DYNAMIC CHARACTERISTICS
for ANTIVIBRATION MOUNT
Vibro 3D

1. LOAD - DEFLECTION DIAGRAM*

![Load Deflection Diagram](image1)

2. LOAD - NATURAL FREQUENCY DIAGRAM

![Load Natural Frequency Diagram](image2)

3. VIBRATION REDUCTION CHART

![Vibration Reduction Chart](image3)

**SELECTION METHOD**

The deflection (mm) has to be checked, for each mounting point, in combination with the assessed load (Kg) (Chart 1).

Then the natural frequency of the antivibration mounts, can be calculated (Chart 2).

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

From Chart 3, with the assessed excitation frequency of the machine \( fe = \frac{pm}{60} \) and the natural frequency derived from Chart 2, the % theoretical vibration reduction (efficiency, n) can be calculated.

*For achieving optimum results in special applications, we recommend contacting our technical department to assist you in the selection of the best antivibration solution.*

* (Technical data was acquired from studies carried out at the University of Dresden, Germany)