

Superior Clamping and Gripping

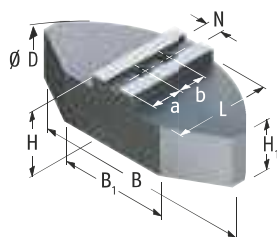


## Spannbacken *Chuck Jaws*



## Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



## Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype<br>Chuck type | Bezeichnung<br>Description | ID      | N<br>[mm] | B<br>[mm] | B1<br>[mm] | D<br>[mm] | H<br>[mm] | H1<br>[mm] | L<br>[mm] | a<br>[mm] | b<br>[mm] | Schrauben<br>Screws | m/Satz<br>m/Set<br>[kg] |
|--------------------------|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| HES/HESF 160<br>KF 160   | SWB-SM 160                 | 0169100 | 17        | 120       | 40         | 160       | 60        | 50         | 59.5      | 25        | 22        | M12                 | 5.7                     |
| KH 175                   | FB-SM 175                  | 0120951 | 12        | 120       | 50         | 175       | 60        | 50         | 60        | 24        | 21        | M12                 | 6.4                     |
| HES/HESF 200<br>KF 200   | SWB-SM 200                 | 0169101 | 17        | 140       | 64         | 200       | 60        | 50         | 69.5      | 35        | 22        | M12                 | 8.6                     |
|                          | SWB-SM 201                 | 0169106 | 17        | 140       | 64         | 200       | 75        | 65         | 69.5      | 35        | 22        | M12                 | 10.8                    |
| KH 200                   | FB-SM 175                  | 0120951 | 12        | 120       | 50         | 175       | 60        | 50         | 60        | 24        | 21        | M12                 | 6.4                     |
| KHFF 200                 | SWB-SM 200                 | 0169101 | 17        | 140       | 64         | 200       | 60        | 50         | 69.5      | 35        | 22        | M12                 | 8.6                     |
|                          | SWB-SM 201                 | 0169106 | 17        | 140       | 64         | 200       | 75        | 65         | 69.5      | 35        | 22        | M12                 | 10.8                    |
| KV3 200                  | FB-SM 175                  | 0120951 | 12        | 120       | 50         | 175       | 60        | 50         | 60        | 24        | 21        | M12                 | 6.4                     |
| HES/HESF 250<br>KF 250   | SWB-SM 250/21              | 0169103 | 21        | 180       | 104        | 250       | 70        | 55         | 80        | 30        | 28        | M16                 | 14                      |
|                          | SWB-SM 251                 | 0169107 | 21        | 180       | 104        | 250       | 100       | 85         | 80        | 30        | 28        | M16                 | 21.7                    |
| KH 250                   | FB-SM 250                  | 0120952 | 16        | 180       | 80         | 250       | 60        | 50         | 79        | 33        | 29        | M16                 | 11.9                    |
| KHFF 250                 | SWB-SM 250/21              | 0169103 | 21        | 180       | 104        | 250       | 70        | 55         | 80        | 30        | 28        | M16                 | 14                      |
|                          | SWB-SM 251                 | 0169107 | 21        | 180       | 104        | 250       | 100       | 85         | 80        | 30        | 28        | M16                 | 21.7                    |
| KHL 250<br>KV3 250       | FB-SM 250                  | 0120952 | 16        | 180       | 80         | 250       | 60        | 50         | 79        | 33        | 29        | M16                 | 11.9                    |
| HES/HESF 315<br>KF 315   | SWB-SM 315                 | 0169104 | 21        | 240       | 120        | 320       | 70        | 55         | 110       | 60        | 28        | M16                 | 26.6                    |
| KH 315                   | FB-SM 250                  | 0120952 | 16        | 180       | 80         | 250       | 60        | 50         | 79        | 33        | 29        | M16                 | 11.9                    |
| KHFF 315                 | SWB-SM 315                 | 0169104 | 21        | 240       | 120        | 320       | 70        | 55         | 110       | 60        | 28        | M16                 | 26.6                    |
| KHL 315<br>KV3 315       | FB-SM 250                  | 0120952 | 16        | 180       | 80         | 250       | 60        | 50         | 79        | 33        | 29        | M16                 | 11.9                    |



Passende Nutensteine finden Sie ab Seite 213.

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

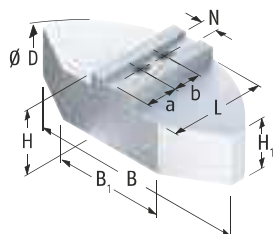


For suitable T-nuts see page 213.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

### Spitzverzahnung 1/16" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium



### Fine serration 1/16" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Aluminum

| Futtertype<br>Chuck type | Bezeichnung<br>Description | ID      | N<br>[mm] | B<br>[mm] | B1<br>[mm] | D<br>[mm] | H<br>[mm] | H1<br>[mm] | L<br>[mm] | a<br>[mm] | b<br>[mm] | Schrauben<br>Screws | m/Satz<br>m/Set<br>[kg] |
|--------------------------|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| HES/HESF 160<br>KF 160   | SWB-SA 160                 | 0170100 | 17        | 120       | 40         | 165       | 58        | 48         | 59.5      | 22        | 22        | M12                 | 2.2                     |
| KH 175                   | FB-SA 175                  | 0120901 | 12        | 120       | 40         | 165       | 58        | 48         | 59.5      | 24        | 21        | M12                 | 2.2                     |
| HES/HESF 200<br>KF 200   | SWB-SA 200                 | 0170101 | 17        | 140       | 50         | 200       | 58        | 48         | 72.5      | 35        | 22        | M12                 | 3.4                     |
|                          | SWB-SA 201                 | 0170106 | 17        | 140       | 50         | 200       | 75        | 65         | 72.5      | 35        | 22        | M12                 | 4.2                     |
| KH 200                   | FB-SA 175                  | 0120901 | 12        | 120       | 40         | 165       | 58        | 48         | 59.5      | 24        | 21        | M12                 | 2.2                     |
| KHFF 200                 | SWB-SA 200                 | 0170101 | 17        | 140       | 50         | 200       | 58        | 48         | 72.5      | 35        | 22        | M12                 | 3.4                     |
|                          | SWB-SA 201                 | 0170106 | 17        | 140       | 50         | 200       | 75        | 65         | 72.5      | 35        | 22        | M12                 | 4.2                     |
| KV3 200                  | FB-SA 175                  | 0120901 | 12        | 120       | 40         | 165       | 58        | 48         | 59.5      | 24        | 21        | M12                 | 2.2                     |
| HES/HESF 250<br>KF 250   | SWB-SA 250/21              | 0170103 | 21        | 180       | 70         | 250       | 78        | 63         | 87.5      | 40        | 28        | M16                 | 7.3                     |
|                          | SWB-SA 251                 | 0170107 | 21        | 180       | 70         | 250       | 100       | 85         | 87.5      | 40        | 28        | M16                 | 8.3                     |
| KH 250                   | FB-SA 250                  | 0120902 | 16        | 180       | 70         | 250       | 58        | 48         | 87.5      | 43        | 29        | M16                 | 4.8                     |
| KHFF 250                 | SWB-SA 250/21              | 0170103 | 21        | 180       | 70         | 250       | 78        | 63         | 87.5      | 40        | 28        | M16                 | 7.3                     |
|                          | SWB-SA 251                 | 0170107 | 21        | 180       | 70         | 250       | 100       | 85         | 87.5      | 40        | 28        | M16                 | 8.3                     |
| KHL 250<br>KV3 250       | FB-SA 250                  | 0120902 | 16        | 180       | 70         | 250       | 58        | 48         | 87.5      | 43        | 29        | M16                 | 4.8                     |
| HES/HESF 315<br>KF 315   | SWB-SA 315                 | 0170104 | 21        | 240       | 80         | 320       | 78        | 63         | 117       | 70        | 28        | M16                 | 12                      |
| KH 315                   | FB-SA 250                  | 0120902 | 16        | 180       | 70         | 250       | 58        | 48         | 87.5      | 43        | 29        | M16                 | 4.8                     |
| KHFF 315                 | SWB-SA 315                 | 0170104 | 21        | 240       | 80         | 320       | 78        | 63         | 117       | 70        | 28        | M16                 | 12                      |
| KHL 315<br>KV3 315       | FB-SA 250                  | 0120902 | 16        | 180       | 70         | 250       | 58        | 48         | 87.5      | 43        | 29        | M16                 | 4.8                     |



Passende Nutensteine finden Sie ab Seite 213.  
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable T-nuts see page 213.  
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

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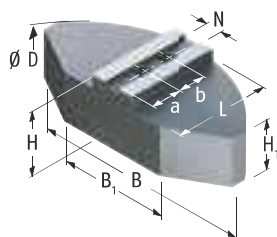
Weiche Segmentbacken | *Soft Full Grip Jaws*

## Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar

## Fine serration 3/32" x 90°

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening



| Futtertype<br>Chuck type                                                               | Bezeichnung<br>Description | ID      | N<br>[mm] | B<br>[mm] | B1<br>[mm] | D<br>[mm] | H<br>[mm] | H1<br>[mm] | L<br>[mm] | a<br>[mm] | b<br>[mm] | Schrauben<br>Screws | m/Satz<br>m/Set<br>[kg] |
|----------------------------------------------------------------------------------------|----------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|---------------------|-------------------------|
| HES/HESF 400<br>KF 400<br>KHFF 400<br>HES/HESF 500<br>KF 500<br>HES/HESF 630<br>KF 630 | SWB-SM 400                 | 0169105 | 25.5      | 330       | 150        | 440       | 85        | 55         | 155       | 85        | 35        | M20                 | 55.2                    |



Passende Nutensteine finden Sie ab Seite 213.  
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



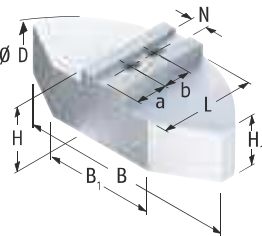
For suitable T-nuts see page 213.  
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

Spitzverzahnung 3/32" x 90°

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

*Fine serration 3/32" x 90°*

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



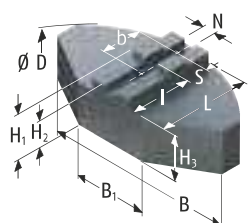
| Futtertype<br><i>Chuck type</i>                                                        | Bezeichnung<br><i>Description</i> | ID      | N<br>[mm] | B<br>[mm] | B1<br>[mm] | D<br>[mm] | H<br>[mm] | H1<br>[mm] | L<br>[mm] | a<br>[mm] | b<br>[mm] | Schrauben<br><i>Screws</i> | m/Satz<br><i>m/Set</i><br>[kg] |
|----------------------------------------------------------------------------------------|-----------------------------------|---------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| HES/HESF 400<br>KF 400<br>KHFF 400<br>HES/HESF 500<br>KF 500<br>HES/HESF 630<br>KF 630 | SWB-SA 400                        | 0170105 | 25.5      | 330       | 150        | 440       | 98        | 68         | 160       | 85        | 35        | M20                        | 26.2                           |

 Passende Nutensteine finden Sie ab Seite 213.  
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.

 *For suitable T-nuts see page 213.*  
*For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".*

### Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Stahl 16MnCr5 einsatzhärtbar



### Metric tongue and groove

- Comprehensive, low deformation clamping
- Delivery unit: 1 set = 3 pieces
- Material: Steel 16MnCr5 suitable for case hardening

| Futtertype<br><i>Chuck type</i> | Bezeichnung<br><i>Description</i> | ID      | N<br>[mm] | S<br>[mm] | B<br>[mm] | B1<br>[mm] | D<br>[mm] | H1<br>[mm] | H2<br>[mm] | H3<br>[mm] | L<br>[mm] | I<br>[mm] | b<br>[mm] | Schrauben<br><i>Screws</i> | m/Satz<br><i>m/Set</i><br>[kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KHNC 160<br>KHNC 185            | SFA-SM 160                        | 0173100 | 8         | 18        | 120       | 40         | 160       | 50         | 46         | 40         | 60        | 23        | 32        | M8                         | 4.8                            |
| KHNC 200                        | SFA-SM 200                        | 0173101 | 10        | 20        | 140       | 64         | 200       | 60         | 56         | 50         | 70        | 27        | 40        | M8                         | 9                              |
|                                 | SFA-SM 201                        | 0173105 | 10        | 20        | 140       | 64         | 200       | 80         | 76         | 70         | 70        | 27        | 40        | M8                         | 12.5                           |
| KHNC 250<br>KHNC 315            | SFA-SM 250                        | 0173102 | 12        | 20        | 180       | 70         | 250       | 60         | 55         | 45         | 90        | 44        | 40        | M12                        | 12.8                           |
|                                 | SFA-SM 251                        | 0173106 | 12        | 20        | 180       | 70         | 250       | 80         | 75         | 65         | 90        | 44        | 40        | M12                        | 16.8                           |
| KHNC 400                        | SFA-SM 315                        | 0173103 | 12        | 26        | 240       | 120        | 320       | 75         | 69         | 60         | 110       | 54        | 54        | M12                        | 28.9                           |
| KHNC 500                        | SFA-SM 400                        | 0173104 | 18        | 30        | 330       | 150        | 440       | 85         | 78         | 55         | 160       | 95        | 60        | M16                        | 55.6                           |



Passende Grundbacken finden Sie ab Seite 224.  
Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



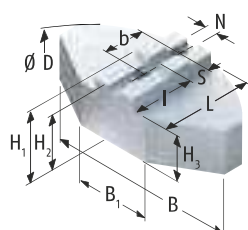
For suitable base jaw see page 224.  
For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".

## Metrischer Kreuzversatz

- Umfassende, verzugsarme Spannung
- Liefereinheit: 1 Satz = 3 Stück
- Material: Aluminium

## Metric tongue and groove

- *Comprehensive, low deformation clamping*
- *Delivery unit: 1 set = 3 pieces*
- *Material: Aluminum*



| Futtertype<br><i>Chuck type</i> | Bezeichnung<br><i>Description</i> | ID      | N<br>[mm] | S<br>[mm] | B<br>[mm] | B1<br>[mm] | D<br>[mm] | H1<br>[mm] | H2<br>[mm] | H3<br>[mm] | L<br>[mm] | I<br>[mm] | b<br>[mm] | Schrauben<br><i>Screws</i> | m/Satz<br><i>m/Set</i><br>[kg] |
|---------------------------------|-----------------------------------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|----------------------------|--------------------------------|
| KHNC 160<br>KHNC 185            | SFA-SA 160                        | 0174100 | 8         | 18        | 120       | 40         | 165       | 50         | 46         | 40         | 59.5      | 23        | 32        | M8                         | 1.8                            |
| KHNC 200                        | SFA-SA 200                        | 0174101 | 10        | 20        | 140       | 50         | 200       | 58         | 54         | 48         | 72.5      | 32        | 40        | M8                         | 3.5                            |
|                                 | SFA-SA 201                        | 0174105 | 10        | 20        | 140       | 50         | 200       | 80         | 76         | 70         | 72.5      | 32        | 40        | M8                         | 4.7                            |
| KHNC 250<br>KHNC 315            | SFA-SA 250                        | 0174102 | 12        | 20        | 180       | 70         | 250       | 58         | 53         | 43         | 87.5      | 44        | 40        | M12                        | 4.8                            |
|                                 | SFA-SA 251                        | 0174106 | 12        | 20        | 180       | 70         | 250       | 80         | 75         | 65         | 87.5      | 44        | 40        | M12                        | 6.4                            |
| KHNC 400                        | SFA-SA 315                        | 0174103 | 12        | 26        | 240       | 80         | 320       | 75         | 69         | 60         | 117       | 64        | 54        | M12                        | 10.8                           |
| KHNC 500                        | SFA-SA 400                        | 0174104 | 18        | 30        | 330       | 150        | 440       | 90         | 83         | 60         | 160       | 95        | 60        | M16                        | 22.8                           |



Passende Grundbacken finden Sie ab Seite 224.

Passende Spanneinsätze, Ausdrehringe, Backen-Ausdrehvorrichtung finden Sie im Katalogteil „Zubehör“.



For suitable base jaw see page 224.

For suitable clamping inserts, jaw turning rings, jaw turning fixture see catalog chapter "Accessories".