

Rubber Metal Buffers • cylindrical

EH 25150.



Product Description

To be used for elastic bearing of motors, compressors, pumps etc.
The hardness is $55 \pm 5^\circ$ shore A. Further shore hardnesses ($40 \pm 5^\circ$ shore A and $70 \pm 5^\circ$ shore A) on request.

Material

Support washer

- Steel, zinc-plated, blue chromated

Threaded bushing

- Steel, zinc-plated, blue chromated

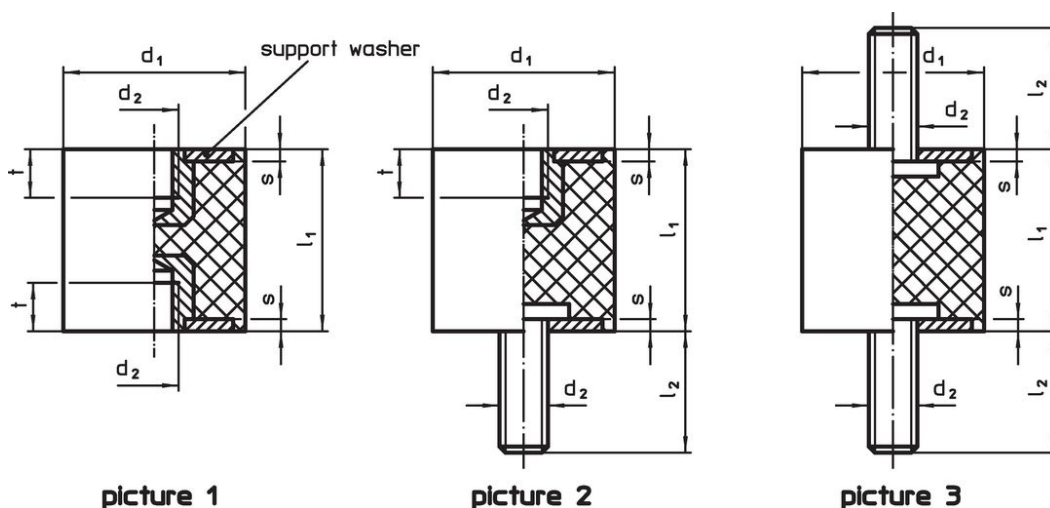
Body

- Rubber natural caoutchouc (NR), black

Screw



- Steel, zinc-plated, blue chromated

Drawing



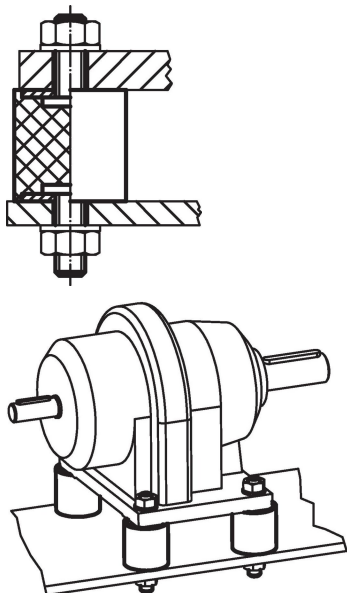
Order information

| Dimensions | | | | | | Spring rate R | Load capacity max. | Spring range | Temperature | | Weight | Art. No. |
|---|--------------------|-------|-------|-----|-----|---------------|--------------------|--------------|--------------|------|--------|----------------------------|
| d_1 ± 1.5 | l_1 ± 1.5 | d_2 | l_2 | s | t | ~ [N/mm] | [N] | ~ [mm] | min. max. | [°C] | [g] | |
| [mm] | | | | | | | | | [°C] | | | |
| with female thread, on both sides – picture 1 | | | | | | | | | | | | |
| 8 | 8 | M 3 | – | 1.0 | 3.0 | 38 | 75 | 2.00 | -30 | 80 | 1.0 | 25150.0003 |
| 10 | 10 | M 4 | – | 1.2 | 4.0 | 36 | 90 | 2.50 | -30 | 80 | 2.5 | 25150.0006 |
| 10 | 15 | M 4 | – | 1.2 | 4.0 | 17 | 65 | 3.75 | -30 | 80 | 2.9 | 25150.0007 |
| 15 | 10 | M 4 | – | 1.4 | 4.0 | 80 | 200 | 2.50 | -30 | 80 | 5.2 | 25150.0008 |
| 15 | 15 | M 4 | – | 1.4 | 4.0 | 36 | 135 | 3.75 | -30 | 80 | 6.2 | 25150.0009 |
| 15 | 20 | M 4 | – | 1.4 | 4.0 | 30 | 152 | 5.00 | -30 | 80 | 7.4 | 25150.0010 |
| 20 | 15 | M 6 | – | 2.0 | 5.0 | 95 | 355 | 3.75 | -30 | 80 | 13.0 | 25150.0021 |
| 20 | 20 | M 6 | – | 2.0 | 5.0 | 53 | 267 | 5.00 | -30 | 80 | 14.0 | 25150.0022 |
| 20 | 25 | M 6 | – | 2.0 | 5.0 | 50 | 315 | 6.25 | -30 | 80 | 16.0 | 25150.0023 |
| 25 | 20 | M 6 | – | 2.0 | 5.0 | 121 | 605 | 5.00 | -30 | 80 | 22.0 | 25150.0026 |
| 25 | 25 | M 6 | – | 2.0 | 5.0 | 85 | 530 | 6.25 | -30 | 80 | 30.0 | 25150.0027 |
| 25 | 30 | M 6 | – | 2.0 | 5.0 | 77 | 575 | 7.50 | -30 | 80 | 30.0 | 25150.0028 |
| 30 | 30 | M 8 | – | 2.0 | 6.5 | 114 | 855 | 7.50 | -30 | 80 | 50.0 | 25150.0031 |
| 30 | 40 | M 8 | – | 2.0 | 6.5 | 76 | 757 | 10.00 | -30 | 80 | 50.0 | 25150.0032 |
| 40 | 30 | M 8 | – | 2.0 | 6.5 | 205 | 1535 | 7.50 | -30 | 80 | 80.0 | 25150.0041 |
| 40 | 40 | M 8 | – | 2.0 | 6.5 | 164 | 1635 | 10.00 | -30 | 80 | 100.0 | 25150.0042 |
| 50 | 30 | M10 | – | 2.0 | 7.0 | 343 | 2570 | 7.50 | -30 | 80 | 130.0 | 25150.0051 |

| Dimensions | | | | | | Spring rate R | Load capacity max. | Spring range |  min. max. [°C] | |  [g] | Art. No. |
|---|------------------------|----------------|----------------|-----|-----|---------------|--------------------|--------------|--|----|--|------------|
| d ₁ ±1.5 | l ₁ ±1.5 | d ₂ | l ₂ | s | t | [N/mm] | [N] | [mm] | | | | |
| [mm] | | | | | | | | | | | | |
| 50 | 40 | M10 | - | 2.0 | 7.0 | 245 | 2445 | 10.00 | -30 | 80 | 150.0 | 25150.0052 |
| 50 | 50 | M10 | - | 2.0 | 7.0 | 178 | 2225 | 12.50 | -30 | 80 | 166.0 | 25150.0053 |
| 60 | 30 | M10 | - | 2.0 | 7.0 | 453 | 3400 | 7.50 | -30 | 80 | 190.0 | 25150.0061 |
| 60 | 40 | M10 | - | 2.0 | 7.0 | 330 | 3300 | 10.00 | -30 | 80 | 220.0 | 25150.0062 |
| 70 | 45 | M10 | - | 3.0 | 7.0 | 356 | 4000 | 11.25 | -30 | 80 | 340.0 | 25150.0071 |
| 75 | 40 | M12 | - | 3.0 | 9.0 | 465 | 4650 | 10.00 | -30 | 80 | 360.0 | 25150.0076 |
| 75 | 55 | M12 | - | 3.0 | 9.0 | 327 | 4500 | 13.75 | -30 | 80 | 450.0 | 25150.0077 |
| with female thread and screw – picture 2 | | | | | | | | | | | | |
| 8 | 8 | M 3 | 6 | 1.0 | 3.0 | 38 | 75 | 2.00 | -30 | 80 | 1.2 | 25150.0103 |
| 10 | 10 | M 4 | 10 | 1.2 | 4.0 | 36 | 90 | 2.50 | -30 | 80 | 2.4 | 25150.0106 |
| 10 | 15 | M 4 | 10 | 1.2 | 4.0 | 17 | 65 | 3.75 | -30 | 80 | 2.8 | 25150.0107 |
| 15 | 10 | M 4 | 10 | 1.4 | 4.0 | 80 | 200 | 2.50 | -30 | 80 | 5.7 | 25150.0108 |
| 15 | 15 | M 4 | 10 | 1.4 | 4.0 | 35 | 130 | 3.75 | -30 | 80 | 6.6 | 25150.0109 |
| 15 | 20 | M 4 | 10 | 1.4 | 4.0 | 30 | 150 | 5.00 | -30 | 80 | 7.6 | 25150.0110 |
| 20 | 15 | M 6 | 18 | 2.0 | 5.0 | 95 | 355 | 3.75 | -30 | 80 | 15.0 | 25150.0121 |
| 20 | 20 | M 6 | 18 | 2.0 | 5.0 | 53 | 265 | 5.00 | -30 | 80 | 17.0 | 25150.0122 |
| 20 | 25 | M 6 | 18 | 2.0 | 5.0 | 50 | 315 | 6.25 | -30 | 80 | 18.0 | 25150.0123 |
| 25 | 15 | M 6 | 18 | 2.0 | 5.0 | 184 | 690 | 3.75 | -30 | 80 | 26.0 | 25150.0126 |
| 25 | 20 | M 6 | 18 | 2.0 | 5.0 | 121 | 605 | 5.00 | -30 | 80 | 26.0 | 25150.0127 |
| 25 | 30 | M 6 | 18 | 2.0 | 5.0 | 76 | 570 | 7.50 | -30 | 80 | 36.0 | 25150.0128 |
| 30 | 15 | M 8 | 20 | 2.0 | 6.5 | 143 | 535 | 3.75 | -30 | 80 | 41.0 | 25150.0131 |
| 30 | 30 | M 8 | 20 | 2.0 | 6.5 | 113 | 850 | 7.50 | -30 | 80 | 50.0 | 25150.0132 |
| 40 | 20 | M 8 | 23 | 2.0 | 6.5 | 302 | 1510 | 5.00 | -30 | 80 | 72.0 | 25150.0141 |
| 40 | 30 | M 8 | 23 | 2.0 | 6.5 | 204 | 1530 | 7.50 | -30 | 80 | 85.0 | 25150.0142 |
| 40 | 40 | M 8 | 23 | 2.0 | 6.5 | 163 | 1630 | 10.00 | -30 | 80 | 98.0 | 25150.0143 |
| 50 | 20 | M10 | 28 | 2.0 | 7.0 | 720 | 3600 | 5.00 | -30 | 80 | 115.0 | 25150.0151 |
| 50 | 30 | M10 | 28 | 2.0 | 7.0 | 343 | 2575 | 7.50 | -30 | 80 | 135.0 | 25150.0152 |
| 50 | 40 | M10 | 28 | 2.0 | 7.0 | 244 | 2440 | 10.00 | -30 | 80 | 160.0 | 25150.0153 |
| 50 | 50 | M10 | 28 | 2.0 | 7.0 | 176 | 2200 | 12.50 | -30 | 80 | 185.0 | 25150.0154 |
| 60 | 30 | M10 | 28 | 2.0 | 7.0 | 453 | 3400 | 7.50 | -30 | 80 | 200.0 | 25150.0161 |
| 60 | 40 | M10 | 28 | 2.0 | 7.0 | 333 | 3330 | 10.00 | -30 | 80 | 220.0 | 25150.0162 |
| 70 | 45 | M10 | 27 | 3.0 | 7.0 | 356 | 4000 | 11.25 | -30 | 80 | 372.0 | 25150.0171 |
| 75 | 40 | M12 | 37 | 3.0 | 9.0 | 460 | 4600 | 10.00 | -30 | 80 | 385.0 | 25150.0176 |
| 75 | 55 | M12 | 37 | 3.0 | 9.0 | 328 | 4510 | 13.75 | -30 | 80 | 453.0 | 25150.0177 |
| with screw, on both sides – picture 3 | | | | | | | | | | | | |
| 8 | 8 | M 3 | 6 | 1.0 | - | 35 | 70 | 2.00 | -30 | 80 | 1.4 | 25150.0203 |
| 10 | 10 | M 4 | 10 | 1.2 | - | 36 | 89 | 2.50 | -30 | 80 | 3.0 | 25150.0206 |
| 10 | 15 | M 4 | 10 | 1.2 | - | 16 | 60 | 3.75 | -30 | 80 | 3.5 | 25150.0207 |
| 15 | 10 | M 4 | 10 | 1.4 | - | 79 | 198 | 2.50 | -30 | 80 | 6.1 | 25150.0208 |
| 15 | 15 | M 4 | 10 | 1.4 | - | 33 | 125 | 3.75 | -30 | 80 | 7.1 | 25150.0209 |
| 15 | 20 | M 4 | 10 | 1.4 | - | 29 | 145 | 5.00 | -30 | 80 | 8.1 | 25150.0210 |
| 20 | 15 | M 6 | 18 | 2.0 | - | 94 | 352 | 3.75 | -30 | 80 | 18.0 | 25150.0221 |
| 20 | 20 | M 6 | 18 | 2.0 | - | 52 | 260 | 5.00 | -30 | 80 | 19.0 | 25150.0222 |
| 20 | 25 | M 6 | 18 | 2.0 | - | 50 | 310 | 6.25 | -30 | 80 | 20.0 | 25150.0223 |
| 25 | 15 | M 6 | 18 | 2.0 | - | 183 | 687 | 3.75 | -30 | 80 | 28.0 | 25150.0226 |
| 25 | 20 | M 6 | 18 | 2.0 | - | 120 | 602 | 5.00 | -30 | 80 | 32.0 | 25150.0227 |
| 25 | 30 | M 6 | 18 | 2.0 | - | 75 | 562 | 7.50 | -30 | 80 | 39.0 | 25150.0228 |
| 30 | 15 | M 8 | 20 | 2.0 | - | 142 | 534 | 3.75 | -30 | 80 | 45.0 | 25150.0231 |
| 30 | 30 | M 8 | 20 | 2.0 | - | 112 | 843 | 7.50 | -30 | 80 | 58.0 | 25150.0232 |
| 40 | 20 | M 8 | 23 | 2.0 | - | 300 | 1500 | 5.00 | -30 | 80 | 80.0 | 25150.0241 |
| 40 | 30 | M 8 | 23 | 2.0 | - | 204 | 1527 | 7.50 | -30 | 80 | 95.0 | 25150.0242 |
| 40 | 40 | M 8 | 23 | 2.0 | - | 162 | 1620 | 10.00 | -30 | 80 | 100.0 | 25150.0243 |
| 50 | 20 | M10 | 28 | 2.0 | - | 718 | 3589 | 5.00 | -30 | 80 | 130.0 | 25150.0251 |
| 50 | 30 | M10 | 28 | 2.0 | - | 343 | 2570 | 7.50 | -30 | 80 | 150.0 | 25150.0252 |
| 50 | 40 | M10 | 28 | 2.0 | - | 244 | 2436 | 10.00 | -30 | 80 | 170.0 | 25150.0253 |
| 50 | 50 | M10 | 28 | 2.0 | - | 176 | 2198 | 12.50 | -30 | 80 | 187.0 | 25150.0254 |
| 60 | 30 | M10 | 28 | 2.0 | - | 453 | 3400 | 7.50 | -30 | 80 | 210.0 | 25150.0261 |

| Dimensions | | | | | | Spring rate R ~ [N/mm] | Load capacity max. [N] | Spring range ~ [mm] | Temperature | | Weight [g] | Art. No. |
|------------------------|------------------------|----------------|----------------|-----|--------|------------------------------|------------------------------|---------------------------|-------------|------|---------------|----------------------------|
| d ₁ ±1.5 | l ₁ ±1.5 | d ₂ | l ₂ | s | t ~ | | | | min. | max. | | |
| [mm] | | | | | | [°C] | | | | | | |
| 60 | 40 | M10 | 28 | 2.0 | - | 330 | 3300 | 10.00 | -30 | 80 | 236.0 | 25150.0262 |
| 70 | 45 | M10 | 27 | 3.0 | - | 356 | 4000 | 11.25 | -30 | 80 | 380.0 | 25150.0271 |
| 75 | 40 | M12 | 37 | 3.0 | - | 450 | 4500 | 10.00 | -30 | 80 | 410.0 | 25150.0276 |
| 75 | 55 | M12 | 37 | 3.0 | - | 320 | 4400 | 13.75 | -30 | 80 | 515.0 | 25150.0277 |

Application example



Compliance

RoHS compliant

Contains lead - compliant according to exceptions 6a / 6b / 6c.

Contains SVHC substances >0,1% w/w

Contains lead - SVHC list [REACH] as of 27.06.2024.

Contains Proposition 65 substances



Lead can cause cancer and reproductive harm from exposure
<https://www.P65Warnings.ca.gov/>

Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.