



DOCUMENTATION SHEET

Cable Mountings

Type SMC015

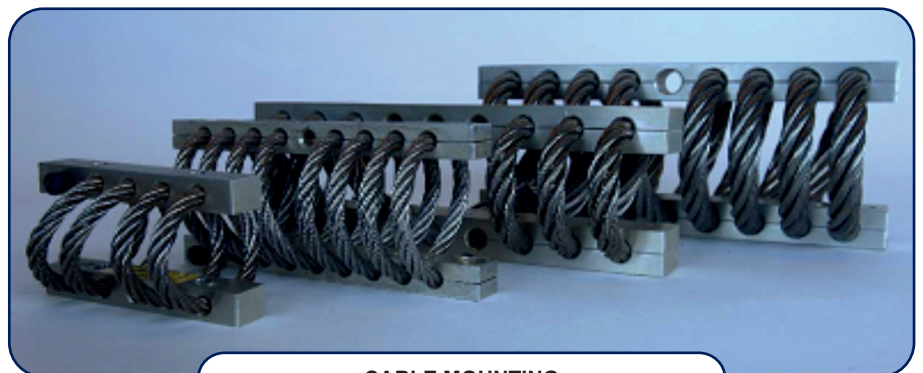
SMC015

Combined all-metal multidirectional anti-vibration and antishock mountings.

- No aging
- Corrosion resistant
- Highly inherent damping
- Very low amplification at resonance
- Severe shock attenuation
- Wide temperature range (-180 to 300°C)
- Maintenance free

Type applications:

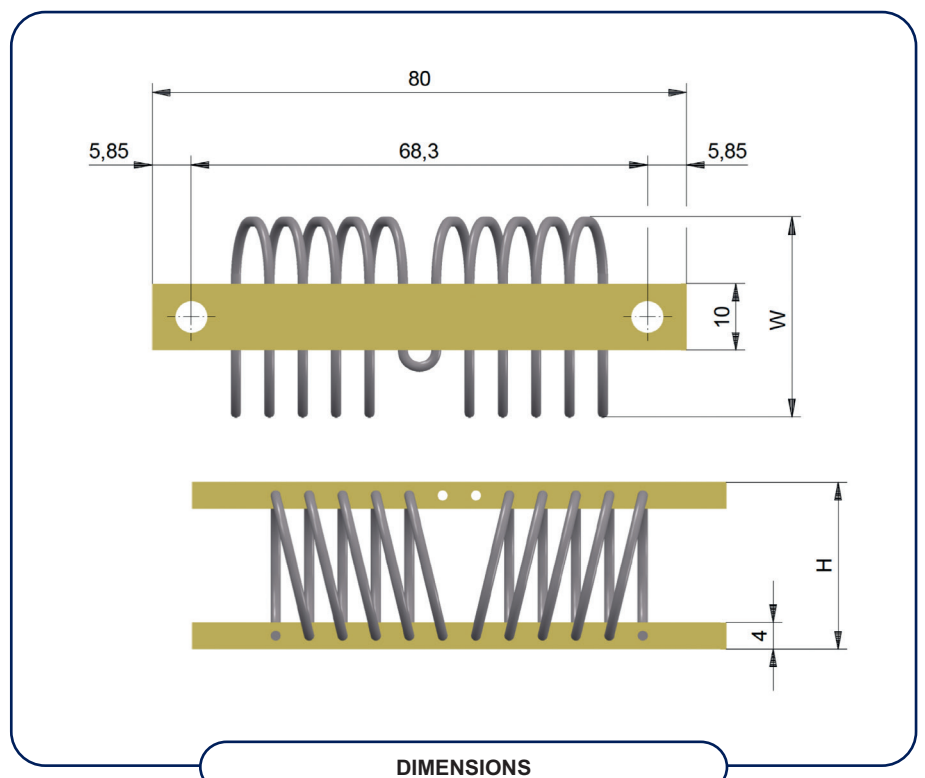
- Resilient suspensions meeting military standards
- Isolation of sensitive electronic equipment
- Isolation of generators, pumps and compressors
- Exhaust system suspension
- Isolation of cabinets, containers etc.
- Protection of equipment during transport
- Extreme temperature application



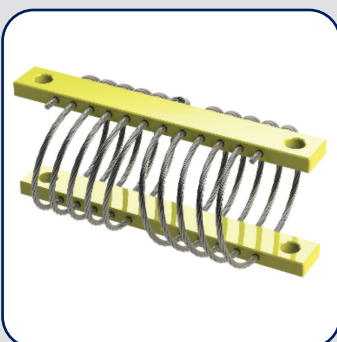
CABLE MOUNTING

Standard materials (other qualities on request)

Wire rope and threaded inserts: Steel AISI 316; Bars: Aluminium 6060-T6; Finish: Chromated



DIMENSIONS





Mounting Characteristics

The characteristics table is ideal for initial selection; however, it is advisable to seek expert advice before finalizing an installation design. Rubber Design is eager to support you by making design calculations as a service, to ensure a proper functioning resilient mounted system.

| Load Mode: Compression <i>Typical load range: 2,5 - 5,0 kg</i> | Max static load (daN) | Vibration stiffness (N/mm) | Max dynamic travel (mm) | Shock stiffness (N/mm) |
|---|------------------------------|-----------------------------------|--------------------------------|-------------------------------|
| SMC015080-018 | 4,6 | 29 | 8 | 24 |
| SMC015080-020 | 4 | 22 | 10 | 17 |
| SMC015080-025 | 3,5 | 15 | 15 | 12 |
| SMC015080-028 | 3,1 | 12 | 18 | 8,8 |
| SMC015080-030 | 2,9 | 10 | 20 | 7,5 |
| SMC015080-033 | 2,7 | 8,5 | 23 | 6,0 |
| SMC015080-035 | 2,6 | 7,5 | 25 | 5,2 |
| SMC015080-038 | 2,4 | 6,3 | 28 | 4,3 |
| Load Mode: Tension <i>Typical load range: 1,5 - 3,0 kg</i> | Max static load (daN) | Vibration stiffness (N/mm) | Max dynamic travel (mm) | Shock stiffness (N/mm) |
| SMC015080-018 | 3,1 | 41 | 4 | 42 |
| SMC015080-020 | 2,7 | 30 | 5 | 30 |
| SMC015080-025 | 2,2 | 20 | 6 | 21 |
| SMC015080-028 | 1,9 | 15 | 7 | 16 |
| SMC015080-030 | 1,8 | 13 | 7 | 13 |
| SMC015080-033 | 1,6 | 10 | 8 | 11 |
| SMC015080-035 | 1,5 | 9 | 9 | 9,2 |
| SMC015080-038 | 1,3 | 7,4 | 10 | 7,6 |
| Load Mode: Shear & Roll <i>Typical load range: 0,5 - 2,0 kg</i> | Max static load (daN) | Vibration stiffness (N/mm) | Max dynamic travel (mm) | Shock stiffness (N/mm) |
| SMC015080-018 | 1,8 | 9 | 10 | 9 |
| SMC015080-020 | 1,4 | 5,7 | 11 | 5,7 |
| SMC015080-025 | 1 | 3,4 | 14 | 3,4 |
| SMC015080-028 | 0,8 | 2,3 | 16 | 2,3 |
| SMC015080-030 | 0,7 | 1,8 | 17 | 1,8 |
| SMC015080-033 | 0,6 | 1,3 | 19 | 1,3 |
| SMC015080-035 | 0,6 | 1,1 | 21 | 1,1 |
| SMC015080-038 | 0,5 | 0,8 | 23 | 0,8 |

Dynamic damping values (Critic Ratio): 0.15 / 0.2 for vibration input, 0.3 / 0.35 during shock response.
Performance characteristics are given here for reference only. They refer to full loop models with stainless steel rope.

CHARACTERISTICS

SMC015





Hole configuration code

Each cable mount has six alternative configurations with regard to fixture holes. When ordering, make your choice and add the hole configuration code to the type number, for example: SMC015080-033-YY.

| Fixture holes | Upper bar | Through holes | Through holes | Inserts M4 |
|---------------------------|-----------|---------------|---------------|------------|
| | | 4,5 mm | countersunk | |
| Lower bar | | | | |
| Through holes 4,5 mm | | II | IY | IM |
| Through holes countersunk | | IY | YY | YM |
| Inserts M4 | | IM | YM | MM |

CONFIGURATION CODE

| Type number | (H) Height (mm) | (W) Width (mm) | Mass (kg) |
|---------------|-----------------|----------------|-----------|
| SMC015080-018 | 18 | 25 | 0,02 |
| SMC015080-020 | 20 | 28 | 0,02 |
| SMC015080-025 | 25 | 30 | 0,02 |
| SMC015080-028 | 28 | 33 | 0,02 |
| SMC015080-030 | 30 | 35 | 0,02 |
| SMC015080-033 | 33 | 38 | 0,03 |
| SMC015080-035 | 35 | 40 | 0,03 |
| SMC015080-038 | 38 | 43 | 0,03 |

The number of wire loops can be less than 10, for instance 4, 6 or 8, whereat the load range is correspondingly reduced.
Table to be updated accordingly with earlier provided list of articles.
Additionally height, width and mass of missing articles is to added.

DIMENSIONS

SMC015

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