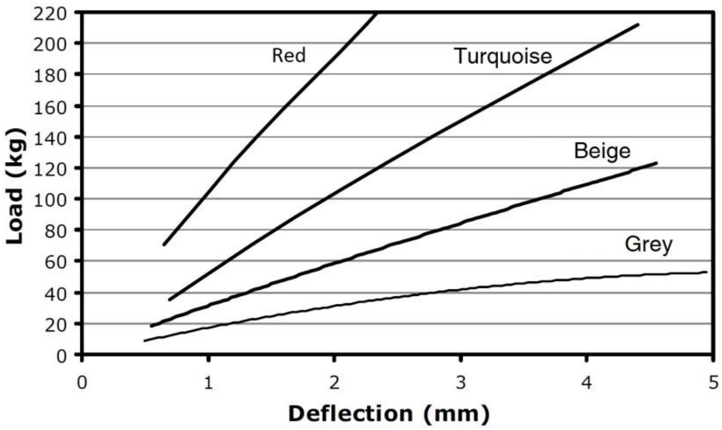
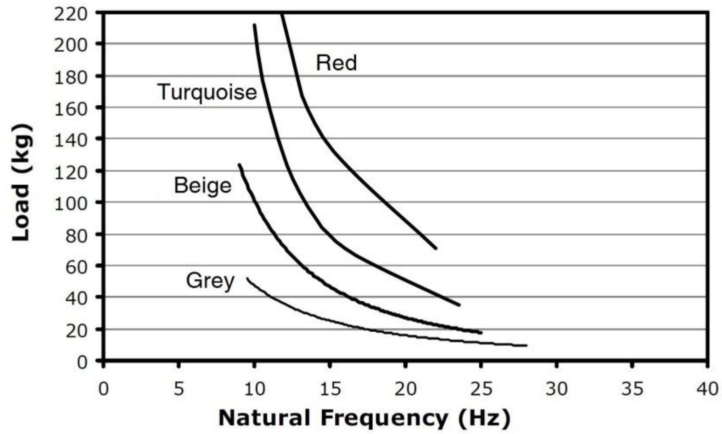
DYNAMIC CHARACTERISTICS
for ANTIVIBRATION MOUNT
Vibro 3D

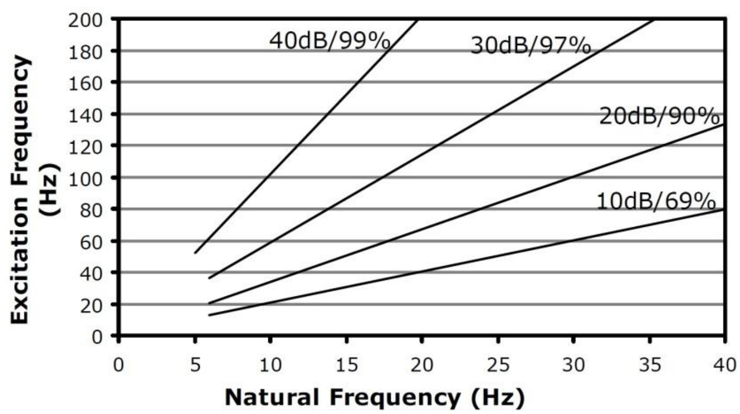
1. LOAD - DEFLECTION DIAGRAM*



2. LOAD - NATURAL FREQUENCY DIAGRAM



3. VIBRATION REDUCTION CHART



SELECTION METHOD

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

$$(fn = \frac{1}{2\pi}\sqrt{\frac{S}{M}})$$

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

From *Chart 3*, with the assessed excitation frequency of the machine (fe = 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)*

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