AMORIM T&D

VC1047 Collars

Technical Datasheet

Material Description & Properties

Amorim Cork Solutions Anti-Vibration pads are used in a wide variety of applications. They provide vibration isolation that prevents the transmission of structural borne vibrations from one element of a system to another.

The performance of an isolation system can be almost zero if precautions are not taken to isolate all vibration transmissions. Fastenings for machinery or connecting parts of a structure can cause issues if not managed correctly.

Figure 1 demonstrates an installation where a bolt has been used to fasten a machine with an Anti- Vibration pad to a floor. While the pad will prevent any transmission of vibrations from the machine into the surrounding environment the bolt is connected to both the machine and the floor hence the vibrations will be carried through the bolt into the ground, bypassing the vibration pad.

Figure 1

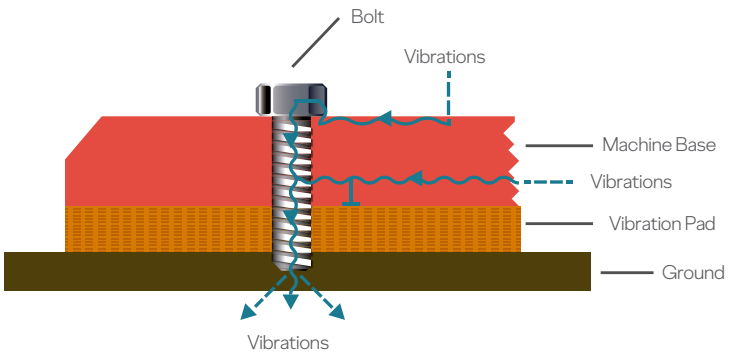
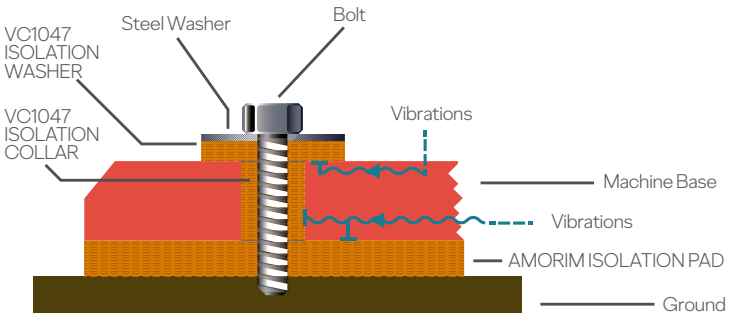


Figure 2 examines exactly the same situation only in this instance the isolation collar and washer assembly prevent the vibrations being transmitted from the machine to the ground via the bolt.

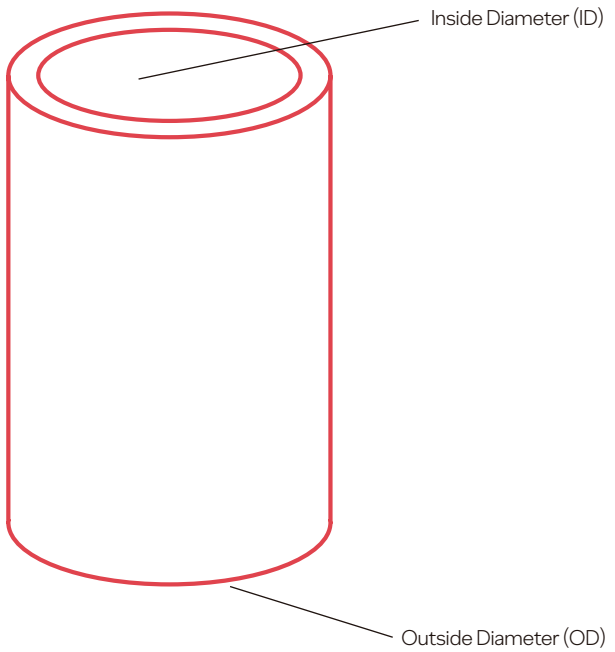
Amorim isolation collars should be used in all applications where isolation from vibrations is required, and machinery is bolted through pads.

Figure 2



The main principle in **figure 2** should be encompassed whenever using isolation pads. The basic principle is to provide isolation between the source of the vibration and any part of the system that can transmit the undesired sound.

Amorim VC collars should be used in any system that requires a Vibration Pad with a fastening going through this pad, e.g. between steel beam connections, machinery and tank covers, etc.



Bolt size	Isolation collars		Washers	
M10	ID 10mm	OD 16mm	ID 10mm	OD 30mm
M12	ID 12mm	OD 18mm	ID 12mm	OD 36mm
M14	ID 14mm	OD 20mm	ID 14mm	OD 42mm
M16	ID 16mm	OD 22mm	ID 16mm	OD 48mm
M18	ID 18mm	OD 24mm	ID 18mm	OD 54mm
M20	ID 20mm	OD 26mm	ID 20mm	OD 60mm
M24	ID 24mm	OD 30mm	ID 24mm	OD 72mm
M26	ID 26mm	OD 32mm	ID 26mm	OD 78mm

Standard pack contains

- 6 collars x 50mm long
- 4 cork washers x 6mm thickness
- 4 steel washers x 3mm thickness

The data provided in this Material Data Sheet represents typical values. This information is not intended to be used as a purchasing specification and does not imply suitability for use in a specific application. Failure to select the proper sealing product may result in either product damage or personal injury. Please contact Amorim Cork Solutions regarding recommendations for specific applications. Amorim Cork Solutions expressly disclaims all warranties, including any implied warranties or merchantability or of fitness for a particular purpose. Amorim Cork Solutions is not liable for any indirect, special, incidental, consequential, or punitive damages as a result of using the information listed in this material data sheet, any of its brochures, its products or any future use or re-use of them by any person or entity. For contractual purposes, please request our Product Specifications Sheet (PDA).