	132 kN
Fatigue limit load, Cu	21.6 kN
Nref	4,100 Tr/min
Nlim	6,800 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	9.55 Hz
Characteristic outer ring frequency, BPF0	12.16 Hz
Characteristic inner ring frequency, BPFI	14.84 Hz

Abutment dimensions

da max	72 mm
db min	73.5 mm
Da min	90 mm
Da max	91.5 mm
Db min	97 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