

PDF technical sheet 32232A



Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	6.2992 "
D	11.4173 "
B	3.1496 "
C	2.6378 "
T	3.3071 "
a	2.7047 "
rs min	0.1575 "
r1s min	0.1181 "
e	0.43
Y2	1.38
Y0	0.76
Mass	82.19 oz
ISO 355 reference	T4GD160
Brand	SNR



Product performance	
Dynamic load, C	870 kN
Rating life coefficient, A2	1
Static load, C0	1,380 kN
Fatigue limit load, Cu	132 kN
Nref	1,400 RPM
Nlim	2,400 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da max	7.1654 "
db min	7.0079 "
Da min	9.5276 "
Da max	10.8661 "
Db min	10.8268 "
Ca min	0.3937 "
Cb min	0.6693 "
ra max	0.1181 "
r1a max	0.0984 "

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