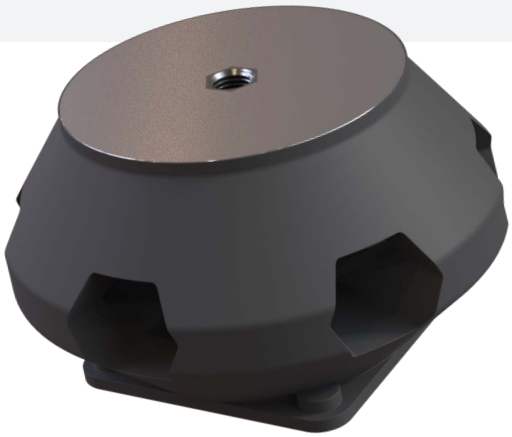
New2C



PRODUCT DATA

APPLICATION

Shock can be defined as sudden changes of an object's position, velocity and acceleration in a short period of time. Trelleborg's shock mounts are designed to protect structures and equipment from destructive consequences of the shock wave. The revolutionary New2C shock mount has been developed by Trelleborg to meet the most stringent requirements in shock and vibration isolation and covers a wide range of applications like electronic devices and sensitive equipment. New2C has a soft elastic characteristic under shock deformation as well as a low natural frequency under normal vibration conditions; it can, therefore, meet both shock and vibration requirements at a very high level at the same time. Additionally, New2C has the natural sound isolation qualities of an elastomer (rubber) element and is standard non-magnetic. The maximum deformation New2C allows is at least -55 to +55 mm in all directions. It is suitable for frequency ranges of 5 Hz to 9 Hz. New2C is entirely maintenance-free.

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CHARACTERISTICS

New2C consists of a special rubber-to-metal structure with a special inner and outer form of the rubber cavity. The rubber parts are natural rubber, the metal parts are aluminum. It is suitable for frequency ranges of 5 Hz to 9 Hz.

GENERAL

New2C is registered under NATO Stock Number NSN 5340-12-335-2370 to -2375 for classes 1 to 6 respectively and 5340-12-335-6202 for class 7.

For more information about this product, please contact us via antivibration@trelleborg.com.

MATERIALS

- Elastomer Spring
- Standard design in natural rubber (NR)
- Alternative: Chloroprene (CR)
- Metal part: Aluminum

ADVANTAGES

- Affordable, relatively low pricing
- Good sound isolation
- Low plastic deformation when exposed to shock
- Captive design (optional)
- Applicable in various load ranges
- Standard non-magnetic
- Available with NATO Stock Numbers (NSN)

APPLICATION EXAMPLES

- Switch cabinets
- Electronic equipment
- Small ventilation systems
- Equipment with vibration source

CLASS	STATIC LOAD (KG)	AVERAGE STIFFNESS (N/MM)			PERMISSIVE DEFORMATION (MM)		
		X	Y	Z	X	Y	Z
005	5-20	10	10	17	55	55	55
01	10-35	27	27	21	55	55	55
02	25-50	44	44	36	55	55	55
03	32-75	65	65	54	55	55	55
04	40-90	8	82	70	55	55	55
05	50-130	143	143	124	55	55	55
06	60-160	175	175	152	55	55	55
07	80-180	224	224	196	55	55	55
08	150-300	160	160	330	55	55	55