

PDF technical sheet 32030A



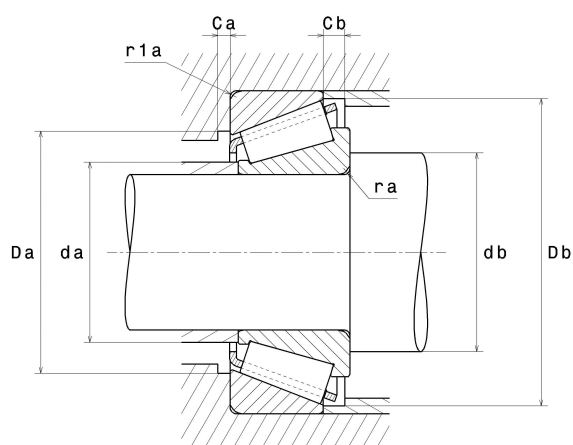
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	5.9055 "
D	8.8583 "
B	1.8898 "
C	1.4173 "
T	1.8898 "
a	1.9528 "
rs min	0.1181 "
r1s min	0.0984 "
e	0.46
Y2	1.31
Y0	0.72
Mass	22.82 oz
ISO 355 reference	T4EC150
Brand	SNR



Product performance	
Dynamic load, C	385 kN
Rating life coefficient, A2	1
Static load, C0	680 kN
Fatigue limit load, Cu	68.70 kN
Nref	2,000 RPM
Nlim	2,900 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da max	6.4567 "
db min	6.4567 "
Da min	7.8740 "
Da max	8.3858 "
Db min	8.5039 "
Ca min	0.3150 "
Cb min	0.4724 "
ra max	0.0984 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.5	Y0

If $P_0 \leq F_r$, then use $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table