

■ Damper for mounting flange

The rubber vulcanized onto the 2 flange rings is used primarily by the ZD... damper for attenuating the structure-borne noise* which can be reduced to approx. 3-10 dB(A) compared to direct flange mounting and its size, construction and stability and depending on the frequency. Due to the different sound velocities - steel / air / rubber = 5000 / 331 / 50 m/s - and the damping vibration tendency of the damper ZD-DF.. this provides cost-effective noise damping.

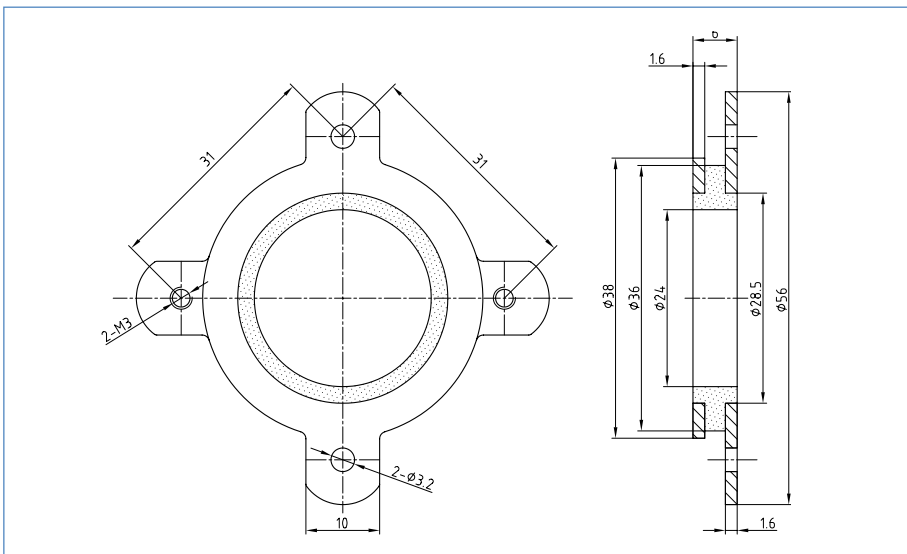
Compared to the well-known rubber silencer, the ZD silencer still provides an acceptable setting of the often important axis spacing between motor shaft and shaft to be driven.

The interrupted flange cooling surface (additional cooling surface that is often utilized for direct flange mounting) must be taken into account at the admissible motor temperature.

* **The generation of noise arises** initially as structure-borne noise and are only then emitted as air noise. If these air noise waves strike a component, such as a casing wall, this causes it to vibrate. Due to the oscillation of this wall (minimum bending vibrations), air in the room is excited and is amplified as air noise so that it can be heard by persons. As each component has its own resonant frequency, countless other noise sources can be excited and hence amplified too.



ZD-DF40

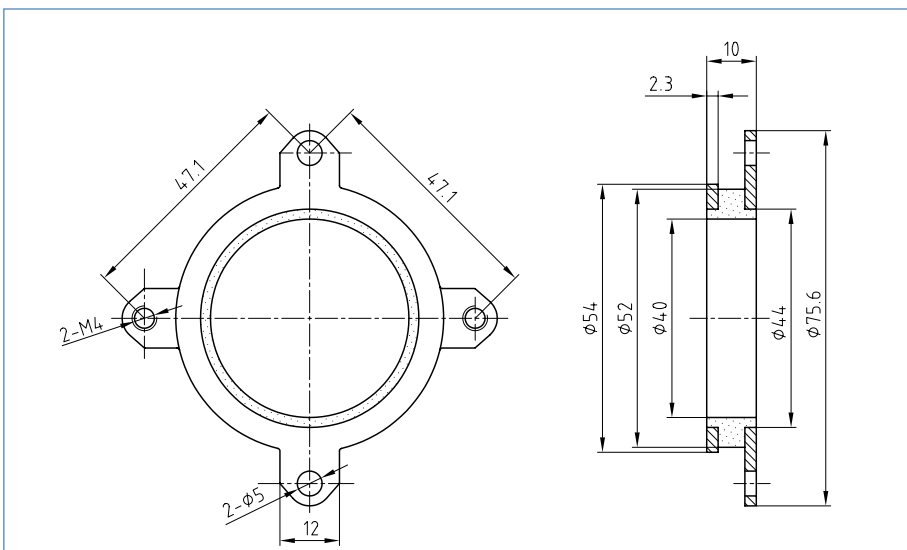


Order identifier



ZD-DF40

ZD-DF56



Order identifier



ZD-DF56