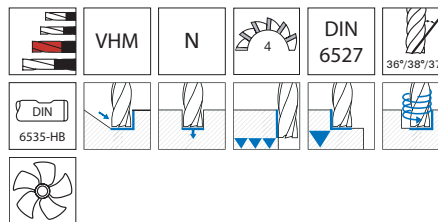


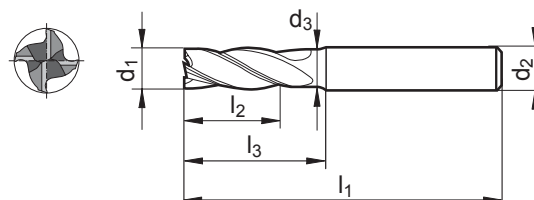
## Schaftfräser DIVER

**Ausführung:** Mit Zentrumschnitt, zum Bohren geeignet.

**Anwendung:** Einsetzbar zum Nuten, Rampen (bis 45°), Schruppen, Schlichten und Bohren mit Höchstgeschwindigkeit mit einem Werkzeug in verschiedenen Werkstoffen.



**GUHRING**



2499

Signum



2505

Signum

| Einsatz                | STAHL                      |                             |                             | INOX                 |                   |        | GUSS       |     | SOND.-LEG.                       | NE-METALLE     |                |                            |                                 | GEHÄRTETER STAHL |             |             | Bestell-Nr. |
|------------------------|----------------------------|-----------------------------|-----------------------------|----------------------|-------------------|--------|------------|-----|----------------------------------|----------------|----------------|----------------------------|---------------------------------|------------------|-------------|-------------|-------------|
|                        | < 700<br>N/mm <sup>2</sup> | < 1000<br>N/mm <sup>2</sup> | < 1400<br>N/mm <sup>2</sup> | ferrit./<br>martens. | austeni-<br>tisch | Duplex | GG/<br>GTS | GGG | Titan ><br>850 N/mm <sup>2</sup> | Alu <<br>8% Si | Alu ><br>8% Si | Kupfer/<br>Kupfer-<br>Leg. | Graphit/<br>GFK/CFK/<br>Duropl. | < 55<br>HRC      | < 60<br>HRC | > 60<br>HRC |             |
| V <sub>c</sub> [m/min] | 270                        | 230                         | 180                         | 170                  | 120               | 90     | 200        | 175 | 65                               | 340            | 270            | 200                        | -                               | -                | -           | -           | 2499        |
|                        | 270                        | 230                         | 180                         | 170                  | 120               | 90     | 200        | 175 | 65                               | 340            | 270            | 200                        | -                               | -                | -           | -           | 2505        |

| Ø d <sub>1</sub> = h10<br>mm | Schneiden-<br>länge l <sub>2</sub><br>mm | Halsfreischliff l <sub>3</sub><br>mm | Hals-Ø d <sub>3</sub><br>mm | Gesamtlänge l <sub>1</sub><br>mm | Schaft-Ø<br>d <sub>2</sub> = h6<br>mm | f <sub>z</sub><br>mm | STAHL                    | GUHRING        | GUHRING        | Bestell-Nr. |
|------------------------------|------------------------------------------|--------------------------------------|-----------------------------|----------------------------------|---------------------------------------|----------------------|--------------------------|----------------|----------------|-------------|
|                              |                                          |                                      |                             |                                  |                                       |                      | < 1000 N/mm <sup>2</sup> | 2499<br>Signum | 2505<br>Signum |             |
|                              |                                          |                                      |                             |                                  |                                       |                      | €                        | €              |                |             |
| 5,7                          | 13                                       | 19,6                                 | 5,7                         | 57                               | 6                                     | 0,01                 | 60,30                    | -              |                | ...0570     |
| 6                            | 13                                       | 20                                   | 5,7                         | 57                               | 6                                     | 0,01                 | -                        | 60,30          |                | ...0600     |
| 7,7                          | 19                                       | 25,5                                 | 7,4                         | 63                               | 8                                     | 0,015                | 82,00                    | -              |                | ...0770     |
| 8                            | 19                                       | 26                                   | 7,7                         | 63                               | 8                                     | 0,015                | -                        | 82,00          |                | ...0800     |
| 9,7                          | 22                                       | 30,5                                 | 9,3                         | 72                               | 10                                    | 0,025                | 123,00                   | -              |                | ...0970     |
| 10                           | 22                                       | 30                                   | 9,5                         | 72                               | 10                                    | 0,025                | -                        | 123,00         |                | ...1000     |
| 11,7                         | 26                                       | 35,3                                 | 11,3                        | 83                               | 12                                    | 0,03                 | 158,00                   | -              |                | ...1170     |
| 12                           | 26                                       | 36                                   | 11,5                        | 83                               | 12                                    | 0,03                 | -                        | 158,00         |                | ...1200     |
| 13,7                         | 26                                       | 35,3                                 | 13,2                        | 83                               | 14                                    | 0,03                 | 208,50                   | -              |                | ...1370     |
| 15,6                         | 32                                       | 41,2                                 | 15,1                        | 92                               | 16                                    | 0,035                | 272,50                   | -              |                | ...1560     |
| 16                           | 32                                       | 42                                   | 15,5                        | 92                               | 16                                    | 0,035                | -                        | 272,50         |                | ...1600     |
| 19,5                         | 38                                       | 51,1                                 | 19                          | 104                              | 20                                    | 0,04                 | 414,50                   | -              |                | ...1950     |
| 20                           | 38                                       | 52                                   | 19,5                        | 104                              | 20                                    | 0,04                 | -                        | 414,50         |                | ...2000     |

(W221)

(W221)