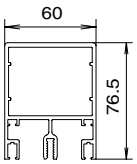
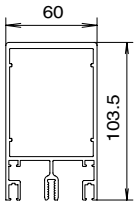
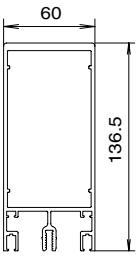
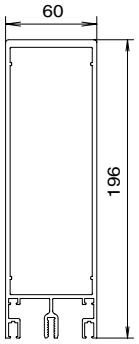
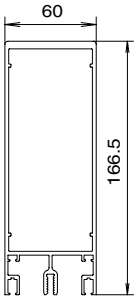
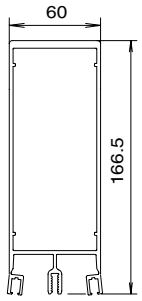
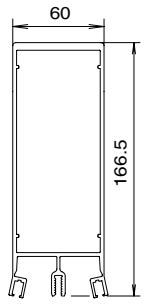
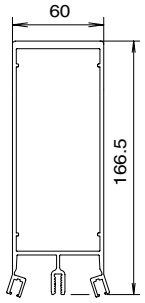
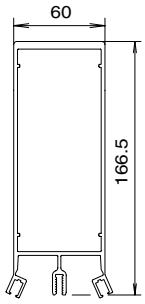
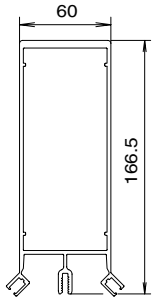
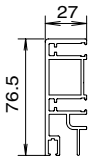
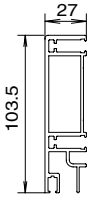
HUECK HARTMANN

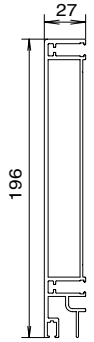
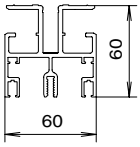
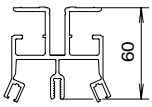
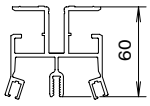
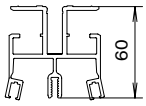
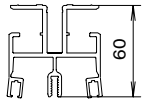
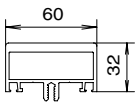
## Profile overview and static profile values series 1.0 VF 60

| | Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|---|
|   | **523 101** | 56.3 | 14.7 | 42.7 | 14.2 | 524 | **11 / 21** |
|   | **523 102** | 135.7 | 26.2 | 51.1 | 17.0 | 578 | **11 / 21** |
|   | **523 103** | 298.1 | 42.7 | 64.2 | 21.4 | 644 | **11 / 21** |
|   | **523 104** | 803.0 | 80.2 | 106.6 | 35.5 | 763 | **11 / 21** |
|   | **523 105** | 491.2 | 58.4 | 74.7 | 24.9 | 704 | **11 / 21** |
|   | **523 120** | – | – | – | – | 681 | **11** |

HUECK HARTMANN

## Profile overview and static profile values series 1.0 VF 60

| | Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|---|
|  | **523 121** | – | – | – | – | 681 | **11** |
|  | **523 122** | – | – | – | – | 681 | **11** |
|  | **523 123** | – | – | – | – | 681 | **11** |
|  | **523 125** | – | – | – | – | 677 | **11/27** |
|  | **523 131** | 30.9 | 7.4 | 4.8 | 3.0 | 443 | **11** |
|  | **523 132** | 74.1 | 13.6 | 6.3 | 3.9 | 497 | **11/29** |

| | Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|---|
| | **523 133** | 162.0 | 23.2 | 8.2 | 5.1 | 563 | **11** |
|  | **523 134** | 442.3 | 44.9 | 11.5 | 7.1 | 682 | **11** |
| | **523 137** | 281.7 | 33.5 | 9.9 | 6.1 | 623 | **11** |
|  | **423 140** | 26.3 | 8.6 | 30.1 | 10.0 | 733 | **12/23** |
|  | **423 141** | – | – | – | – | 706 | **12/25** |
|  | **423 142** | – | – | – | – | 706 | **12** |
|  | **423 143** | – | – | – | – | 706 | **12** |
|  | **423 144** | – | – | – | – | 706 | **12** |
|  | **523 300** | 9.8 | 4.0 | 25.0 | 8.3 | 282 | **12/38** |

HUECK HARTMANN

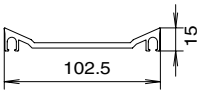
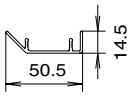
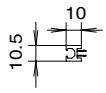
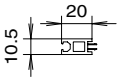
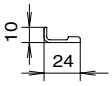
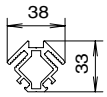
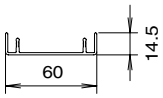
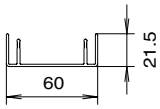
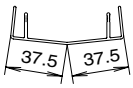
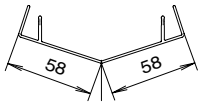
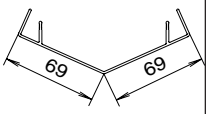
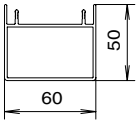
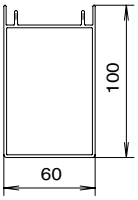
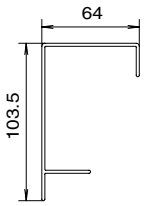
## Profile overview and static profile values series 1.0 VF 60

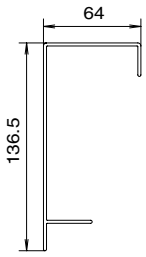
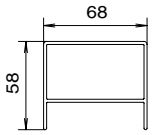
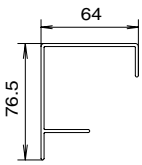
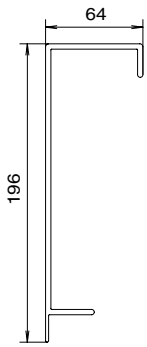
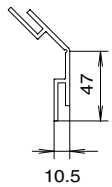
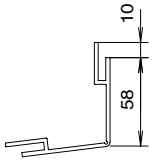
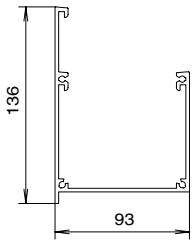
| Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|
| **523 301** | 55.0 | 13.0 | 35.9 | 11.9 | 365 | **12/30** |
| **523 302** | 116.6 | 21.5 | 46.2 | 15.4 | 419 | **12** |
| **523 303** | 232.6 | 32.5 | 58.9 | 19.6 | 485 | **12** |
| **523 312** | – | – | – | – | 331 | **12** |
| **423 400** | – | – | – | – | 184 | **13/21** |
| **423 401** | – | – | – | – | 179 | **13** |
| **523 403** | – | – | – | – | 141 | **13/30** |
| **523 420** | – | – | – | – | 249 | **13** |
| **523 421** | – | – | – | – | 269 | **13** |
| **423 603** | – | – | – | – | 181 | **13/26** |
| **423 606** | – | – | – | – | 330 | **13** |
| **423 607** | – | – | – | – | 362 | **13** |
| **423 610** | – | – | – | – | 396 | **13/24** |

| Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|
| **523 910** | – | – | – | – | 308 | **15/26** |
| **419 135** | 4.8 | 1.6 | 1.3 | 0.7 | 301 | **15/29** |
| **419 136** | 0.4 | 0.2 | 1.0 | 0.5 | 119 | **15/29** |
| **519 180** | 73.6 | 18.8 | 73.6 | 18.8 | 692 | **12/28** |
| **519 320** | – | – | – | – | 244 | **12/32** |
| **519 321** | – | – | – | – | 245 | **12/32** |
| **419 401** | – | – | – | – | 159 | **13/36** |
| **419 403** | – | – | – | – | 158 | **13/32** |
| **419 405** | – | – | – | – | 209 | **13** |
| **419 406** | – | – | – | – | 230 | **13** |
| **419 407** | – | – | – | – | 250 | **13** |
| **419 408** | – | – | – | – | 266 | **13** |
| **419 410** | – | – | – | – | 268 | **13/24** |
| **423 430** | – | – | – | – | 226 | **13** |
| **423 600** | – | – | – | – | 175 | **13** |
| **423 601** | – | – | – | – | 207 | **13** |

HUECK HARTMANN

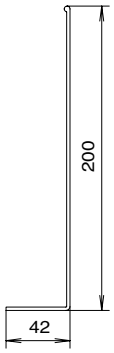
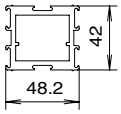
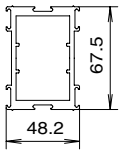
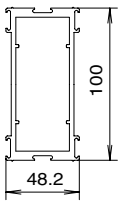
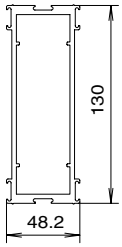
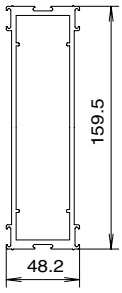
## Profile overview and static profile values series 1.0 VF 60

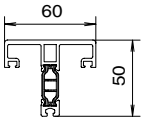
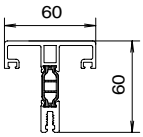
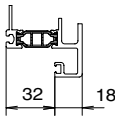
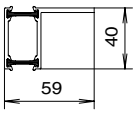
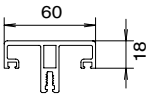
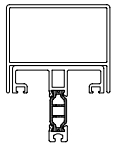
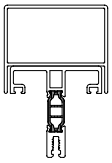
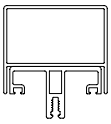
| | Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|---|
|   | **419411** | – | – | – | – | 294 | **13** |
|   | **419603** | – | – | – | – | 172 | **13/35** |
|   | **419900** | – | – | – | – | 84 | **12** |
|   | **519901** | – | – | – | – | 104 | **12** |
|   | **419902** | – | – | – | – | 67 | **16/51** |
|   | **519915** | – | – | – | – | 221 | **15** |
|   | **460600** | – | – | – | – | 210 | **13/30** |
|   | **460601** | – | – | – | – | 265 | **13/21** |
|   | **460606** | – | – | – | – | 300 | **13** |
|   | **460608** | – | – | – | – | 380 | **13** |
|   | **460611** | – | – | – | – | 422 | **13** |
|   | **560612** | – | – | – | – | 285 | **14** |
|   | **560613** | – | – | – | – | 381 | **14** |
|   | **460700** | 54.5 | 8.3 | 21.0 | 4.5 | 430 | **14** |

| | Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|---|
|   | **460702** | 113.1 | 13.5 | 22.6 | 4.7 | 496 | **14** |
|   | **560703** | 16.5 | 4.9 | 33.7 | 9.9 | 284 | **14** |
|   | **460704** | 24.1 | 4.8 | 19.2 | 4.4 | 376 | **14** |
|   | **460705** | 458.9 | 38.9 | 40.0 | 7.9 | 608 | **14** |
|   | **460902** | – | – | – | – | 283 | **14/34** |
| | **460903** | – | – | – | – | 72 | **15/23** |
|   | **460909** | – | – | – | – | 363 | **14/40** |
|   | **460910** | – | – | – | – | 724 | **14** |

HUECK HARTMANN

## Profile overview and static profile values series 1.0 VF 60

| | Profile number | Horizontal axis $J_x$ [cm⁴] | Horizontal axis $W_x$ [cm³] | Vertical axis $J_y$ [cm⁴] | Vertical axis $W_y$ [cm³] | Total Perimeter mm | Page 1.0 VF 60 |
|---|---|---|---|---|---|---|---|
|   | **460 911** | – | – | – | – | 483 | **14** |
| | **599 183** | – | – | – | – | 40 | **46** |
|   | **599 606** | 16.4 | 7.6 | 17.5 | 7.2 | 248 | **47** |
|   | **599 607** | 53.7 | 15.7 | 23.3 | 9.6 | 299 | **47** |
|   | **599 608** | 142.0 | 28.1 | 30.5 | 12.6 | 364 | **47** |
|   | **599 609** | 272.3 | 41.5 | 37.0 | 15.3 | 424 | **47** |
|   | **599 610** | 454.2 | 56.6 | 43.5 | 18.0 | 483 | **47** |

| | Profile number | Horizontal axis $J_{xid}$ [cm⁴] | Vertical axis $J_y$ [cm⁴] | External perimeter excluding insulation zone | Page 1.0 VF 60 |
|---|---|---|---|---|---|
|   | **523 310** | 8.0 | 13.0 | 314 | **12/35** |
|   | **523 311** | 10.0 | 13.0 | 357 | **12** |
|   | **419 371** | – | – | 275 | **12/39** |
|   | **560 913** | – | – | 184 | **15** |
|   | **523 312** | 4.9 | 13.0 | 331 | **12/35** |
|  | **560 703** + **523 310** | 16.5<br>8.0 | 33.7<br>13.0 | –<br>– | **–** |
|  | **560 703** + **523 311** | 16.5<br>10.0 | 33.7<br>13.0 | –<br>– | **–** |
|  | **560 703** + **523 312** | 16.5<br>4.9 | 33.7<br>13.0 | –<br>– | **–** |