

1.1

**Kurz-Nut-Bohrer mit zyl. Schaft**

Ausführung: Mit präzisiertem Spitzenanschliff.

|            |            |   |      |        |
|------------|------------|---|------|--------|
| HSS<br>Co8 | DIN<br>338 | N | 135° | 20-25° |
|            |            |   |      |        |



Raptor

| Einsatz                | STAHL                   |                          |                          | INOX             |               |        | GUSS   |     | SOND.-LEG.                    | NE-METALLE  |             |                    | GEHÄRTETER STAHL        |          |          | Bestell-Nr. |          |
|------------------------|-------------------------|--------------------------|--------------------------|------------------|---------------|--------|--------|-----|-------------------------------|-------------|-------------|--------------------|-------------------------|----------|----------|-------------|----------|
|                        | < 700 N/mm <sup>2</sup> | < 1000 N/mm <sup>2</sup> | < 1400 N/mm <sup>2</sup> | ferrit./martens. | austeni-tisch | Duplex | GG/GTS | GGG | Titan > 850 N/mm <sup>2</sup> | Alu < 8% Si | Alu > 8% Si | Kupfer/Kupfer-Leg. | Graphit/GFK/CFK/Duropl. | < 55 HRC | < 60 HRC |             | > 60 HRC |
| V <sub>c</sub> [m/min] | -                       | 35                       | 24                       | 20               | -             | -      | 35     | 27  | 7                             | -           | -           | -                  | -                       | 6        | -        | -           | 1090     |

| Ø h8 mm | Spirallänge mm | Gesamt-länge mm | GUHRING                               |               | Bestell-Nr. |
|---------|----------------|-----------------|---------------------------------------|---------------|-------------|
|         |                |                 | STAHL < 1000 N/mm <sup>2</sup> f mm/U | 1090 Raptor € |             |
| 1       | 6              | 34              | 0,012                                 | 8,15          | ...0100     |
| 1,5     | 9              | 40              | 0,032                                 | 7,55          | ...0150     |
| 2       | 12             | 49              | 0,032                                 | 6,85          | ...0200     |
| 2,5     | 14             | 57              | 0,04                                  | 7,05          | ...0250     |
| 3       | 16             | 61              | 0,05                                  | 7,05          | ...0300     |
| 3,3     | 18             | 65              | 0,063                                 | 8,15          | ...0330     |
| 3,5     | 20             | 70              | 0,063                                 | 8,15          | ...0350     |
| 4       | 22             | 75              | 0,063                                 | 8,60          | ...0400     |
| 4,2     | 22             | 75              | 0,063                                 | 11,25         | ...0420     |
| 4,5     | 24             | 80              | 0,063                                 | 11,25         | ...0450     |
| 5       | 26             | 86              | 0,063                                 | 10,65         | ...0500     |
| 5,5     | 28             | 93              | 0,08                                  | 14,95         | ...0550     |
| 6       | 28             | 93              | 0,08                                  | 13,85         | ...0600     |
| 6,5     | 31             | 101             | 0,1                                   | 15,55         | ...0650     |
| 6,8     | 34             | 109             | 0,1                                   | 19,05         | ...0680     |

(W105)

| Ø h8 mm | Spirallänge mm | Gesamt-länge mm | GUHRING                               |               | Bestell-Nr. |
|---------|----------------|-----------------|---------------------------------------|---------------|-------------|
|         |                |                 | STAHL < 1000 N/mm <sup>2</sup> f mm/U | 1090 Raptor € |             |
| 7       | 34             | 109             | 0,1                                   | 16,60         | ...0700     |
| 7,5     | 34             | 109             | 0,1                                   | 20,00         | ...0750     |
| 8       | 37             | 117             | 0,1                                   | 21,70         | ...0800     |
| 8,5     | 37             | 117             | 0,1                                   | 21,70         | ...0850     |
| 9       | 40             | 125             | 0,125                                 | 27,90         | ...0900     |
| 9,5     | 40             | 125             | 0,125                                 | 34,10         | ...0950     |
| 10      | 43             | 133             | 0,125                                 | 28,40         | ...1000     |
| 10,2    | 43             | 133             | 0,125                                 | 43,90         | ...1020     |
| 10,5    | 43             | 133             | 0,125                                 | 42,90         | ...1050     |
| 11      | 47             | 142             | 0,125                                 | 52,70         | ...1100     |
| 11,5    | 47             | 142             | 0,125                                 | 68,10         | ...1150     |
| 12      | 51             | 151             | 0,125                                 | 68,10         | ...1200     |
| 12,5    | 51             | 151             | 0,125                                 | 88,80         | ...1250     |
| 13      | 51             | 151             | 0,16                                  | 86,80         | ...1300     |

(W105)

**Kurz-Nut-Bohrer-Satz**

| Satzinhalt Ø h8 mm | Anzahl der Bohrer Stück | jeweils steigend mm | GUHRING       |  | Bestell-Nr. |
|--------------------|-------------------------|---------------------|---------------|--|-------------|
|                    |                         |                     | 1090 Raptor € |  |             |
| 1-10,5             | 24                      | 0,5 + K.B.*         | 394,00        |  | ...1301     |

(W105)

\* Mit Zwischengrößen für Gewindekernlöcher: je 1 Stück Ø 3,3; 4,2; 6,8; 10,2 mm.



Raptor