Technical data

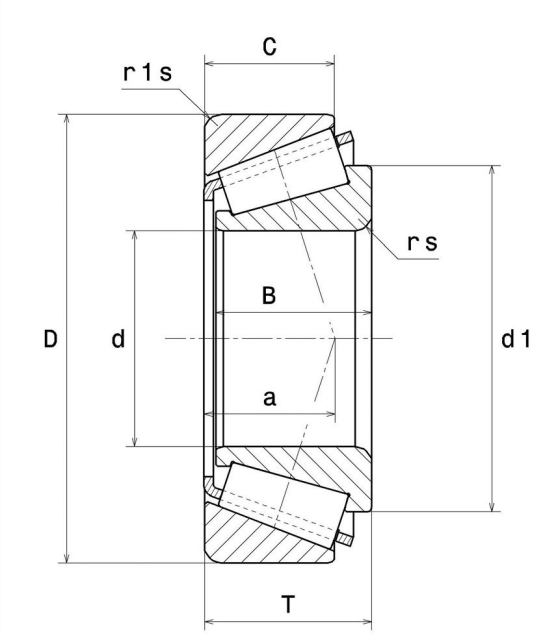
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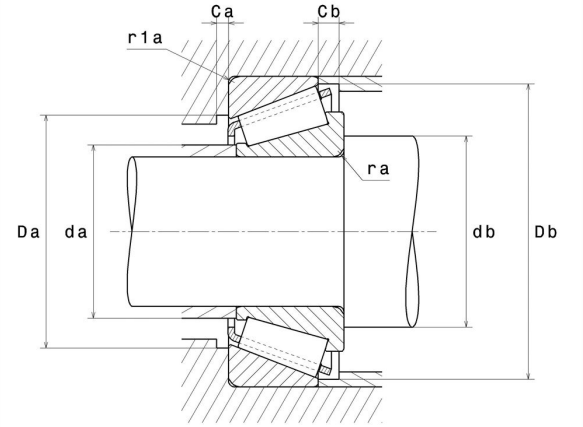
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	80 mm
D	140 mm
B	46 mm
C	35 mm
T	46 mm
a	35 mm
rs min	2.5 mm
r1s min	2 mm
e	0.43
Y2	1.41
Y0	0.78
Mass	2.93 kg
ISO 355 reference	T3EE080
Brand	SNR

Product performance

Dynamic load, C	250 kN
Rating life coefficient, A2	1
Static load, C0	380 kN
Fatigue limit load, Cu	45 kN
Nref	3,200 Tr/min
Nlim	4,800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	89 mm
db min	92 mm
Da min	119 mm
Da max	130 mm
Db min	135 mm
Ca min	7 mm
Cb min	11 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ 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