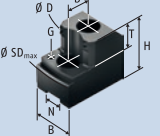


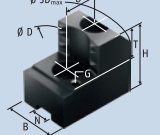
### Claw jaws For bar clamping

|                                                                                   | Clamping range ØD | Swing diameter SDmax | Description | ID      | N [mm] | B [mm] | H [mm] | T [mm] | b [mm] | Screws | Material | m/set [kg] |
|-----------------------------------------------------------------------------------|-------------------|----------------------|-------------|---------|--------|--------|--------|--------|--------|--------|----------|------------|
|  | 25 - 65           | 229                  | SZA-ST 20-1 | 0175101 | 17     | 35     | 45     | 35     | 22     | M12    | Steel    | 1.5        |

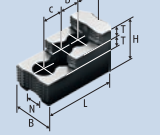
### Claw jaws for I.D. clamping

|                                                                                   | Clamping range ØD | Swing diameter SDmax | Description | ID      | N [mm] | B [mm] | H [mm] | T [mm] | G  | b [mm] | Screws | Material | m/set [kg] |
|-----------------------------------------------------------------------------------|-------------------|----------------------|-------------|---------|--------|--------|--------|--------|----|--------|--------|----------|------------|
|  | 74 - 114          | 227                  | SZI 20-10   | 0123164 | 17     | 35     | 50     | 20     | M6 | 22     | M12    | Steel    | 1.6        |
|                                                                                   | 102 - 142         | 227                  | SZI 20-11   | 0123165 | 17     | 40     | 50     | 20     | M6 | 22     | M12    | Steel    | 2          |
|                                                                                   | 133 - 174         | 227                  | SZI 20-12   | 0123166 | 17     | 40     | 50     | 20     | M6 | 22     | M12    | Steel    | 1.7        |

### Claw jaws for O.D. clamping

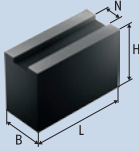
|                                                                                    | Clamping range ØD | Swing diameter SDmax | Description | ID      | N [mm] | B [mm] | H [mm] | T [mm] | G  | b [mm] | Screws | Material | m/set [kg] |
|------------------------------------------------------------------------------------|-------------------|----------------------|-------------|---------|--------|--------|--------|--------|----|--------|--------|----------|------------|
|  | 39 - 79           | 232                  | SZA 20-14   | 0138195 | 17     | 35     | 50     | 25     | M6 | 22     | M12    | Steel    | 1.8        |
|                                                                                    | 67 - 106          | 232                  | SZA 20-15   | 0138196 | 17     | 35     | 50     | 25     | M6 | 22     | M12    | Steel    | 1.5        |
|                                                                                    | 96 - 136          | 233                  | SZA 20-16   | 0138197 | 17     | 40     | 50     | 25     | M6 | 22     | M12    | Steel    | 1.5        |
|                                                                                    | 123 - 163         | 234                  | SZA 20-17   | 0138198 | 17     | 40     | 50     | 25     | M6 | 22     | M12    | Steel    | 1.6        |
|                                                                                    | 153 - 194         | 237                  | SZA 20-18   | 0138199 | 17     | 40     | 50     | 25     | M6 | 22     | M12    | Steel    | 1.8        |

### Hard Stepped Top Jaws

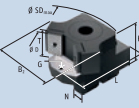
|                                                                                     | Description | ID      | N [mm] | B [mm] | H [mm] | L [mm] | T [mm] | a [mm] | b [mm] | c [mm] | Screws | Material | m/set [kg] |
|-------------------------------------------------------------------------------------|-------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------------|
|  | SHB 175     | 0121103 | 17     | 35     | 44     | 64.7   | 10     | 28     | 19     |        | M12    | Steel    | 1.2        |
|                                                                                     | SHB 200     | 0121104 | 17     | 40     | 49     | 72.5   | 12     | 18     | 19     | 19     | M12    | Steel    | 1.6        |
|                                                                                     | SHB 210     | 0121102 | 17     | 40     | 49     | 84.3   | 12     | 28.7   | 19     | 19     | M12    | Steel    | 2          |



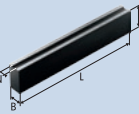
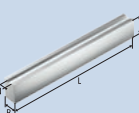
### Jaw blanks

|                                                                                   | 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 31      | 0112100 | 17        | 40        | 40        | 70        | 12                         | 22                         | M12    | Steel    | 0.9             |
|                                                                                   | SBM 32      | 0112101 | 17        | 40        | 40        | 90        | 12                         | 22                         | M12    | Steel    | 1.1             |
|                                                                                   | SBM 33      | 0112102 | 17        | 40        | 40        | 105       | 12                         | 22                         | M12    | Steel    | 1.2             |
|                                                                                   | SBM 34      | 0112103 | 17        | 40        | 60        | 70        | 12                         | 22                         | M12    | Steel    | 1.3             |
|                                                                                   | SBM 35      | 0112104 | 17        | 40        | 60        | 90        | 12                         | 22                         | M12    | Steel    | 1.7             |
|                                                                                   | SBM 36      | 0112105 | 17        | 40        | 60        | 105       | 12                         | 22                         | M12    | Steel    | 2               |
|                                                                                   | SBM 361     | 0112136 | 17        | 40        | 60        | 120       | 12                         | 22                         | M12    | Steel    | 2.2             |
|                                                                                   | SBM 3610    | 0112107 | 17        | 40        | 100       | 90        | 12                         | 22                         | M12    | Steel    | 2.7             |
|                                                                                   | SBM 3612    | 0112108 | 17        | 40        | 120       | 90        | 12                         | 22                         | M12    | Steel    | 3.4             |
|                                                                                   | SBM 3615    | 0112139 | 17        | 50        | 80        | 90        | 12                         | 22                         | M12    | Steel    | 2.7             |
|                                                                                   | SBM 368     | 0112106 | 17        | 40        | 80        | 90        | 12                         | 22                         | M12    | Steel    | 2.3             |
|                                                                                   | SBM 37      | 0112109 | 17        | 60        | 60        | 70        | 12                         | 22                         | M12    | Steel    | 1.9             |
|                                                                                   | SBM 38      | 0112110 | 17        | 60        | 60        | 90        | 12                         | 22                         | M12    | Steel    | 2.4             |
|                                                                                   | SBM 40      | 0112111 | 17        | 80        | 60        | 90        | 12                         | 22                         | M12    | Steel    | 3.3             |

### Pendulum jaws

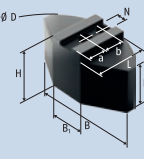
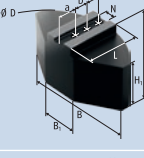
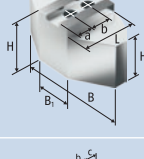
|                                                                                     | Clamping<br>range ØD | Swing<br>diameter<br>SDmax | Description    | ID      | H<br>[mm] | T<br>[mm] | m/piece<br>[kg] |
|-------------------------------------------------------------------------------------|----------------------|----------------------------|----------------|---------|-----------|-----------|-----------------|
|  | 80 - 97              | 228                        | PNS-Z 200-2    | 0190139 | 56        | 30        | 1.3             |
|                                                                                     | 109 - 126            | 250                        | PNS-Z 200-3    | 0190140 | 56        | 30        | 1.4             |
|                                                                                     | 139 - 156            | 249                        | PNS-Z 200-4    | 0190141 | 56        | 30        | 1.5             |
|                                                                                     | 65 - 78              | 242                        | PNS-Z 250-17-1 | 0190100 | 56        | 35        | 1.6             |
|                                                                                     | 123 - 137            | 255                        | PNS-Z 250-17-4 | 0190103 | 56        | 35        | 2.2             |
|                                                                                     | 132 - 146            | 255                        | PNS-Z 250-17-5 | 0190104 | 56        | 35        | 2.4             |

### Serrated bars

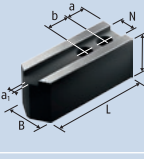
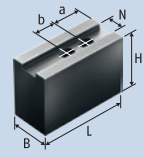
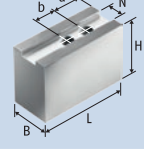
|                                                                                     | Description | ID      | N<br>[mm] | B<br>[mm] | H<br>[mm] | L<br>[mm] | Material | m/piece<br>[kg] |
|-------------------------------------------------------------------------------------|-------------|---------|-----------|-----------|-----------|-----------|----------|-----------------|
|  | SBM-ST 170  | 0112170 | 17        | 40        | 60        | 420       | Steel    | 7.6             |
|                                                                                     | SBM-ST 171  | 0112171 | 17        | 40        | 80        | 420       | Steel    | 10.2            |
|                                                                                     | SBM-ST 172  | 0112172 | 17        | 40        | 100       | 420       | Steel    | 12.8            |
|  | SBM-STA 170 | 0112173 | 17        | 40        | 60        | 420       | Aluminum | 2.8             |



### Soft Full Grip Jaws

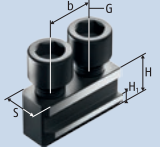
|                                                                                   | Description   | ID      | N<br>[mm] | B<br>[mm] | B1<br>[mm] | Ø D<br>[mm] | H<br>[mm] | H1<br>[mm] | L<br>[mm] | a<br>[mm] | b<br>[mm] | Screws | Material | m/set<br>[kg] |
|-----------------------------------------------------------------------------------|---------------|---------|-----------|-----------|------------|-------------|-----------|------------|-----------|-----------|-----------|--------|----------|---------------|
|  | SWB-SM 160    | 0169100 | 17        | 120       | 40         | 160         | 60        | 50         | 59.5      | 25        | 22        | M12    | Steel    | 5.7           |
|                                                                                   | SWB-SM 200    | 0169101 | 17        | 140       | 64         | 200         | 60        | 50         | 69.5      | 35        | 22        | M12    | Steel    | 8.6           |
|                                                                                   | SWB-SM 201    | 0169106 | 17        | 140       | 64         | 200         | 75        | 65         | 69.5      | 35        | 22        | M12    | Steel    | 10.8          |
|                                                                                   | SWB-SM 250-17 | 0169102 | 17        | 180       | 104        | 250         | 60        | 45         | 79        | 44.5      | 22        | M12    | Steel    | 12            |
|  | FR-SM 200     | 0120702 | 17        | 140       | 50         | 200         | 60        | 50         | 70        | 36        | 19        | M12    | Steel    | 8.4           |
|  | SWB-SA 160    | 0170100 | 17        | 120       | 40         | 165         | 58        | 48         | 59.5      | 22        | 22        | M12    | Aluminum | 2.2           |
|                                                                                   | SWB-SA 200    | 0170101 | 17        | 140       | 50         | 200         | 58        | 48         | 72.5      | 35        | 22        | M12    | Aluminum | 3.4           |
|                                                                                   | SWB-SA 201    | 0170106 | 17        | 140       | 50         | 200         | 75        | 65         | 72.5      | 35        | 22        | M12    | Aluminum | 4.2           |
|  | FR-SA 200     | 0120652 | 17        | 140       | 50         | 200         | 58        | 48         | 72.5      | 40        | 19        | M12    | Aluminum | 3.4           |

### 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 160    | 0120151 | 17        | 35        | 40        | 78        | 4          | 15        | 22        | M12    | Steel    | 1.9           |
|                                                                                     | SWBL 200    | 0120153 | 17        | 35        | 40        | 98        | 4          | 15        | 22        | M12    | Steel    | 2.6           |
|  | 2 SWK 160   | 0126106 | 17        | 60        | 60        | 70        |            | 12        | 22        | M12    | Steel    | 3.4           |
|                                                                                     | CWB 160     | 0100005 | 17        | 35        | 40        | 70        |            | 15        | 22        | M12    | Steel    | 1.7           |
|                                                                                     | CWB 200     | 0100006 | 17        | 40        | 40        | 90        |            | 25        | 22        | M12    | Steel    | 2.7           |
|                                                                                     | SWB 160     | 0120102 | 17        | 40        | 60        | 70        |            | 15        | 22        | M12    | Steel    | 3.1           |
|                                                                                     | SWB 200     | 0120104 | 17        | 40        | 60        | 90        |            | 25        | 22        | M12    | Steel    | 4.1           |
|                                                                                     | SWB-FF 201  | 0120305 | 17        | 40        | 80        | 90        |            | 18        | 24        | M14    | Steel    | 5.4           |
|                                                                                     | SWB-FR 200  | 0120404 | 17        | 40        | 60        | 70        |            | 12        | 19        | M12    | Steel    | 3.1           |
|                                                                                     | SWB-FR 250  | 0120405 | 17        | 40        | 60        | 90        |            | 12        | 19        | M12    | Steel    | 4.1           |
|  | FR-AL 200   | 0120602 | 17        | 40        | 60        | 90        |            | 12        | 19        | M12    | Aluminum | 1.6           |
|                                                                                     | SWB-AL 160  | 0168100 | 17        | 40        | 60        | 70        |            | 15        | 22        | M12    | Aluminum | 1.2           |
|                                                                                     | SWB-AL 200  | 0168101 | 17        | 40        | 60        | 90        |            | 25        | 22        | M12    | Aluminum | 1.5           |



## T-nut

|                                                                                   | Description | ID      | S<br>[mm] | H<br>[mm] | H1<br>[mm] | b<br>[mm] | G   | Cyl.-screw | Max. adm.<br>tightening<br>torque<br>[Nm] |
|-----------------------------------------------------------------------------------|-------------|---------|-----------|-----------|------------|-----------|-----|------------|-------------------------------------------|
|  | NKS 2       | 0143106 | 17        | 20.5      | 7.5        |           | M12 | M12 x 25   | 70                                        |
|  | NKA 2       | 0145104 | 17        | 20.5      | 7.5        | 22        | M12 | M12 x 25   | 70                                        |

