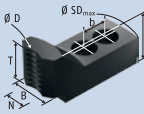
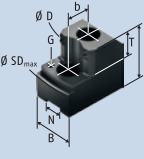


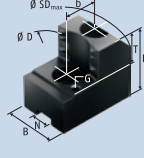
### Claw jaws For bar clamping

|                                                                                   | Clamping range ØD | Swing diameter SDmax | Description | ID      | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Screws | Material | m/set [kg] |
|-----------------------------------------------------------------------------------|-------------------|----------------------|-------------|---------|--------|--------|--------|--------|--------|--------|----------|------------|
|  | 31 - 75           | 280                  | SZA-ST 25-2 | 0175103 | 21     | 45     | 50     | 40     | 28     | M16    | Steel    | 2.7        |
|                                                                                   | 20 - 45           | 287                  | SZA-ST 31-1 | 0175104 | 21     | 45     | 50     | 40     | 28     | M16    | Steel    | 3.3        |

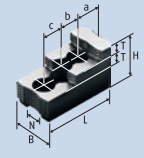
### Claw jaws for I.D. clamping

|                                                                                   | Clamping range ØD | Swing diameter SDmax | Description | ID      | N [mm] | B [mm] | H [mm] | T [mm] | G  | b [mm] | Screws | Material | m/set [kg] |
|-----------------------------------------------------------------------------------|-------------------|----------------------|-------------|---------|--------|--------|--------|--------|----|--------|--------|----------|------------|
|  | 91 - 134          | 285                  | SZI 25-34   | 0123183 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.5        |
|                                                                                   | 132 - 176         | 288                  | SZI 25-35   | 0123184 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.2        |
|                                                                                   | 177 - 221         | 287                  | SZI 25-36   | 0123185 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3          |
|                                                                                   | 80 - 105          | 295                  | SZI 31-11   | 0123186 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 4.1        |
|                                                                                   | 127 - 158         | 287                  | SZI 31-12   | 0123187 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 4.2        |
|                                                                                   | 187 - 232         | 287                  | SZI 31-13   | 0123188 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.9        |

### Claw jaws for O.D. clamping

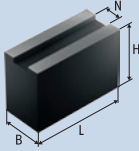
|                                                                                     | Clamping range ØD | Swing diameter SDmax | Description | ID      | N [mm] | B [mm] | H [mm] | T [mm] | G  | b [mm] | Screws | Material | m/set [kg] |
|-------------------------------------------------------------------------------------|-------------------|----------------------|-------------|---------|--------|--------|--------|--------|----|--------|--------|----------|------------|
|  | 62 - 106          | 278                  | SZA 25-37   | 0138180 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.3        |
|                                                                                     | 101 - 146         | 279                  | SZA 25-38   | 0138181 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 2.9        |
|                                                                                     | 151 - 195         | 282                  | SZA 25-39   | 0138182 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 2.7        |
|                                                                                     | 198 - 242         | 317                  | SZA 25-40   | 0138183 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.2        |
|                                                                                     | 46 - 83           | 288                  | SZA 31-10   | 0138184 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.4        |
|                                                                                     | 97 - 141          | 290                  | SZA 31-11   | 0138185 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.4        |
|                                                                                     | 162 - 207         | 288                  | SZA 31-12   | 0138186 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 3.2        |
|                                                                                     | 225 - 270         | 348                  | SZA 31-13   | 0138187 | 21     | 50     | 58     | 25     | M8 | 28     | M16    | Steel    | 4.5        |

### Hard Stepped Top Jaws

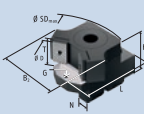
|                                                                                     | Description | ID      | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Screws | Material | m/set [kg] |
|-------------------------------------------------------------------------------------|-------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------------|
|  | SHB 250     | 0121105 | 21     | 50     | 58     | 103.5  | 14     | 34     | 25     | 25     | M16    | Steel    | 3.5        |
|                                                                                     | SHB 315     | 0121111 | 21     | 50     | 58     | 128    | 14     | 46     | 30     | 30     | M16    | Steel    | 4.6        |



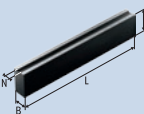
### Jaw blanks

|                                                                                   | Description | ID      | N<br>[mm] | B<br>[mm] | H<br>[mm] | L<br>[mm] | Min. distance<br>a<br>[mm] | Min. distance<br>b<br>[mm] | Screws | Material | m/piece<br>[kg] |
|-----------------------------------------------------------------------------------|-------------|---------|-----------|-----------|-----------|-----------|----------------------------|----------------------------|--------|----------|-----------------|
|  | SBM 41      | 0112112 | 21        | 50        | 60        | 90        | 15                         | 28                         | M16    | Steel    | 2.1             |
|                                                                                   | SBM 42      | 0112113 | 21        | 50        | 60        | 105       | 15                         | 28                         | M16    | Steel    | 2.4             |
|                                                                                   | SBM 4210    | 0112115 | 21        | 50        | 100       | 120       | 15                         | 28                         | M16    | Steel    | 5               |
|                                                                                   | SBM 4212    | 0112116 | 21        | 50        | 120       | 120       | 15                         | 28                         | M16    | Steel    | 5.6             |
|                                                                                   | SBM 4215    | 0112117 | 21        | 50        | 150       | 120       | 15                         | 28                         | M16    | Steel    | 7               |
|                                                                                   | SBM 428     | 0112114 | 21        | 50        | 80        | 120       | 15                         | 28                         | M16    | Steel    | 3.7             |
|                                                                                   | SBM 4281    | 0112137 | 21        | 50        | 80        | 150       | 15                         | 28                         | M16    | Steel    | 4.6             |
|                                                                                   | SBM 43      | 0112118 | 21        | 60        | 60        | 90        | 15                         | 28                         | M16    | Steel    | 2.4             |
|                                                                                   | SBM 44      | 0112119 | 21        | 60        | 60        | 105       | 15                         | 28                         | M16    | Steel    | 2.9             |
|                                                                                   | SBM 45      | 0112120 | 21        | 60        | 80        | 90        | 15                         | 28                         | M16    | Steel    | 3.2             |
|                                                                                   | SBM 46      | 0112121 | 21        | 60        | 80        | 105       | 15                         | 28                         | M16    | Steel    | 3.8             |
|                                                                                   | SBM 47      | 0112122 | 21        | 60        | 80        | 120       | 15                         | 28                         | M16    | Steel    | 4.4             |
|                                                                                   | SBM 48      | 0112123 | 21        | 80        | 60        | 90        | 15                         | 28                         | M16    | Steel    | 3.2             |
|                                                                                   | SBM 498     | 0112125 | 21        | 80        | 80        | 120       | 15                         | 28                         | M16    | Steel    | 5.8             |

### Pendulum jaws

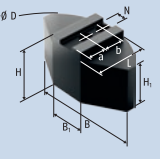
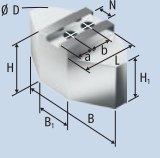
|                                                                                     | Clamping<br>range ØD | Swing<br>diameter<br>SDmax | Description       | ID      | H<br>[mm] | T<br>[mm] | m/piece<br>[kg] |
|-------------------------------------------------------------------------------------|----------------------|----------------------------|-------------------|---------|-----------|-----------|-----------------|
|  | 85 - 115             | 277                        | PNS-Z<br>250-21-2 | 0190106 | 64        | 35        | 2               |
|                                                                                     | 89 - 113             | 277                        | PNS-Z<br>250-21-3 | 0190107 | 64        | 35        | 2.1             |
|                                                                                     | 141 - 171            | 295                        | PNS-Z<br>250-21-4 | 0190108 | 64        | 35        | 2.3             |
|                                                                                     | 150 - 180            | 295                        | PNS-Z<br>250-21-5 | 0190109 | 64        | 35        | 2.3             |
|                                                                                     | 69 - 99              | 277                        | PNS-Z 315-1       | 0190110 | 64        | 35        | 2               |
|                                                                                     | 97 - 113             | 277                        | PNS-Z 315-2       | 0190111 | 64        | 35        | 2.3             |
|                                                                                     | 146 - 176            | 295                        | PNS-Z 315-3       | 0190112 | 64        | 35        | 2.5             |
|                                                                                     | 163 - 186            | 297                        | PNS-Z 315-4       | 0190113 | 64        | 35        | 2.7             |

### Serrated bars

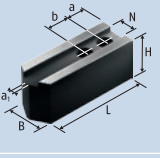
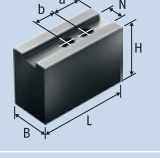
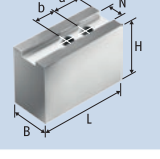
|                                                                                     | Description | ID      | N<br>[mm] | B<br>[mm] | H<br>[mm] | L<br>[mm] | Material | m/piece<br>[kg] |
|-------------------------------------------------------------------------------------|-------------|---------|-----------|-----------|-----------|-----------|----------|-----------------|
|  | SBM-ST 210  | 0112180 | 21        | 50        | 60        | 420       | Steel    | 9.4             |
|                                                                                     | SBM-ST 211  | 0112181 | 21        | 50        | 80        | 420       | Steel    | 12.7            |
|                                                                                     | SBM-ST 212  | 0112182 | 21        | 50        | 120       | 420       | Steel    | 19.3            |
|                                                                                     | SBM-ST 213  | 0112183 | 21        | 80        | 80        | 420       | Steel    | 20.4            |
|  | SBM-STA 210 | 0112184 | 21        | 50        | 80        | 420       | Aluminum | 4.6             |



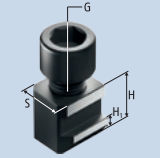
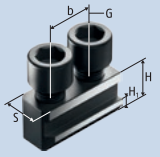
### Soft Full Grip Jaws

|                                                                                   | Description   | ID      | N<br>[mm] | B<br>[mm] | B1<br>[mm] | Ø D<br>[mm] | H<br>[mm] | H1<br>[mm] | L<br>[mm] | a<br>[mm] | b<br>[mm] | Screws | Material | m/set<br>[kg] |
|-----------------------------------------------------------------------------------|---------------|---------|-----------|-----------|------------|-------------|-----------|------------|-----------|-----------|-----------|--------|----------|---------------|
|  | SWB-SM 250-21 | 0169103 | 21        | 180       | 104        | 250         | 70        | 55         | 80        | 30        | 28        | M16    | Steel    | 14            |
|                                                                                   | SWB-SM 251    | 0169107 | 21        | 180       | 104        | 250         | 100       | 85         | 80        | 30        | 28        | M16    | Steel    | 21.7          |
|                                                                                   | SWB-SM 315    | 0169104 | 21        | 240       | 120        | 320         | 70        | 55         | 110       | 60        | 28        | M16    | Steel    | 26.6          |
|  | SWB-SA 250-21 | 0170103 | 21        | 180       | 70         | 250         | 78        | 63         | 87.5      | 40        | 28        | M16    | Aluminum | 7.3           |
|                                                                                   | SWB-SA 251    | 0170107 | 21        | 180       | 70         | 250         | 100       | 85         | 87.5      | 40        | 28        | M16    | Aluminum | 8.3           |
|                                                                                   | SWB-SA 315    | 0170104 | 21        | 240       | 80         | 320         | 78        | 63         | 117       | 70        | 28        | M16    | Aluminum | 12            |

### Soft Top Jaws

|                                                                                     | Description | ID      | N<br>[mm] | B<br>[mm] | H<br>[mm] | L<br>[mm] | a1<br>[mm] | a<br>[mm] | b<br>[mm] | Screws | Material | m/set<br>[kg] |
|-------------------------------------------------------------------------------------|-------------|---------|-----------|-----------|-----------|-----------|------------|-----------|-----------|--------|----------|---------------|
|    | SWBL 250-21 | 0120155 | 21        | 50        | 50        | 120       | 4          | 20        | 28        | M16    | Steel    | 5.6           |
|                                                                                     | SWBL 315    | 0120156 | 21        | 50        | 50        | 140       | 4          | 30        | 28        | M16    | Steel    | 6.5           |
|   | 2 SWK 200   | 0126102 | 21        | 80        | 80        | 95        |            | 22        | 28        | M16    | Steel    | 8.2           |
|                                                                                     | CWB 251     | 0100012 | 21        | 50        | 60        | 95        |            | 15        | 28        | M16    | Steel    | 5.2           |
|                                                                                     | SWB 250     | 0120105 | 21        | 50        | 80        | 120       |            | 30        | 28        | M16    | Steel    | 9.4           |
|                                                                                     | SWB-FR 315  | 0120406 | 21        | 50        | 60        | 105       |            | 15        | 25        | M16    | Steel    | 6             |
|  | SWB-AL 250  | 0168102 | 21        | 50        | 80        | 120       |            | 30        | 28        | M16    | Aluminum | 3             |

### T-nut

|                                                                                     | Description | ID      | S<br>[mm] | H<br>[mm] | H1<br>[mm] | b<br>[mm] | G   | Cyl.-screw | Max. adm. tightening torque<br>[Nm] |
|-------------------------------------------------------------------------------------|-------------|---------|-----------|-----------|------------|-----------|-----|------------|-------------------------------------|
|  | NKS 3       | 0143107 | 21        | 26.5      | 10         |           | M16 | M16 x 35   | 150                                 |
|  | NKA 3       | 0145105 | 21        | 26.5      | 10         | 28        | M16 | M16 x 35   | 150                                 |

