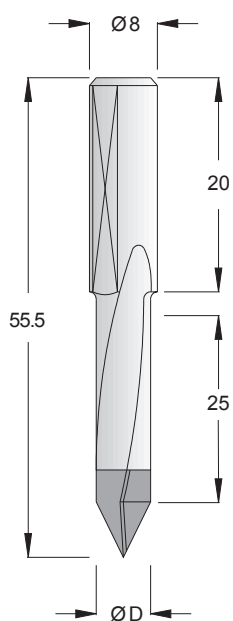


50 J

HW Punta componibile per fori passanti

HW Through bore drill bits HW Mèches à percer
 HW Durchgangslochbohrer HW Broca para agujero pasante



| Ø D | DX - RH | SX - LH |
|-----|-----------|-----------|
| 5 | 50J.050.R | 50J.050.L |
| 6 | 50J.060.R | 50J.060.L |
| 8 | 50J.080.R | 50J.080.L |
| 10 | 50J.100.R | 50J.100.L |

Ø S = 8 X 20 mm. L = 55.5 mm. l = 25 mm.
 S = 3000 ÷ 6000 rpm. F = 1 ÷ 2,5 mt./min.



Z2



PTFE

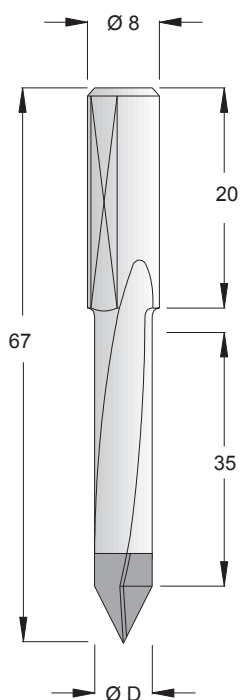


CNC

50Z

HW Punta componibile per fori passanti

HW Through bore drill bits HW Mèches à percer
 HW Durchgangslochbohrer HW Broca para agujero pasante



| Ø D | DX - RH | SX - LH |
|-----|-----------|-----------|
| 5 | 50Z.050.R | 50Z.050.L |
| 6 | 50Z.060.R | 50Z.060.L |
| 8 | 50Z.080.R | 50Z.080.L |
| 10 | 50Z.100.R | 50Z.100.L |

Ø S = 8 X 20 mm. L = 67 mm. l = 35 mm.
 S = 3000 ÷ 6000 rpm. F = 1 ÷ 2,5 mt./min.



Z2



PTFE



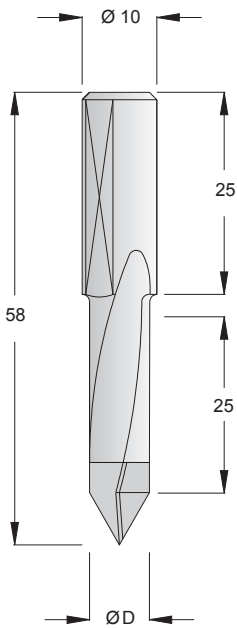
CNC

50N

HW Punta componibile per fori passanti

HW Through bore drill bits
HW Durchgangslochbohrer

HW Mèches à percer
HW Broca para agujero pasante



| $\varnothing D$ | | DX - RH | SX - LH |
|-----------------|------|-----------|-----------|
| 4 | | 50N.040.R | 50N.040.L |
| 5 | | 50N.050.R | 50N.050.L |
| 6 | | 50N.060.R | 50N.060.L |
| 6,35 | 1/4" | 50N.063.R | 50N.063.L |
| 7 | | 50N.070.R | 50N.070.L |
| 8 | | 50N.080.R | 50N.080.L |
| 9 | | 50N.090.R | 50N.090.L |
| 10 | | 50N.100.R | 50N.100.L |
| 12 | | 50N.120.R | 50N.120.L |

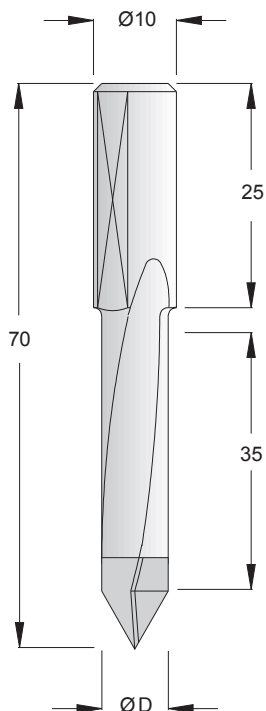
$\varnothing S = 10 \times 25$ mm. $L = 58$ mm. $l = 25$ mm.
 $S = 3000 \div 6000$ rpm. $F = 1 \div 2,5$ mt./min.

**Z2****PTFE****CNC****50Q**

HW Punta componibile per fori passanti

HW Through bore drill bits
HW Durchgangslochbohrer

HW Mèches à percer
HW Broca para agujero pasante



| $\varnothing D$ | | DX - RH | SX - LH |
|-----------------|------|-----------|-----------|
| 4 | | 50Q.040.R | 50Q.040.L |
| 5 | | 50Q.050.R | 50Q.050.L |
| 5,5 | | 50Q.055.R | 50Q.055.L |
| 6 | | 50Q.060.R | 50Q.060.L |
| 6,35 | 1/4" | 50Q.063.R | 50Q.063.L |
| 7 | | 50Q.070.R | 50Q.070.L |
| 8 | | 50Q.080.R | 50Q.080.L |
| 9 | | 50Q.090.R | 50Q.090.L |
| 9,5 | | 50Q.095.R | 50Q.095.L |
| 10 | | 50Q.100.R | 50Q.100.L |
| 11 | | 50Q.110.R | 50Q.110.L |
| 12 | | 50Q.120.R | 50Q.120.L |

$\varnothing S = 10 \times 25$ mm. $L = 70$ mm. $l = 35$ mm.
 $S = 3000 \div 6000$ rpm. $F = 1 \div 2,5$ mt./min.

**Z2****PTFE****CNC**

50 K

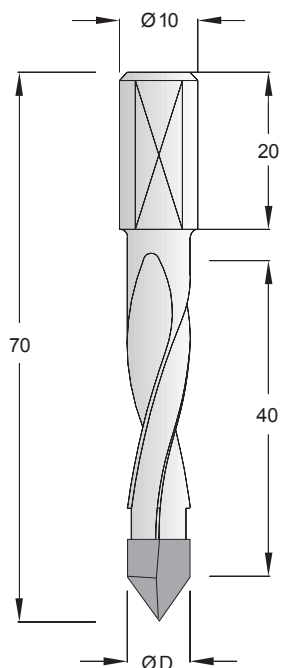
HW Punta componibile per fori passanti

HW Through bore drill bits

HW Mèches à percer

HW Durchgangslochbohrer

HW Broca para agujero pasante



| Ø D | DX - RH | SX - LH |
|------|-----------|-----------|
| 5 | 50K.050.R | 50K.050.L |
| 6 | 50K.060.R | 50K.060.L |
| 6,35 | 1/4" | 50K.063.R |
| 7 | 50K.070.R | 50K.070.L |
| 8 | 50K.080.R | 50K.080.L |
| 9 | 50K.090.R | 50K.090.L |
| 10 | 50K.100.R | 50K.100.L |
| 11 | 50K.110.R | 50K.110.L |
| 12 | 50K.120.R | 50K.120.L |

Ø S = 10 X 20 mm. L = 70 mm. l = 40 mm.
S = 3000 ÷ 6000 rpm. F = 1 ÷ 2,5 mt./min.



Z2



PTFE



CNC

50W

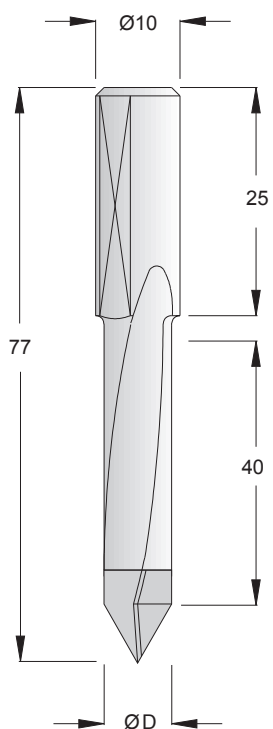
HW Punta componibile per fori passanti

HW Through bore drill bits

HW Mèches à percer

HW Durchgangslochbohrer

HW Broca para agujero pasante



| Ø D | DX - RH | SX - LH |
|-----|-----------|-----------|
| 5 | 50W.050.R | 50W.050.L |
| 6 | 50W.060.R | 50W.060.L |
| 8 | 50W.080.R | 50W.080.L |
| 10 | 50W.100.R | 50W.100.L |
| 12 | 50W.120.R | 50W.120.L |

Ø S = 10 X 25 mm. L = 77 mm. l = 40 mm.
S = 3000 ÷ 6000 rpm. F = 1 ÷ 2,5 mt./min.



Z2



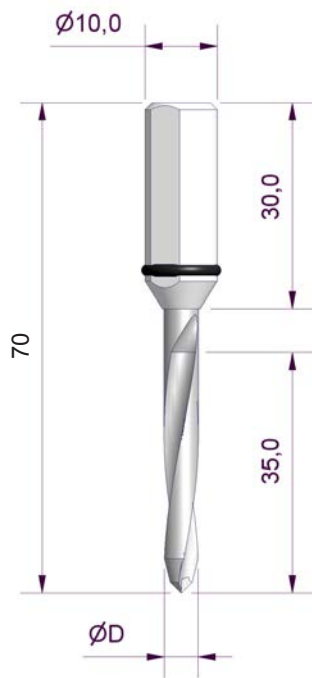
PTFE



CNC

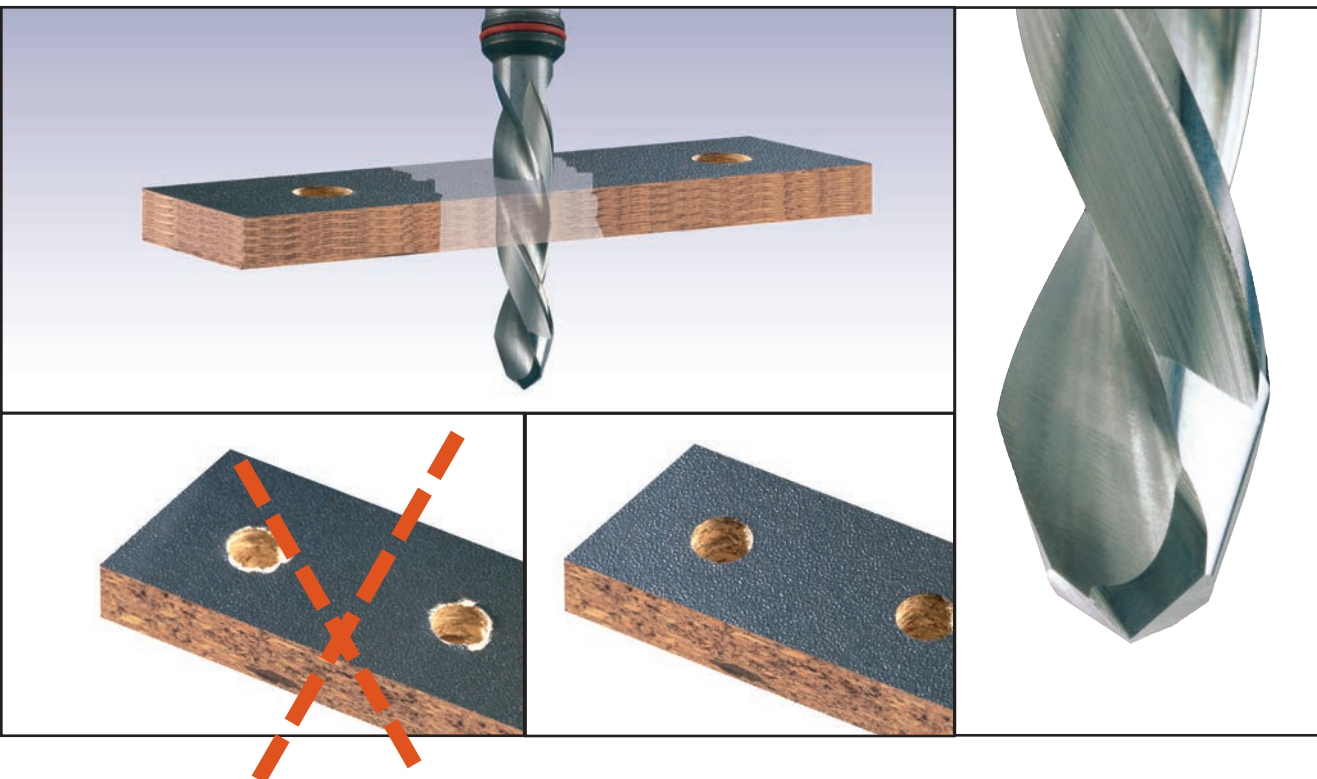
71Q

HW Integrale punta speciale per fori passanti

*Solid carbide special through hole drill bits**HW Monobloc mèches à percer**VHM Spezialdurchgangsbohrer HW Integral broca para agujero pasante*

| Ø D | L | DX - RH | SX - LH |
|-----|------|-----------|-----------|
| 5 | 70,0 | 71Q.050.R | 71Q.050.L |
| 6 | 70,0 | 71Q.060.R | 71Q.060.L |
| 8 | 70,0 | 71Q.080.R | 71Q.080.L |

Ø S = 10 X 30 mm. L = 70 mm. l = 35 mm.
S = 4000 ÷ 8000 rpm. F = 1 ÷ 6 mt./min.



61Q

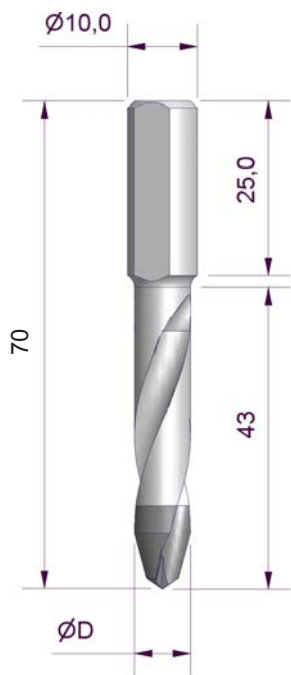
HW punta speciale per fori passanti

HW special through hole drill bits

HW mèches à percer

HW Spezialdurchgangsbohrer

HW broca para agujero pasante



| $\varnothing D$ | L | DX - RH | SX - LH |
|-----------------|------|-----------|-----------|
| 5 | 70,0 | 61Q.050.R | 61Q.050.L |
| 6 | 70,0 | 61Q.060.R | 61Q.060.L |
| 8 | 70,0 | 61Q.080.R | 61Q.080.L |

$\varnothing S = 10 \times 25 \text{ mm.}$ $L = 70 \text{ mm.}$ $l = 43 \text{ mm.}$
 $S = 4000 \div 8000 \text{ rpm.}$ $F = 1 \div 6 \text{ mt./min.}$



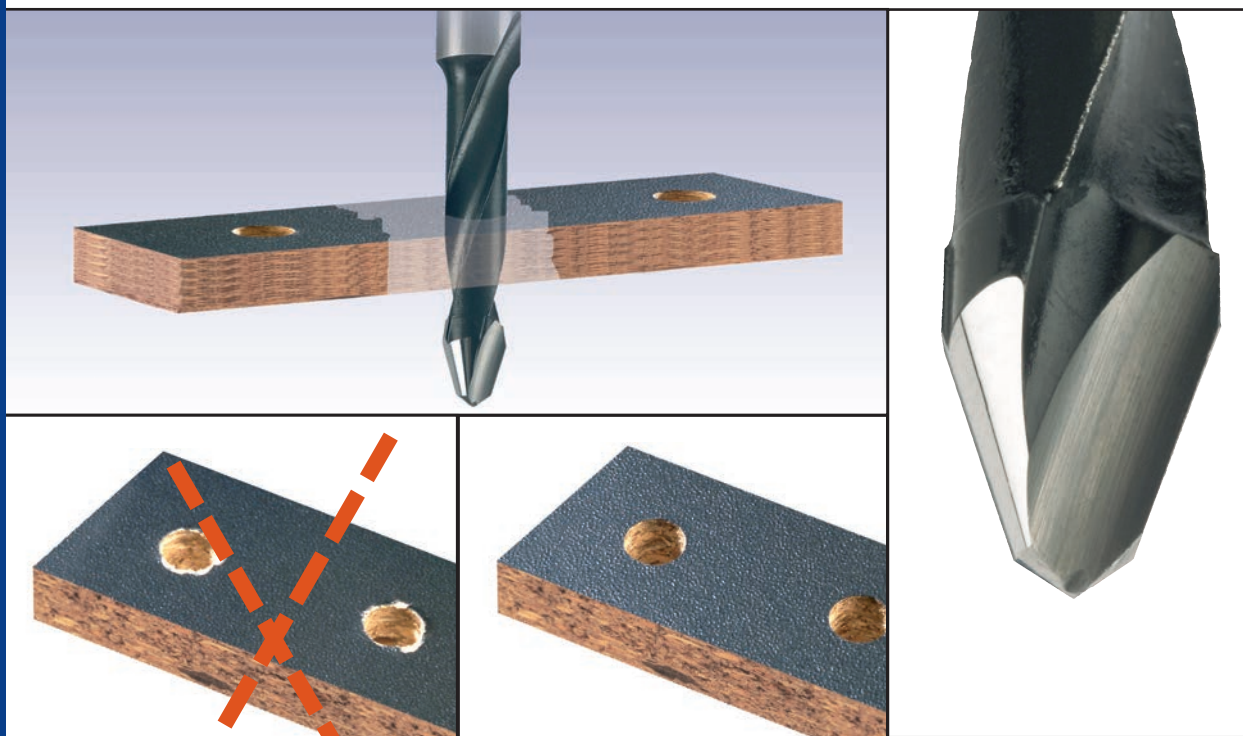
Z2



PTFE

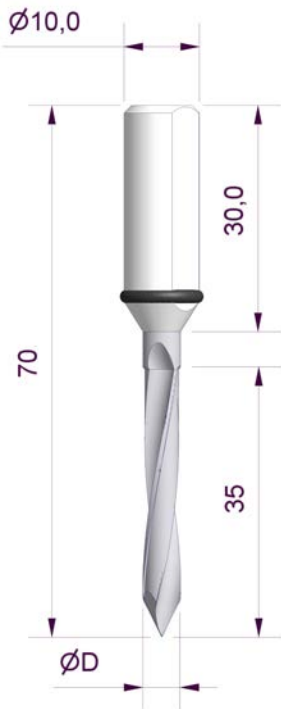


CNC



70Q

HW Integrale punta speciale per fori passanti

*Solid carbide special through hole drill bits**HW Monobloc mèches à percer**VHM Spezialdurchgangsbohrer**HW Integral broca para agujero pasante*

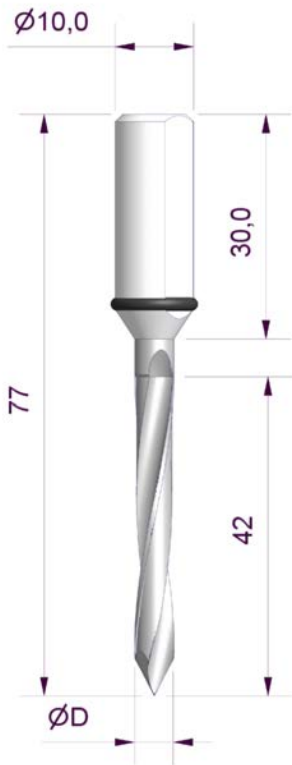
| Ø D | L | DX - RH | SX - LH |
|-----|------|-----------|-----------|
| 5 | 70,0 | 70Q.050.R | 70Q.050.L |
| 6 | 70,0 | 70Q.060.R | 70Q.060.L |
| 8 | 70,0 | 70Q.080.R | 70Q.080.L |

Ø S = 10 X 30 mm. L = 70 mm. l = 35 mm.
 S = 4000 ÷ 8000 rpm. F = 1 ÷ 4 mt./min.

**Z2****MICRO****CNC**

70W

HW Integrale punta speciale per fori passanti

*Solid carbide special through hole drill bits**HW Monobloc mèches à percer**VHM Spezialdurchgangsbohrer HW Integral broca para agujero pasante*

| $\varnothing D$ | L | DX - RH | SX - LH |
|-----------------|------|-----------|-----------|
| 5 | 77,0 | 70W.050.R | 70W.050.L |
| 6 | 77,0 | 70W.060.R | 70W.060.L |
| 8 | 77,0 | 70W.080.R | 70W.080.L |

$\varnothing S = 10 \times 30$ mm. L = 77 mm. l = 42 mm.
 S = 4000 ÷ 8000 rpm. F = 1 ÷ 6 mt./min.

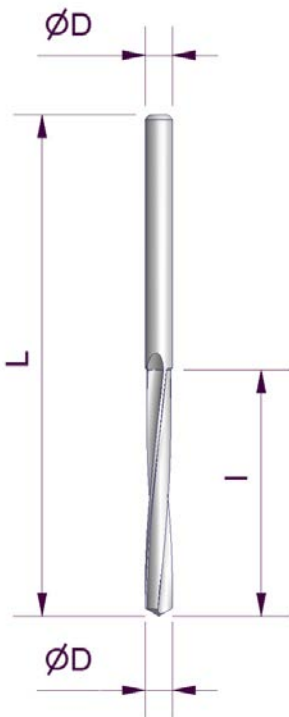


50V

HW Punta componibile integrale

HW Jobber drill bits
VHM Vollhartmetall Spiralbohrer

HW Monobloc Mèches à percer
Broca MD integral



| Ø D | L | I | DX - RH | SX - LH |
|-----|----|----|-----------|-----------|
| 2 | 49 | 16 | 50V.020.R | 50V.020.L |
| 2,5 | 55 | 27 | 50V.025.R | 50V.025.L |
| 3 | 55 | 27 | 50V.030.R | 50V.030.L |
| 3,2 | 55 | 27 | 50V.032.R | 50V.032.L |
| 3,5 | 55 | 27 | 50V.035.R | 50V.035.L |
| 4 | 55 | 27 | 50V.040.R | 50V.040.L |
| 5 | 55 | 27 | 50V.050.R | 50V.050.L |

$$\varnothing S = \varnothing D$$

$$S = 3000 \div 8000 \text{ rpm.}$$

$$F = 1 \div 4 \text{ mt./min.}$$

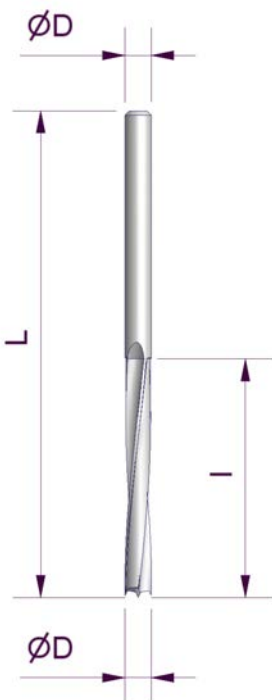


52V

HW Punta componibile integrale

HW Solid carbide drill bits
VHM Vollhartmetall Spiralbohrer

HW Monobloc mèches à percer
Broca MD integral



| Ø D | L | I | DX - RH | SX - LH |
|-----|----|----|-----------|-----------|
| 2 | 49 | 16 | 52V.020.R | 52V.020.L |
| 2,5 | 55 | 27 | 52V.025.R | 52V.025.L |
| 3 | 55 | 27 | 52V.030.R | 52V.030.L |
| 3,2 | 55 | 27 | 52V.032.R | 52V.032.L |
| 3,5 | 55 | 27 | 52V.035.R | 52V.035.L |
| 4 | 55 | 27 | 52V.040.R | 52V.040.L |
| 5 | 55 | 27 | 52V.050.R | 52V.050.L |

$$\varnothing S = \varnothing D$$

$$S = 3000 \div 8000 \text{ rpm.}$$

$$F = 1 \div 4 \text{ mt./min.}$$

