

## HAND-ARM VIBRATION EXPOSURE LIMIT

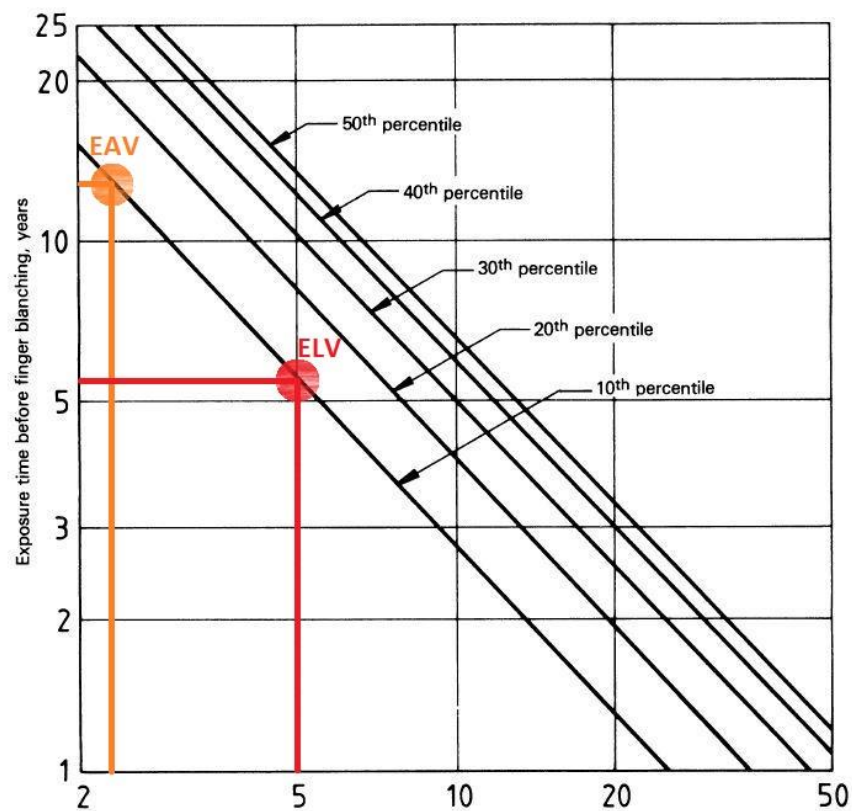
When advising your client on the control of hand-arm vibration at work, it is important to stress out that the EU exposure limit value of 5.0 m/s<sup>2</sup> is not entirely protective.

The ISO 5349-1 standard presents a chart where the time before the onset of finger blanching (vibration white finger) can be compared with the weighted vibration level for different percentiles of a population.

It can be seen that for 10 years of continuous exposure at the current exposure limit value of 5.0 m/s<sup>2</sup>, 30% of the exposed population will develop vibration white finger.

Therefore, it is essential to reduce the exposure to hand-arm vibration to at least below the exposure action value of 2.5 m/s<sup>2</sup> and preferably as low as reasonably practicable.

[#HAVS](#) [#Vibration](#) [#IH](#) [#OH](#) [#ISO5349](#)



Values for r.m.s. weighted acceleration measured in a single-axis direction, m·s<sup>-2</sup>

Exposure time for different percentiles of a population group exposed to vibrations in three coordinate axes

