

PDF technical sheet 4TM12610



Single row tapered roller bearings cup

Product definition	
D	1.9687 "
C	0.5500 "
Brand	BOWER



Product performance

Min operating temperature, T _{min}	-40 °C
Max operating temperature, T _{max}	248 °C



Abutment dimensions

r1a max	0.0512 "
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Calculation factors

Equivalent dynamic radial load

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

F _a / F _r ≤ e		F _a / F _r > e	
X	Y	X	Y
1	0	0.4	Y ₂

Equivalent static radial load

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

X ₀	Y ₀
0.5	Y ₀

If $P_0 < F_r$, then use $P_0 = F_r$

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