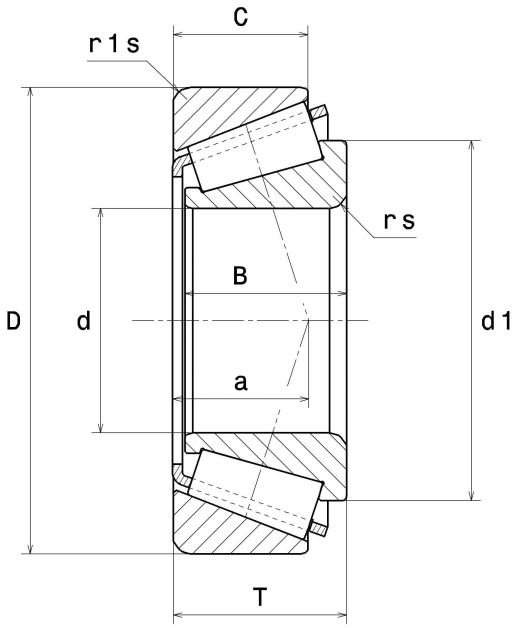
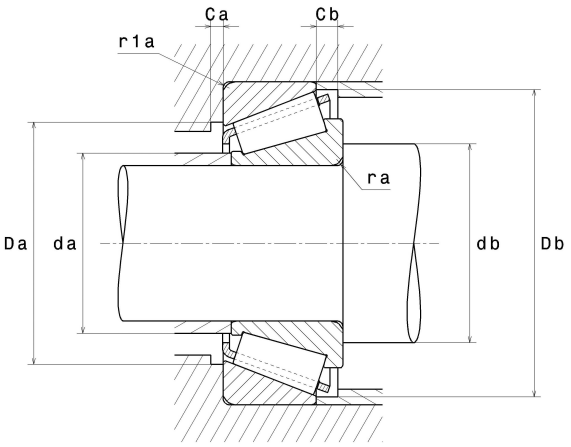
PDF technical sheet
32038A

Single row tapered roller bearings
Tapered roller bearing, pressed steel cage

Product definition	
d	7.4803 "
D	11.4173 "
B	2.5197 "
C	1.8898 "
T	2.5197 "
d1	9.4882 "
a	2.4803 "
rs min	0.1181 "
r1s min	0.0984 "
e	0.44
Y2	1.36
Y0	0.75
Mass	52.21 oz
ISO 355 reference	T4FD190
Brand	SNR



Product performance	
Dynamic load, C	644 kN
Rating life coefficient, A2	1
Static load, C0	1,160 kN
Fatigue limit load, Cu	109 kN
Nref	1,400 RPM
Nlim	2,200 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.74 Hz
Characteristic outer ring frequency, BPF0	12.63 Hz
Characteristic inner ring frequency, BPFI	15.37 Hz



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da max	8.2283 "
db min	8.0315 "
Da min	10.1181 "
Da max	10.9449 "
Db min	10.9843 "
Ca min	0.3937 "
Cb min	0.6299 "
ra max	0.0984 "
r1a max	0.0787 "

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