# Tipo VE - Type VE

Un'ampia gamma di supporti standard utili a prevenire shock e sovraccarichi grazie al loro tamponamento progressivo. Sono utilizzati in varie applicazioni sia come fine corsa, sia come appoggi per macchine ed impianti per prevenire la trasmissione delle vibrazioni. I supporti con vite sono disponibili in diverse dimensioni tra gli 8 ed i 100 mm e sono adatti a carichi fino ad oltre 3200 kg.

*An extensive range of standard products designed to prevent shocks and overloading, thanks to their progressive absorption. They are used in a wide range of applications, whether it be to soften or cushion the contact between two adjacent parts and for use as feet to prevent vibration passing through. The Male buffer range is available in various sizes between 8 – 100mm and can accept loads up to more than 3200 Kg.*



## CAMPI D'IMPIEGO

- Gruppi elettrogeni
- Motori
- Macchine utensili
- Pompe
- Impianti speciali
- Impianti di ventilazione e condizionamento

## APPLICATIONS

- *Gensets*
- *Engines*
- *Tooling machinery*
- *Pumps*
- *Special equipments*
- *HVAC*

## REALIZZAZIONE STANDARD - STANDARD PRODUCTION

Tutti i paracolpi ed i livellanti possono essere prodotti con diverse tipologie di parti metalliche, caratterizzate da diversi processi produttivi:
**Viti stampate -** Classe 4.8
**Viti saldate -** Rondelle: acciaio DD12 UNI EN 10111 – Viti: classe 4.8
Gomma naturale NR
Zincatura secondo normativa CEE, esente CROMO VI, colore bianco
Tolleranza sulla rigidezza: ± 20%

*All the resilient stops and the buffers can be made with different metal parts, manufactured with different processes:*
***Cold formed screws -*** *Class 4.8*
***Welded screws -*** *Washers: DD12 steel UNI EN 10111 – Screws: class 4.8*
*Natural rubber NR*
*Zinc plated in accordance with CE standards, CHROME VI free, white*
*Stiffness tolerance: ± 20%*

## OPZIONI & ACCESSORI - OPTIONS & ADDITIONAL PARTS

Gomma NEOPRENE CR e antiolio NBR

Realizzazione in acciaio inox

Viti in classe di resistenza più alta

Realizzazione con lunghezze utili delle viti secondo il disegno del cliente

*NEOPREN CR and anti-oil NBR rubber*

*Stainless steel version*

*Screws with a higher resistance class*

*Screws with a specific length in accordanceto customer's drawing*

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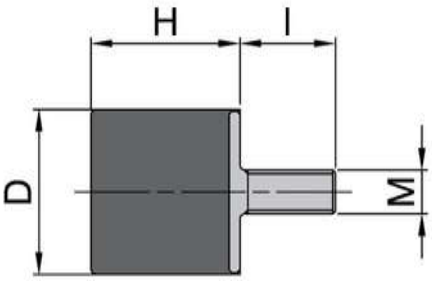


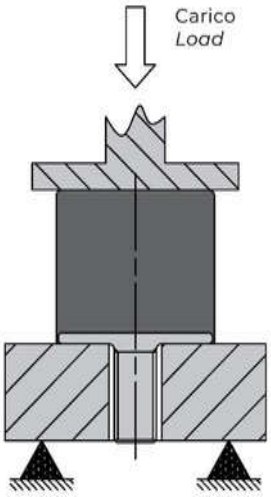


| Codice *Item* | D | H | M x I | Rigidezza *Stiffness* 45 IRHD (Kg/mm) | Rigidezza *Stiffness* 60 IRHD (Kg/mm) | Rigidezza *Stiffness* 70 IRHD (Kg/mm) | Deflessione massima *Max. deflection* (mm) |
|---|---|---|---|---|---|---|---|
| **0808VE06** | 8 | 8 | M3X06 | 2,9 | 5,0 | 7,1 | 1,6 |
| **1008VE10** | 10 | 8 | M4X10 | 3,6 | 6,7 | 9,3 | 1,6 |
| **1413VE10** | 14 | 13 | M4X10 | 3,4 | 6,6 | 9,1 | 2,6 |
| **1508VE10** | 15 | 8 | M4X10 | 11,8 | 21,7 | 30,0 | 1,6 |
| **1610VE10** | 16 | 10 | M4X10 | 8,2 | 15,4 | 21,3 | 2,0 |
| **1610VE12** | 16 | 10 | M5X12 | 8,2 | 15,4 | 21,3 | 2,0 |
| **1615VE10** | 16 | 15 | M4X10 | 4,2 | 7,6 | 10,7 | 3,0 |
| **1620VE10** | 16 | 20 | M4X10 | 2,4 | 4,5 | 6,3 | 4,0 |
| **1885VE18** | 18 | 8,5 | M6X18 | 15,1 | 28,2 | 39,2 | 1,7 |
| **2008VE18** | 20 | 8 | M6X18 | 17,7 | 32,4 | 44,8 | 1,6 |
| **2012VE18** | 20 | 12 | M6X18 | 10,2 | 18,9 | 26,0 | 2,4 |
| **2015VE18** | 20 | 15 | M6X18 | 6,9 | 13,1 | 18,0 | 3,0 |
| **2020VE18** | 20 | 20 | M6X18 | 4,0 | 7,4 | 10,2 | 4,0 |
| **2025VE18** | 20 | 25 | M6X18 | 2,8 | 5,2 | 7,2 | 5,0 |
| **2030VE18** | 20 | 30 | M6X18 | 1,8 | 3,3 | 4,6 | 6,0 |
| **2508VE18** | 25 | 8 | M6X18 | 31,0 | 59,5 | 83,3 | 1,6 |
| **2508VE20** | 25 | 8 | M8X20 | 31,0 | 59,5 | 83,3 | 1,6 |

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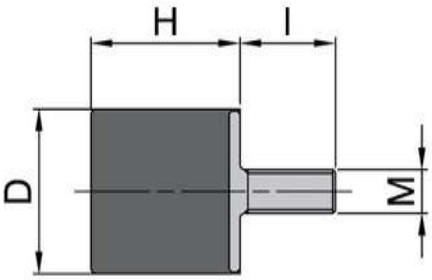


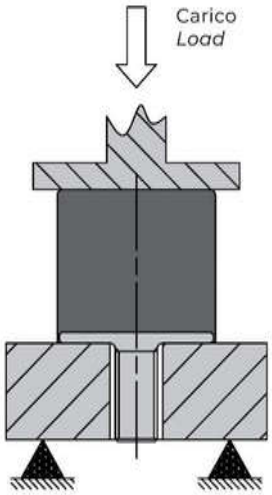


| Codice *Item* | D | H | M x I | Rigidezza *Stiffness* 45 IRHD (Kg/mm) | Rigidezza *Stiffness* 60 IRHD (Kg/mm) | Rigidezza *Stiffness* 70 IRHD (Kg/mm) | Deflessione massima *Max. deflection* (mm) |
|---|---|---|---|---|---|---|---|
| **2510VE20** | 25 | 10 | M8X20 | 24,8 | 47,6 | 66,7 | 2,0 |
| **2515VE18** | 25 | 15 | M6X18 | 13,8 | 26,4 | 37,0 | 3,0 |
| **2517VE18** | 25 | 17 | M6X18 | 12,5 | 22,9 | 31,6 | 3,4 |
| **2519VE20** | 25 | 19 | M8X20 | 10,6 | 19,4 | 26,9 | 3,8 |
| **2520VE18** | 25 | 20 | M6X18 | 9,6 | 17,7 | 24,0 | 4,0 |
| **2520VE20** | 25 | 20 | M8X20 | 9,6 | 17,7 | 24,0 | 4,0 |
| **2522VE20** | 25 | 22 | M8X20 | 7,4 | 13,8 | 18,4 | 4,4 |
| **2525VE18** | 25 | 25 | M6X18 | 5,4 | 10,1 | 14,0 | 5,0 |
| **2530VE20** | 25 | 30 | M8X20 | 4,0 | 7,4 | 9,8 | 6,0 |
| **3015VE20** | 30 | 15 | M8X20 | 17,9 | 33,5 | 46,9 | 3,0 |
| **3017VE20** | 30 | 17 | M8X20 | 14,7 | 27,1 | 37,4 | 3,4 |
| **3020VE20** | 30 | 20 | M8X20 | 11,5 | 21,6 | 29,5 | 4,0 |
| **3022VE20** | 30 | 22 | M8X20 | 8,4 | 15,5 | 21,3 | 4,4 |
| **3025VE20** | 30 | 25 | M8X20 | 6,7 | 11,1 | 15,3 | 5,0 |
| **3030VE20** | 30 | 30 | M8X20 | 4,7 | 8,6 | 11,8 | 6,0 |
| **3040VE20** | 40 | 40 | M8X20 | 3,6 | 6,5 | 9,0 | 8,0 |
| **4020VE23** | 40 | 20 | M8X23 | 23,6 | 44,4 | 63,5 | 4,0 |

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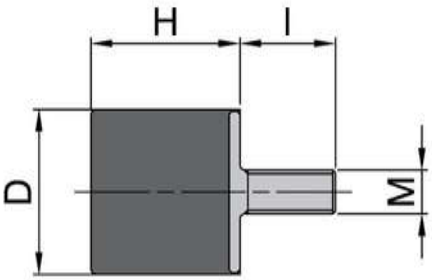


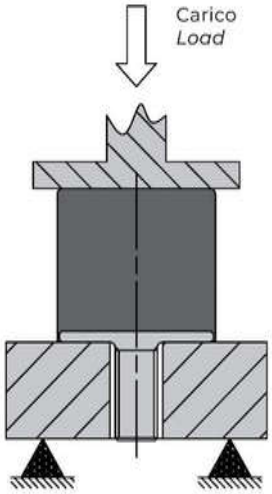


| Codice *Item* | D | H | M x I | Rigidezza *Stiffness* 45 IRHD (Kg/mm) | Rigidezza *Stiffness* 60 IRHD (Kg/mm) | Rigidezza *Stiffness* 70 IRHD (Kg/mm) | Deflessione massima *Max. deflection* (mm) |
|---|---|---|---|---|---|---|---|
| **4020VE25** | 40 | 20 | M10X25 | 23,6 | 44,4 | 63,5 | 4,0 |
| **4025VE25** | 40 | 25 | M10X25 | 16,6 | 31,1 | 42,9 | 5,0 |
| **4027VE23** | 40 | 27 | M8X23 | 14,0 | 26,0 | 35,6 | 5,4 |
| **4028VE25** | 40 | 28 | M10X25 | 14,0 | 26,0 | 35,6 | 5,6 |
| **4030VE23** | 40 | 30 | M8X23 | 11,8 | 22,2 | 30,8 | 6,0 |
| **4030VE25** | 40 | 30 | M10X25 | 11,8 | 22,2 | 30,8 | 6,0 |
| **4035VE23** | 40 | 35 | M8X23 | 9,0 | 16,7 | 23,2 | 7,0 |
| **4035VE25** | 40 | 35 | M10X25 | 9,0 | 16,7 | 23,2 | 7,0 |
| **4040VE23** | 40 | 40 | M8X23 | 7,4 | 13,9 | 19,0 | 8,0 |
| **4040VE25** | 40 | 40 | M10X25 | 7,4 | 13,9 | 19,0 | 8,0 |
| **4045VE25** | 40 | 45 | M10X25 | 6,3 | 11,9 | 16,4 | 9,0 |
| **5015VE25** | 50 | 15 | M10X25 | 75,5 | 138,0 | 193,2 | 3,0 |
| **5020VE28** | 50 | 20 | M10X28 | 52,3 | 97,3 | 134,3 | 4,0 |
| **5021VE25** | 50 | 21 | M10X25 | 50,0 | 93,2 | 128,4 | 4,2 |
| **5025VE25** | 50 | 25 | M10X25 | 36,6 | 68,0 | 93,9 | 5,0 |
| **5030VE25** | 50 | 30 | M10X25 | 25,1 | 46,2 | 64,1 | 6,0 |
| **5035VE25** | 50 | 35 | M10X25 | 18,9 | 33,8 | 46,5 | 7,0 |

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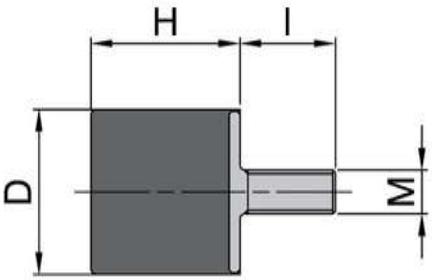


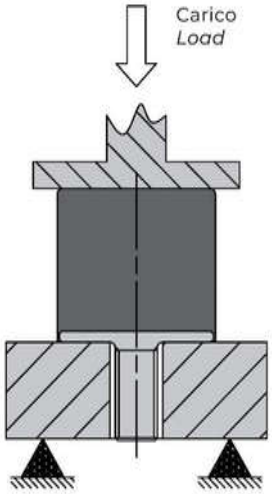


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|---|---|---|---|---|---|---|---|
| **5040VE25** | 50 | 40 | M10X25 | 13,0 | 24,0 | 33,2 | 8,0 |
| **5045VE25** | 50 | 45 | M10X25 | 10,2 | 18,9 | 26,3 | 9,0 |
| **5050VE25** | 50 | 50 | M10X25 | 8,3 | 15,5 | 21,4 | 10,0 |
| **5822VE25** | 58 | 22 | M10X25 | 70,6 | 131,6 | 159,3 | 4,4 |
| **6025VE25** | 60 | 25 | M10X25 | 59,8 | 97,4 | 153,7 | 5,0 |
| **6030VE37** | 60 | 30 | M12X37 | 42,3 | 77,6 | 107,0 | 6,0 |
| **6036VE25** | 60 | 36 | M10X25 | 33,7 | 62,7 | 86,2 | 7,2 |
| **6036VE37** | 60 | 36 | M12X37 | 33,7 | 62,7 | 86,2 | 7,2 |
| **6040VE25** | 60 | 40 | M10X25 | 27,5 | 51,1 | 69,6 | 8,0 |
| **6040VE37** | 60 | 40 | M12X37 | 27,5 | 51,1 | 69,6 | 8,0 |
| **6045VE25** | 60 | 45 | M10X25 | 22,0 | 40,8 | 56,4 | 9,0 |
| **6045VE37** | 60 | 45 | M12X37 | 22,0 | 40,8 | 56,4 | 9,0 |
| **6050VE37** | 60 | 50 | M12X37 | 17,5 | 32,4 | 44,8 | 10,0 |
| **6055VE37** | 60 | 55 | M12X37 | 15,0 | 27,9 | 38,3 | 11,0 |
| **6535VE25** | 65 | 35 | M10X25 | 39,7 | 73,9 | 102,4 | 7,0 |
| **6545VE37** | 65 | 45 | M12X37 | 23,5 | 43,6 | 60,4 | 9,0 |
| **6550VE37** | 65 | 50 | M12X37 | 17,7 | 32,5 | 45,1 | 10,0 |

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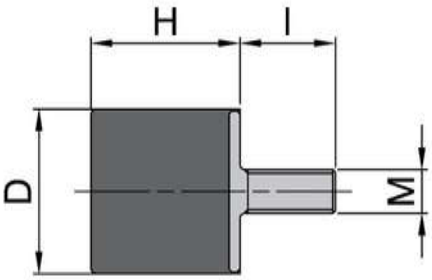


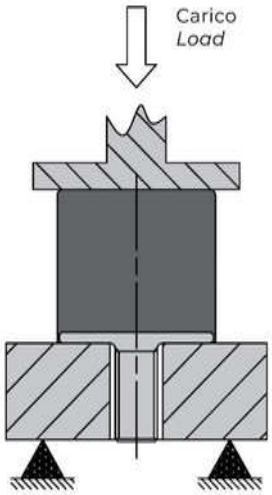


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|---|---|---|---|---|---|---|---|
| **7030VE25** | 70 | 30 | M10X25 | 65,5 | 122,0 | 167,6 | 6,0 |
| **7030VE37** | 70 | 30 | M12X37 | 65,5 | 122,0 | 167,6 | 6,0 |
| **7035VE25** | 70 | 35 | M10X25 | 47,7 | 95,1 | 130,9 | 7,0 |
| **7035VE37** | 70 | 35 | M12X37 | 47,7 | 95,1 | 130,9 | 7,0 |
| **7040VE25** | 70 | 40 | M10X25 | 37,7 | 70,2 | 97,0 | 8,0 |
| **7040VE37** | 70 | 40 | M12X37 | 37,7 | 70,2 | 97,0 | 8,0 |
| **7045VE25** | 70 | 45 | M10X25 | 29,6 | 55,0 | 73,9 | 9,0 |
| **7045VE37** | 70 | 45 | M12X37 | 29,6 | 55,0 | 73,9 | 9,0 |
| **7050VE25** | 70 | 50 | M10X25 | 23,6 | 44,3 | 61,3 | 10,0 |
| **7050VE37** | 70 | 50 | M12X37 | 23,6 | 44,3 | 61,3 | 10,0 |
| **7060VE25** | 70 | 60 | M10X25 | 19,5 | 35,7 | 49,3 | 12,0 |
| **7060VE37** | 70 | 60 | M12X37 | 19,5 | 35,7 | 49,3 | 12,0 |
| **7070VE25** | 70 | 70 | M10X25 | 15,8 | 29,0 | 40,1 | 14,0 |
| **7070VE37** | 70 | 70 | M12X37 | 15,8 | 29,0 | 40,1 | 14,0 |
| **7525VE37** | 75 | 25 | M12X37 | 107,6 | 204,0 | 280,8 | 5,0 |
| **7530VE37** | 75 | 30 | M12X37 | 89,3 | 166,2 | 229,5 | 6,0 |
| **7540VE37** | 75 | 40 | M12X37 | 40,6 | 91,4 | 124,8 | 8,0 |

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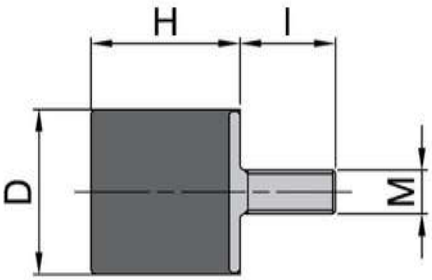


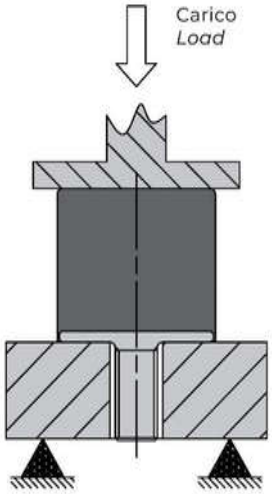


| Codice *Item* | D | H | M x I | Rigidezza *Stiffness* 45 IRHD (Kg/mm) | Rigidezza *Stiffness* 60 IRHD (Kg/mm) | Rigidezza *Stiffness* 70 IRHD (Kg/mm) | Deflessione massima *Max. deflection* (mm) |
|---|---|---|---|---|---|---|---|
| **7550VE37** | 75 | 50 | M12X37 | 30,2 | 56,2 | 77,6 | 10,0 |
| **7555VE37** | 75 | 55 | M12X37 | 23,6 | 44,3 | 61,1 | 11,0 |
| **8030VE35** | 80 | 30 | M14X35 | 104,4 | 197,1 | 271,0 | 6,0 |
| **8040VE35** | 80 | 40 | M14X35 | 55,4 | 103,4 | 143,1 | 8,0 |
| **8050VE35** | 80 | 50 | M14X35 | 38,2 | 69,1 | 95,3 | 10,0 |
| **8060VE35** | 80 | 60 | M14X35 | 24,6 | 46,2 | 63,4 | 12,0 |
| **8070VE35** | 80 | 70 | M14X35 | 19,0 | 35,4 | 48,5 | 14,0 |
| **8080VE35** | 80 | 80 | M14X35 | 15,1 | 27,9 | 38,3 | 16,0 |
| **10030VE44** | 100 | 30 | M16X44 | 158,7 | 397,1 | 535,7 | 6,0 |
| **10040VE44** | 100 | 40 | M16X44 | 106,7 | 198,0 | 270,8 | 8,0 |
| **10050VE44** | 100 | 50 | M16X44 | 64,4 | 119,8 | 165,6 | 10,0 |
| **10055VE44** | 100 | 55 | M16X44 | 53,9 | 101,9 | 138,5 | 11,0 |
| **10060VE44** | 100 | 60 | M16X44 | 44,0 | 81,4 | 112,3 | 12,0 |
| **100100VE44** | 100 | 100 | M16X44 | 16,8 | 31,2 | 43,0 | 20,0 |