Technical data

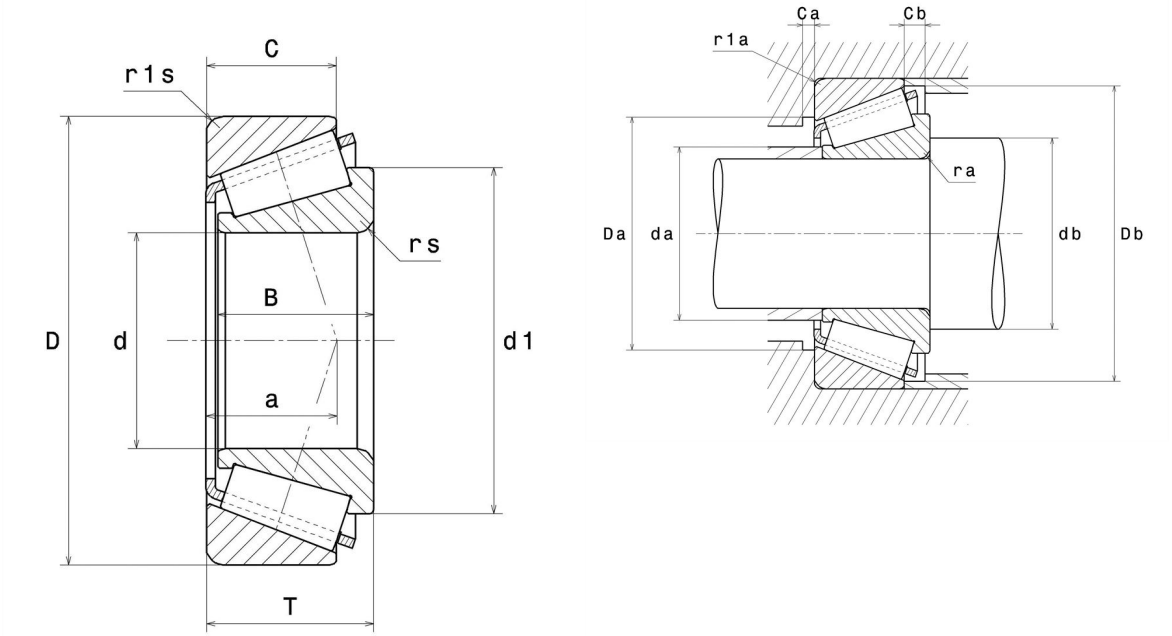
30212.A

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	60 mm
D	110 mm
B	22 mm
C	19 mm
T	23.75 mm
d1	81.6 mm
a	22.3 mm
rs min	2 mm
r1s min	1.5 mm
e	0.4
Y2	1.48
Y0	0.81
Mass	0.9 kg
ISO 355 reference	T3EB060
Brand	SNR

Product performance

Dynamic load, C	108 kN
Rating life coefficient, A2	1
Static load, C0	130 kN
Fatigue limit load, Cu	15.9 kN
Nref	4,100 Tr/min
Nlim	6,700 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	6.34 Hz
Characteristic outer ring frequency, BPF0	8.08 Hz
Characteristic inner ring frequency, BPFI	10.92 Hz

Abutment dimensions

da max	70 mm
db min	70 mm
Da min	96 mm
Da max	101.5 mm
Db min	103 mm
Ca min	4 mm
Cb min	4.5 mm
ra max	2 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