

| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 638<br>Art.-Nr. |  |
|------------|----------|----------|----------------------|-----------------------------------------------------------------------------------|
| 10,50      | 133      | 43       | 00 638010501 00      | 5                                                                                 |
| 11,00      | 142      | 47       | 00 638011001 00      | 5                                                                                 |
| 11,50      | 142      | 47       | 00 638011501 00      | 5                                                                                 |

| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 638<br>Art.-Nr. |  |
|------------|----------|----------|----------------------|-------------------------------------------------------------------------------------|
| 12,00      | 151      | 51       | 00 638012001 00      | 5                                                                                   |
| 12,50      | 151      | 51       | 00 638012501 00      | 5                                                                                   |
| 13,00      | 151      | 51       | 00 638013001 00      | 5                                                                                   |

## D Spiralbohrer lang, DIN 340 RN

### Einsatzbereich:

Spiralbohrer präzisionsgeschliffen, zum Bohren von legierten und unlegierten Stählen, Grauguss, Temperguss, Kupferlegierungen, Neusilber, Graphit, Sinterisen.



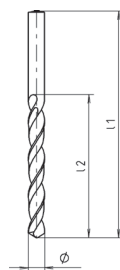
GRAUGUSS  
CAST IRON  
GHISA GRIGIA



## E Jobber drills long series, DIN 340 RN

### Range of application:

Premium quality twist drills for drilling steel and steel castings, alloy and plain carbon, grey iron castings, copper-alloys, nickel-silver, graphite and similar materials.



DAMPFANGELASSEN<sup>(1)</sup>  
STERN TEMPERED<sup>(2)</sup>  
VAPORIZZATA<sup>(3)</sup>

## I Punta elicoidali serie lunga, DIN 340 RN

### Impiego:

Foratura di acciai legati, non legati, ghisa, ghisa grigia, ghisa malleabile, leghe rame, alpaca, grafite, acciai sinterizzati.



DAMPFANGELASSEN<sup>(1)</sup>  
STERN TEMPERED<sup>(2)</sup>  
VAPORIZZATA<sup>(3)</sup>

| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 501<br>Art.-Nr. |  |
|------------|----------|----------|----------------------|-------------------------------------------------------------------------------------|
| 0,50*      | 32       | 12       | 00 501000501 00      | 10                                                                                  |
| 0,60*      | 35       | 15       | 00 501000601 00      | 10                                                                                  |
| 0,70*      | 42       | 21       | 00 501000701 00      | 10                                                                                  |
| 0,80       | 46       | 25       | 00 501000801 00      | 10                                                                                  |
| 1,00       | 56       | 33       | 00 501001001 00      | 10                                                                                  |
| 1,10       | 60       | 37       | 00 501001101 00      | 10                                                                                  |
| 1,20       | 65       | 41       | 00 501001201 00      | 10                                                                                  |
| 1,30       | 65       | 41       | 00 501001301 00      | 10                                                                                  |
| 1,40       | 70       | 45       | 00 501001401 00      | 10                                                                                  |
| 1,50       | 70       | 45       | 00 501001501 00      | 10                                                                                  |
| 1,60       | 76       | 50       | 00 501001601 00      | 10                                                                                  |
| 1,70       | 76       | 50       | 00 501001701 00      | 10                                                                                  |
| 1,80       | 80       | 53       | 00 501001801 00      | 10                                                                                  |
| 1,90       | 80       | 53       | 00 501001901 00      | 10                                                                                  |
| 2,00       | 85       | 56       | 00 501002001 00      | 10                                                                                  |
| 2,10       | 85       | 56       | 00 501002101 00      | 10                                                                                  |
| 2,20       | 90       | 59       | 00 501002201 00      | 10                                                                                  |
| 2,30       | 90       | 59       | 00 501002301 00      | 10                                                                                  |
| 2,40       | 95       | 62       | 00 501002401 00      | 10                                                                                  |
| 2,50       | 95       | 62       | 00 501002501 00      | 10                                                                                  |
| 2,60       | 95       | 62       | 00 501002601 00      | 10                                                                                  |
| 2,70       | 100      | 66       | 00 501002701 00      | 10                                                                                  |
| 2,80       | 100      | 66       | 00 501002801 00      | 10                                                                                  |
| 2,90       | 100      | 66       | 00 501002901 00      | 10                                                                                  |
| 3,00       | 100      | 66       | 00 501003001 00      | 10                                                                                  |
| 3,10       | 106      | 69       | 00 501003101 00      | 10                                                                                  |
| 3,20       | 106      | 69       | 00 501003201 00      | 10                                                                                  |
| 3,30       | 106      | 69       | 00 501003301 00      | 10                                                                                  |
| 3,40       | 112      | 73       | 00 501003401 00      | 10                                                                                  |
| 3,50       | 112      | 73       | 00 501003501 00      | 10                                                                                  |

| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 501<br>Art.-Nr. |  |
|------------|----------|----------|----------------------|---------------------------------------------------------------------------------------|
| 3,60       | 112      | 73       | 00 501003601 00      | 10                                                                                    |
| 3,70       | 112      | 73       | 00 501003701 00      | 10                                                                                    |
| 3,80       | 119      | 78       | 00 501003801 00      | 10                                                                                    |
| 3,90       | 119      | 78       | 00 501003901 00      | 10                                                                                    |
| 4,00       | 119      | 78       | 00 501004001 00      | 10                                                                                    |
| 4,10       | 119      | 78       | 00 501004101 00      | 10                                                                                    |
| 4,20       | 119      | 78       | 00 501004201 00      | 10                                                                                    |
| 4,30       | 126      | 82       | 00 501004301 00      | 10                                                                                    |
| 4,40       | 126      | 82       | 00 501004401 00      | 10                                                                                    |
| 4,50       | 126      | 82       | 00 501004501 00      | 10                                                                                    |
| 4,60       | 126      | 82       | 00 501004601 00      | 10                                                                                    |
| 4,70       | 126      | 82       | 00 501004701 00      | 10                                                                                    |
| 4,80       | 132      | 87       | 00 501004801 00      | 10                                                                                    |
| 4,90       | 132      | 87       | 00 501004901 00      | 10                                                                                    |
| 5,00       | 132      | 87       | 00 501005001 00      | 10                                                                                    |
| 5,10       | 132      | 87       | 00 501005101 00      | 10                                                                                    |
| 5,20       | 132      | 87       | 00 501005201 00      | 10                                                                                    |
| 5,30       | 132      | 87       | 00 501005301 00      | 10                                                                                    |
| 5,40       | 139      | 91       | 00 501005401 00      | 10                                                                                    |
| 5,50       | 139      | 91       | 00 501005501 00      | 10                                                                                    |
| 5,60       | 139      | 91       | 00 501005601 00      | 10                                                                                    |
| 5,70       | 139      | 91       | 00 501005701 00      | 10                                                                                    |
| 5,80       | 139      | 91       | 00 501005801 00      | 10                                                                                    |
| 5,90       | 139      | 91       | 00 501005901 00      | 10                                                                                    |
| 6,00       | 139      | 91       | 00 501006001 00      | 10                                                                                    |
| 6,10       | 148      | 97       | 00 501006101 00      | 10                                                                                    |
| 6,20       | 148      | 97       | 00 501006201 00      | 10                                                                                    |
| 6,30       | 148      | 97       | 00 501006301 00      | 10                                                                                    |
| 6,40       | 148      | 97       | 00 501006401 00      | 10                                                                                    |
| 6,50       | 148      | 97       | 00 501006501 00      | 10                                                                                    |

<sup>(1)</sup> ≥ Ø 4,0 mm / <sup>(2)</sup> ≥ Ø 2,4 mm

\* = WN

Fortsetzung / Continuation / Continuazione ▶

HSS-Bohrer  
HSS drills  
HSS punte elicoidali



DAMPFANGELASSEN  
STEAM TEMPERED  
VAPORIZZATA

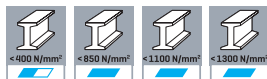
| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 501<br>Art.-Nr. |    |
|------------|----------|----------|----------------------|----|
| 6,60       | 148      | 97       | 00 501006601 00      | 10 |
| 6,70       | 148      | 97       | 00 501006701 00      | 10 |
| 6,80       | 156      | 102      | 00 501006801 00      | 10 |
| 6,90       | 156      | 102      | 00 501006901 00      | 10 |
| 7,00       | 156      | 102      | 00 501007001 00      | 10 |
| 7,10       | 156      | 102      | 00 501007101 00      | 10 |
| 7,20       | 156      | 102      | 00 501007201 00      | 10 |
| 7,30       | 156      | 102      | 00 501007301 00      | 10 |
| 7,40       | 156      | 102      | 00 501007401 00      | 10 |
| 7,50       | 156      | 102      | 00 501007501 00      | 10 |
| 7,60       | 165      | 109      | 00 501007601 00      | 10 |
| 7,70       | 165      | 109      | 00 501007701 00      | 10 |
| 7,80       | 165      | 109      | 00 501007801 00      | 10 |
| 7,90       | 165      | 109      | 00 501007901 00      | 10 |
| 8,00       | 165      | 109      | 00 501008001 00      | 10 |
| 8,20       | 165      | 109      | 00 501008201 00      | 10 |
| 8,50       | 165      | 109      | 00 501008501 00      | 10 |
| 8,80       | 175      | 115      | 00 501008801 00      | 10 |

DAMPFANGELASSEN  
STEAM TEMPERED  
VAPORIZZATA

| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 501<br>Art.-Nr. |    |
|------------|----------|----------|----------------------|----|
| 9,00       | 175      | 115      | 00 501009001 00      | 10 |
| 9,50       | 175      | 115      | 00 501009501 00      | 10 |
| 9,80       | 184      | 121      | 00 501009801 00      | 10 |
| 10,00      | 184      | 121      | 00 501010001 00      | 10 |
| 10,20      | 184      | 121      | 00 501010201 00      | 1  |
| 10,50      | 184      | 121      | 00 501010501 00      | 1  |
| 11,00      | 195      | 128      | 00 501011001 00      | 1  |
| 11,50      | 195      | 128      | 00 501011501 00      | 1  |
| 12,00      | 205      | 134      | 00 501012001 00      | 1  |
| 12,50      | 205      | 134      | 00 501012501 00      | 1  |
| 13,00      | 205      | 134      | 00 501013001 00      | 1  |
| 13,50      | 214      | 140      | 00 501013501 00      | 1  |
| 14,00      | 214      | 140      | 00 501014001 00      | 1  |
| 14,50      | 220      | 144      | 00 501014501 00      | 1  |
| 15,00      | 220      | 144      | 00 501015001 00      | 1  |
| 15,50      | 227      | 149      | 00 501015501 00      | 1  |
| 16,00      | 227      | 149      | 00 501016001 00      | 1  |

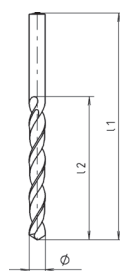
## D Spiralbohrer lang, DIN 340 RN

**Einsatzbereich:**  
5% kobaltlegierter Spiralbohrer mit sehr hoher thermischer Belastbarkeit zum Bohren von Werkstoffen mit höherem Legierungsgehalt und Festigkeit über 800 N/mm².



## E Jobber drills long series, DIN 340 RN

**Range of application:**  
5% cobalt-alloyed jobber drills with high heat resistance for drilling steels with tensile strength over 800 N/mm², specially suitable for high alloyed steels, bearing-steels, hot/cold-rolled steels.



## I Punte elicoidali serie lunga, DIN 340 RN

**Impiego:**  
Punte al 5% Co ad elevata resistenza al calore adatte per la foratura di acciai altamente legati e con R > 800 N/mm².



| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 503<br>Art.-Nr. |    |
|------------|----------|----------|----------------------|----|
| 1,00       | 56       | 33       | 00 503001001 00      | 10 |
| 1,10       | 60       | 37       | 00 503001101 00      | 10 |
| 1,20       | 65       | 41       | 00 503001201 00      | 10 |
| 1,30       | 65       | 41       | 00 503001301 00      | 10 |
| 1,40       | 70       | 45       | 00 503001401 00      | 10 |
| 1,50       | 70       | 45       | 00 503001501 00      | 10 |
| 1,60       | 76       | 50       | 00 503001601 00      | 10 |
| 1,70       | 76       | 50       | 00 503001701 00      | 10 |
| 1,80       | 80       | 53       | 00 503001801 00      | 10 |
| 1,90       | 80       | 53       | 00 503001901 00      | 10 |

(1) ≥ Ø 2,5 mm

| Ø h8<br>mm | l1<br>mm | l2<br>mm | Code 503<br>Art.-Nr. |    |
|------------|----------|----------|----------------------|----|
| 2,00       | 85       | 56       | 00 503002001 00      | 10 |
| 2,10       | 85       | 56       | 00 503002101 00      | 10 |
| 2,20       | 90       | 59       | 00 503002201 00      | 10 |
| 2,30       | 90       | 59       | 00 503002301 00      | 10 |
| 2,40       | 95       | 62       | 00 503002401 00      | 10 |
| 2,50       | 95       | 62       | 00 503002501 00      | 10 |
| 2,60       | 95       | 62       | 00 503002601 00      | 10 |
| 2,70       | 100      | 66       | 00 503002701 00      | 10 |
| 2,80       | 100      | 66       | 00 503002801 00      | 10 |
| 2,90       | 100      | 66       | 00 503002901 00      | 10 |