

Amplitude Calculations

Select vibrator driver size by using these calculations for amplitude

Amplitude equation:

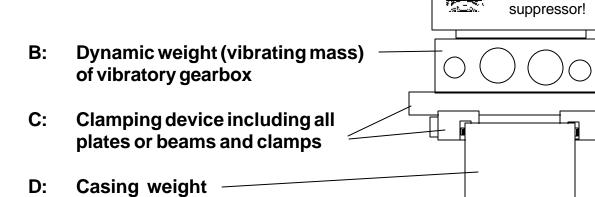
$$A = \frac{2 \times Mt}{Mv}$$

Mt	= Eccentric moment in	m.kg
Μv	= Total vibrating weight	kg
Α	= Amplitude in	mm

Vibrating weight: Mv

The vibrating weight is the sum of all the weights of the vibrating mass.

 $\mathsf{M}\mathsf{v}=\mathsf{B}+\mathsf{C}+\mathsf{D}$



Note: Calculate casing weight using the following formula:

OD (outside diameter) in m x 3.14 x wall thickness in m x casing length in m x density 7.8

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Do not count the weight of the