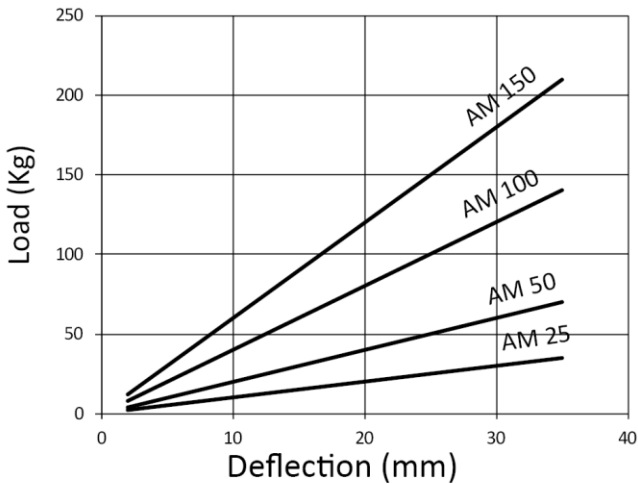


# DYNAMIC CHARACTERISTICS

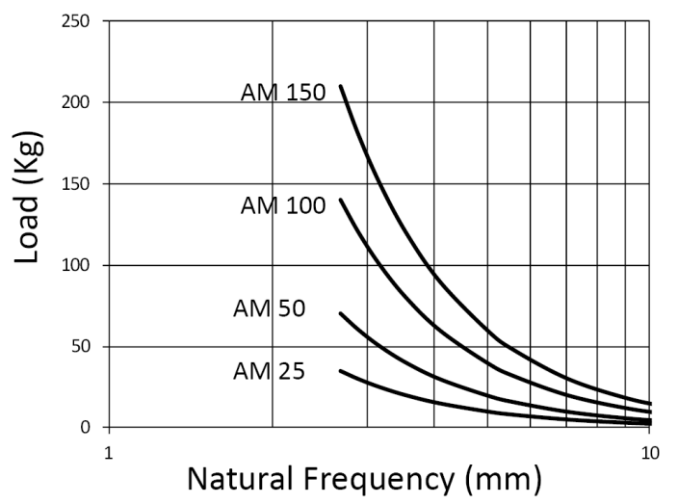
## Vibro AM

Antivibration Mount with spring

1. LOAD - DEFLECTION DIAGRAM



2. LOAD - NATURAL FREQUENCY DIAGRAM



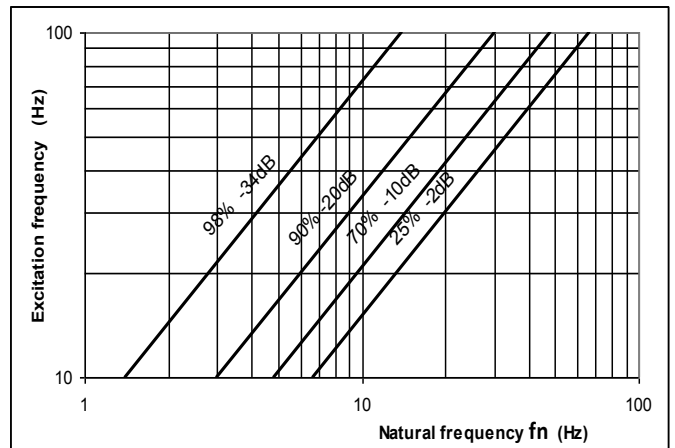
### SELECTION METHOD

We check the deflection (mm), in combination with the assessed load (Kg) per mounting point (chart 1). Then we calculate (chart 2) the natural frequency of the antivibration pad for every number of layers.

$$f_n = \frac{1}{2\pi} \sqrt{\frac{S}{M}}$$

From chart 3, with the assessed excitation frequency of the machine ( $f_e = \text{rpm} / 60$ ) and the natural frequency from chart 2, we calculate the % theoretical vibration reduction (efficiency, n).

3. VIBRATION REDUCTION CHART



For achieving optimum results in special applications, we recommend to contact our technical department for selecting the best antivibration solution.

\* (The tests were measured according the EN 826-97 at National State Laboratories ) 9 - 2005