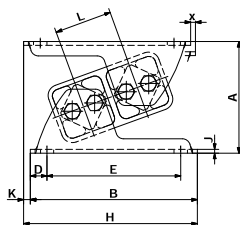
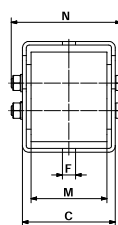


# Vibration damper

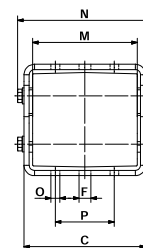
## ESL



sizes 15 to 45



from size 50



| Part no.   | Type       | Load<br>$G_{min.} - G_{max.}$<br>[N] on Z-axis | A<br>unloaded | A*<br>max. load | B   | C   | D    | E   | ø F  |
|------------|------------|------------------------------------------------|---------------|-----------------|-----|-----|------|-----|------|
| 05 021 001 | ESL 15     | 200–550                                        | 54            | 43              | 85  | 49  | 10   | 65  | 7    |
| 05 021 002 | ESL 18     | 450–1 250                                      | 65            | 51              | 105 | 60  | 12.5 | 80  | 9.5  |
| 05 021 003 | ESL 27     | 700–2 000                                      | 88            | 68              | 140 | 71  | 15   | 110 | 11.5 |
| 05 021 004 | ESL 38     | 1 300–3 800                                    | 117           | 91              | 175 | 98  | 17.5 | 140 | 14   |
| 05 021 005 | ESL 45     | 2 200–6 000                                    | 143           | 110             | 220 | 120 | 25   | 170 | 18   |
| 05 021 016 | ESL 50     | 4 000–11 000                                   | 170           | 138             | 235 | 142 | 25   | 185 | 18   |
| 05 021 017 | ESL 50-1.6 | 5 500–15 000                                   | 170           | 138             | 235 | 186 | 25   | 185 | 18   |
| 05 021 018 | ESL 50-2   | 7 000–19 000                                   | 170           | 138             | 235 | 226 | 25   | 185 | 18   |

| Part no.   | Type       | H   | J   | K   | L    | M   | N    | O    | P  | x max. | Weight<br>[kg] | Natural frequency<br>$G_{min.} - G_{max.}$<br>[Hz] | Material structure                                                               |
|------------|------------|-----|-----|-----|------|-----|------|------|----|--------|----------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| 05 021 001 | ESL 15     | 91  | 2   | 5.5 | 25.5 | 40  | 58.5 | —    | —  | 1.5    | 0.3            | 8.2–5.8                                            | Aluminium profiles,<br>steel brackets,<br>painted blue,<br>zinc-plated couplings |
| 05 021 002 | ESL 18     | 111 | 2.5 | 5.5 | 31   | 50  | 69   | —    | —  | 1.9    | 0.6            | 7.5–5.0                                            |                                                                                  |
| 05 021 003 | ESL 27     | 148 | 3   | 8   | 44   | 60  | 85.3 | —    | —  | 2.7    | 1.3            | 6.2–4.5                                            |                                                                                  |
| 05 021 004 | ESL 38     | 182 | 4   | 7   | 60   | 80  | 117  | —    | —  | 3.6    | 3.1            | 5.5–4.0                                            |                                                                                  |
| 05 021 005 | ESL 45     | 235 | 5   | 15  | 73   | 100 | 138  | —    | —  | 4.4    | 5.9            | 5.0–3.5                                            |                                                                                  |
| 05 021 016 | ESL 50     | 244 | 6   | 9   | 78   | 120 | 162  | 13.5 | 90 | 10     | 8.4            | 5.0–3.5                                            |                                                                                  |
| 05 021 017 | ESL 50-1.6 | 244 | 8   | 9   | 78   | 160 | 206  | 13.5 | 90 | 10     | 10.4           | 5.0–3.5                                            |                                                                                  |
| 05 021 018 | ESL 50-2   | 244 | 8   | 9   | 78   | 200 | 246  | 13.5 | 90 | 10     | 14.0           | 5.0–3.5                                            |                                                                                  |

\* compression load  $G_{max.}$  and cold flow compensation (after approx. 1 year).

If no other units are specified, the numbers given are in mm.

The sizes 50 to 50-2 can be combined with one another (identical heights and operation behaviour).

The max. load on X-axis should not exceed 200% of the Z-axis capacity.

The max. load on Y-axis should not exceed 20% of the Z-axis capacity.

Applicable on tensile, pressure and shear load.