



Drill Bits

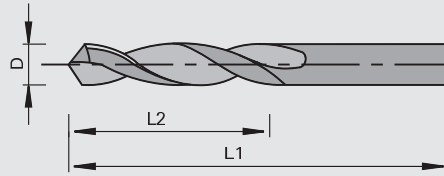
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130010

Twist Drills with solid carbide body

Product

Drawing



Solid Tungsten Carbide

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for drilling of through holes and dowel holes in solid woods and wood-based panels

Design

- | 2 v-point cutting edges
- | solid carbide design
- | cutting \varnothing = shank \varnothing
- | tip angle 120°

Advantages

- | high feed rates possible
- | large resharpenable area

Notes

- | clamping element: draw-in collet chuck, adapter Class-No. 933389, drill chuck

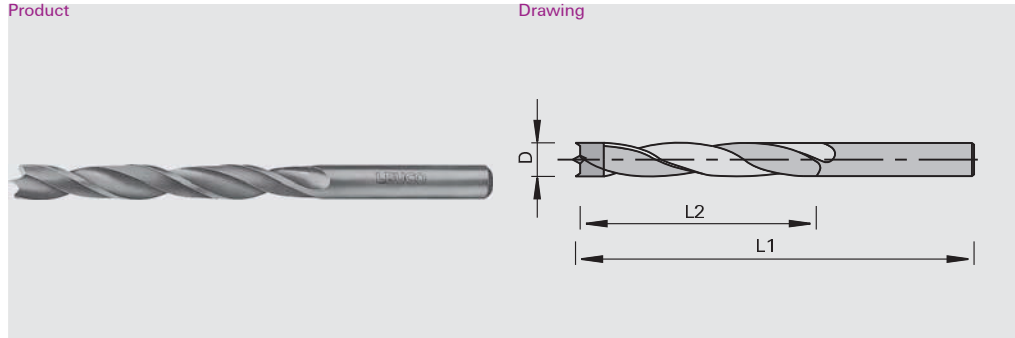
| \varnothing D | L2 | L1 | Ident-No. [L] | Ident-No. [R] |
|-----------------|------|------|---------------|---------------|
| 2.0 | 25 | 50 | 182625 | 182626 |
| 2.5 | 27 | 55 | 182627 | 182628 |
| 3.0 | 27 | 55 | 182629 | 182630 |
| 3.5 | 27 | 52 | 182631 | 182632 |
| 4.0 | 27 | 55 | 182633 | 182634 |
| 5.0 | 28 | 60 | 182635 | 182636 |
| [mm] | [mm] | [mm] | | |

130010

Twist Drills HW

Product

Drawing



LEUCO DUR

tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | centering point
- | cutting Ø = shank Ø
- | 2 negative spurs
- | spiral with back-guide
- | plastic coated
- | HW-tipped

Advantages

- | safe drilling thanks to centering point
- | protection of the hole edge upon exiting thanks to spiral with back guide
- | optimum chip evacuation thanks to plastic coating
- | chip-free hole edges thanks to negative spurs

Notes

- | clamping element: draw-in collet chuck, drill chuck

| Ø D | L2 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|---------------|---------------|
| 5.0 | 35 | 70 | 173145 o | 167929 |
| 6.0 | 35 | 70 | | 167930 o |
| 7.0 | 35 | 70 | | 167931 o |
| 8.0 | 35 | 70 | 173148 o | 167932 o |
| 10 | 35 | 70 | 173150 o | 167934 o |
| 12 | 35 | 70 | | 167936 o |
| 4.0 | 55 | 80 | | 160503 |
| 4.5 | 60 | 85 | | 160504 o |
| 5.0 | 60 | 90 | | 160505 |
| 5.5 | 65 | 100 | | 164243 o |
| 6.0 | 65 | 100 | | 160506 |
| 6.5 | 70 | 110 | | 164244 o |
| 7.0 | 70 | 110 | | 160507 o |
| 8.0 | 75 | 120 | | 160508 |
| 8.5 | 80 | 130 | | 164245 o |
| 9.0 | 80 | 130 | | 160509 o |
| 10 | 90 | 140 | | 160510 |
| 11 | 95 | 150 | | 160511 o |
| 12 | 100 | 155 | | 160512 |
| [mm] | [mm] | [mm] | | |

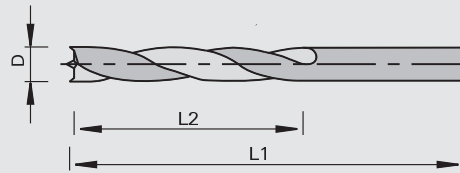


330010

Twist Drills HS

Product

Drawing



High Speed Steel [HS]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | for drilling of dowel holes in solid woods

Design

- | 2 spurs
- | centering point
- | special coating
- | cutting \varnothing = shank \varnothing
- | HS design

Advantages

- | chip-free hole edges thanks to spurs
- | safe drilling thanks to centering point
- | long edge lives thanks to special coating

Notes

- | clamping element: draw-in collet chuck, drill chuck

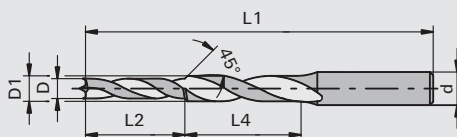
| \varnothing D | L2 | L1 | Ident-No. [L] | Ident-No. [R] |
|-----------------|------|------|---------------|---------------|
| 2.0 | 22 | 49 | 167671 | 167669 |
| 2.5 | 25 | 57 | 167672 | 167670 |
| 3.0 | 30 | 61 | 160530 | 160518 |
| 3.5 | 35 | 70 | 160531 o | 160519 o |
| 4.0 | 40 | 75 | 160532 | 160520 |
| 4.5 | 45 | 80 | 160533 o | 160521 |
| 5.0 | 45 | 83 | 160534 | 160522 |
| 5.5 | 50 | 90 | 160535 o | 160523 o |
| 6.0 | 50 | 90 | 160536 o | 160524 o |
| 6.5 | 55 | 98 | 177175 o | 160525 o |
| 7.0 | 60 | 105 | 177176 o | 160526 o |
| 7.5 | 60 | 105 | | 177177 o |
| 8.0 | 70 | 113 | 160539 o | 160527 |
| 8.5 | 70 | 113 | | 177178 o |
| 9.0 | 75 | 120 | | 160528 o |
| 10 | 80 | 130 | | 160529 o |
| [mm] | [mm] | [mm] | | |

330710

Step Drills HS for drill-in hinges

Product

Drawing



High Speed Steel [HS]

MAN

Machine / Application

- | automatic boring machines
- | CNC machining centers
- | for step-drillings for screw-in of drill-in hinges such as Anuba, Simons, etc

Design

- | 2 spurs
- | centering point
- | cylindrical shank without clamping surface
- | post-drill with countersink 45°
- | HS design

Advantages

- | safe drilling thanks to centering point

Notes

| Hole diameter 1 | Ø D | Ø D1 | L4 | L2 | Ø d | L3 | L1 | Ident-No. |
|-----------------|------|------|------|------|------|------|------|------------|
| 14,5 | 6.3 | 7.2 | 40 | 24 | 10 | 30 | 105 | R 183092 o |
| 16 | 6.7 | 7.7 | 35 | 30 | 10 | 30 | 105 | R 183093 o |
| 18 | 7.7 | 8.7 | 35 | 30 | 10 | 30 | 105 | R 183094 o |
| 20 | 8.8 | 9.8 | 35 | 30 | 10 | 30 | 105 | R 183095 o |
| 13/15 | 6 | 6.8 | 50 | 15 | 10 | 30 | 105 | R 183096 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | |



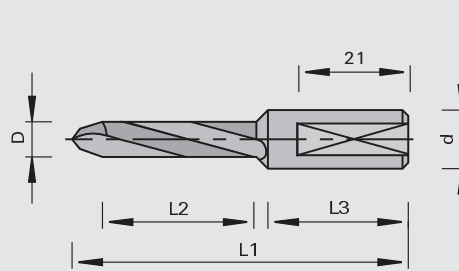
130012

Through-Hole Bits HW - Topline

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for drilling of through-holes in solid woods and wood-based panels

Design

- | cylindrical shank with clamping surface
- | new cutting geometry
- | HW-tipped

Advantages

- | increased edge lives compared to traditional through-hole bits thanks to special HW and special grinding
- | chip-free hole edges thanks to special cutting edge geometry

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck
- | other dimensions possible with minimum quantities of 10 pieces; price and delivery time on request

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 25 | 10 | 25 | 57.5 | 177804 | 177805 |
| 8 | 25 | 10 | 25 | 57.5 | 177806 | 177807 |
| 5 | 30 | 10 | 30 | 70 | 178648 | 178649 |
| 8 | 30 | 10 | 30 | 70 | 178650 | 178651 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

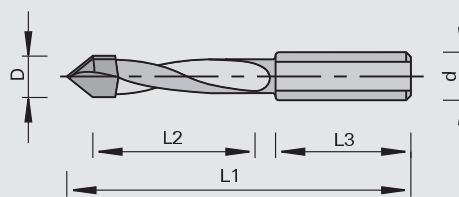
130013

Mosquito Through-Hole Bits HW

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of through-holes in solid woods and wood-based panels

Design

- | special cutting edge geometry
- | HW-plunging tip made from super-fine grain material

Advantages

- | chip-free hole edges thanks to special cutting edge geometry
- | long edge lives thanks to HW plunging tip
- | high process safety thanks to constant quality of the bores for a long time

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

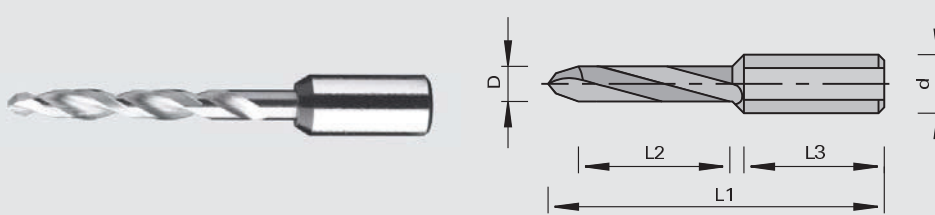
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 27 | 10 | 26 | 57.5 | 182458 | 182459 |
| 8 | 27 | 10 | 26 | 57.5 | 182460 o | 182461 o |
| 5 | 35 | 10 | 26 | 70 | 182462 | 182463 |
| 6 | 35 | 10 | 26 | 70 | 183689 o | 183688 o |
| 7 | 35 | 10 | 26 | 70 | 183691 | 183690 |
| 8 | 35 | 10 | 26 | 70 | 182464 | 182465 |
| 10 | 35 | 10 | 26 | 70 | 183693 | 183692 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

130013

Mosquito Through-Hole Bits with solid carbide body

Product

Drawing



MOSQUITO

Solid Tungsten Carbide

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of through-holes in solid woods and wood-based panels

Design

- | special cutting edge geometry
- | boring part made from fine-grain solid tungsten carbide

Advantages

- | chip-free hole edges thanks to special cutting edge geometry
- | high feed rates and edge lives increased up to sixfold compared to traditional dowel bits thanks to solid carbide design
- | high process safety thanks to constant quality of the bores for a long time

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 included in delivery
- | through-hole bit with shank length L3=24 mm is not suitable for Weeke adjusting screw
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 3 | 27 | 10 | 30 | 70 | 183687 | 183686 |
| 4 | 35 | 10 | 24 | 70 | 183167 | 183166 |
| 5 | 35 | 10 | 24 | 70 | 183153 | 183152 |
| 6 | 35 | 10 | 24 | 70 | 183155 | 183154 |
| 8 | 35 | 10 | 24 | 70 | 183157 | 183156 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [R] |
|------|------|------|------|------|---------------|
| 6 | 35 | 10 | 50 | 100 | 184289 |
| [mm] | [mm] | [mm] | [mm] | [mm] | |

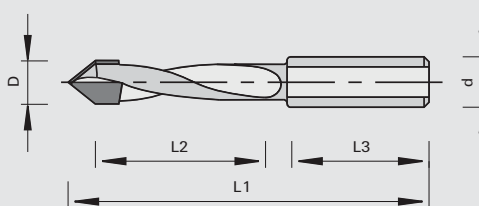
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130011

Ecoline Through-Hole Bits HW

Product

Drawing

LEUCO
ecolineLEUCO
DUR

tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for drilling of through-holes in solid woods and wood-based panels

Design

- | 2 v-point cutting edges with 60 degrees
- | cylindrical shank with clamping surface
- | spiral without back guide
- | plunging tip with carbide plate for reduced demands

Advantages

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 39 | 10 | 20 | 70 | 183389 | 183388 |
| 7 | 42 | 10 | 20 | 70 | 183391 | 183390 |
| 8 | 44 | 10 | 20 | 70 | 183393 | 183392 |
| 5 | 46 | 10 | 20 | 77 | 183395 | 183394 |
| 8 | 51 | 10 | 20 | 77 | 183397 | 183396 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

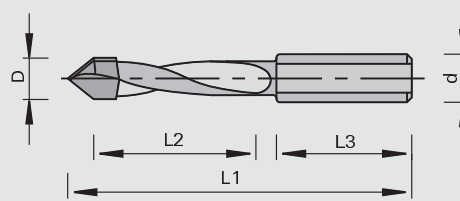
130015

Through-Hole Bits HW - without back-guide

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for drilling of through-holes in solid woods and wood-based panels

Design

- | 2 v-point cutting edges (60 degree angle)
- | HW-tipped
- | cylindrical shank with clamping surface
- | spiral without back guide

Advantages

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

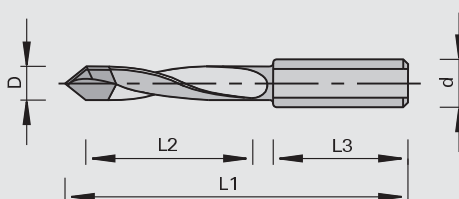
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 4 | 27 | 10 | 25 | 57.5 | 182239 o | 182240 o |
| 5 | 25 | 10 | 25 | 57.5 | 055827 | 055823 |
| 5.1 | 25 | 10 | 25 | 57.5 | 176473 o | 176472 o |
| 6 | 25 | 10 | 25 | 57.5 | 176475 | 176474 |
| 7 | 27 | 10 | 25 | 57.5 | 182245 o | 182246 o |
| 8 | 22 | 10 | 25 | 57.5 | 055830 | 055826 |
| 3 | 27 | 10 | 25 | 70 | 182237 o | 182238 o |
| 4 | 35 | 10 | 25 | 70 | 182241 | 182242 |
| 5 | 35 | 10 | 25 | 70 | 176505 | 176504 |
| 5.5 | 35 | 10 | 25 | 70 | 182243 o | 182244 o |
| 6 | 35 | 10 | 25 | 70 | 176259 | 176258 |
| 7 | 35 | 10 | 25 | 70 | 181581 | 181582 |
| 8 | 35 | 10 | 25 | 70 | 176507 | 176506 |
| 10 | 35 | 10 | 25 | 70 | 182669 o | 182670 o |
| 11 | 35 | 10 | 25 | 70 | 182249 o | 182250 o |
| 5 | 45 | 10 | 25 | 77 | 176477 | 176476 |
| 6 | 45 | 10 | 25 | 77 | 176479 | 176478 |
| 7 | 45 | 10 | 25 | 77 | 182251 o | 182252 o |
| 8 | 43 | 10 | 25 | 77 | 176481 | 176480 |
| 9 | 42 | 10 | 25 | 77 | 182253 o | 182254 o |
| 10 | 42 | 10 | 25 | 77 | 176483 | 176482 |
| 11 | 40 | 10 | 25 | 77 | 182255 o | 182256 o |
| 12 | 40 | 10 | 25 | 77 | 176485 | 176484 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

130015

Through-Hole Bits HW - with back-guide

Product

Drawing

LEUCO
DUR

tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for drilling of through-holes in solid woods and wood-based panels

Design

- | 2 v-point cutting edges (60 degree angle)
- | HW-tipped
- | cylindrical shank with clamping surface
- | spiral with back-guide

Advantages

- | protection of the hole edge upon exiting thanks to spiral with back guide

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | adjustable countersink attachment on the boring spiral for simultaneous chamfering of the hole
- | shell countersink Class-No. 130660
- | clamping elements: combi chuck, quick-change chuck

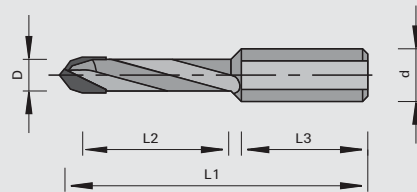
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 25 | 8 | 20 | 55.5 | 176497 o | 176496 o |
| 8 | 25 | 8 | 20 | 55.5 | 176499 o | 176498 o |
| 5 | 25 | 10 | 20 | 57.5 | 173604 | 173595 |
| 8 | 25 | 10 | 20 | 57.5 | 173611 o | 173596 o |
| 5 | 35 | 8 | 20 | 67 | 176501 | 176500 |
| 8 | 35 | 8 | 20 | 67 | 176503 | 176502 |
| 5 | 35 | 10 | 25 | 70 | 176255 | 176254 |
| 8 | 35 | 10 | 25 | 70 | 176257 | 176256 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

230012

Through-Hole Bits DP

Product

Drawing



polycrystalline diamond [DP]

MEC

Machine / Application

- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling in raw and laminated panels and composite materials

Design

- | special cutting edge geometry, roof-shaped tip and double chamfer
- | spiral without back guide
- | DP-tipped

Advantages

- | long edge life when machining extremely abrasive materials
- | chip-free hole edges thanks to special cutting edge geometry

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

| Ø D | L2 | Ø d | L3 | L1 | Z | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---|---------------|---------------|
| 5 | 27 | 10 | 26 | 57.5 | 1 | 183015 s | 183014 s |
| 5 | 35 | 10 | 26 | 70 | 1 | 183017 s | 183016 s |
| 6 | 35 | 10 | 26 | 70 | 2 | 183019 s | 183018 s |
| 8 | 35 | 10 | 26 | 70 | 2 | 183021 s | 183020 s |
| 10 | 35 | 10 | 26 | 70 | 2 | 183049 s | 183050 s |
| [mm] | [mm] | [mm] | [mm] | [mm] | | | |

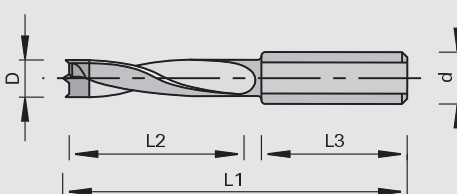
130215

Dowel Bits HW - with back-guide

Product



Drawing

LEUCO
DWUR

tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | 2 negative spurs
- | centering point
- | spiral with back-guide
- | plastic coated
- | HW-tipped

Advantages

- | chip-free hole edges thanks to spurs
- | safe drilling thanks to centering point
- | protection of the hole edge upon exiting thanks to spiral with back guide
- | optimum chip evacuation thanks to plastic coating

Notes

- | adjusting screw: Ident-No. 001600 M5x10 DIN 551 for precise length adjustment
- | adjustable countersink attachment on the boring spiral for simultaneous chamfering of the hole
- | shell countersink Class-No. 130660
- | clamping element: combi chuck, quick-change chuck

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 4 | 30 | 8 | 19 | 55.5 | 166107 o | 166106 o |
| 5 | 30 | 8 | 19 | 55.5 | 011543 | 011542 |
| 6 | 30 | 8 | 19 | 55.5 | 054884 | 054883 |
| 8 | 30 | 8 | 19 | 55.5 | 054892 | 054891 |
| 10 | 30 | 8 | 19 | 55.5 | 054896 | 054895 |
| 12 | 30 | 8 | 20 | 55.5 | 166113 o | 166112 o |
| 4 | 40 | 8 | 19 | 67 | | 167154 o |
| 5 | 40 | 8 | 19 | 67 | 057494 | 057493 |
| 6 | 40 | 8 | 19 | 67 | 057496 o | 057495 |
| 7 | 40 | 8 | 19 | 67 | 167167 | 167157 |
| 8 | 40 | 8 | 19 | 67 | 057498 | 057497 |
| 9 | 40 | 8 | 19 | 67 | 167169 | 167159 |
| 10 | 40 | 8 | 19 | 67 | 057500 | 057499 |
| 12 | 40 | 8 | 19 | 67 | 167172 o | 167162 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 30 | 10 | 19 | 57.5 | 167184 | 167174 |
| 6 | 30 | 10 | 20 | 57.5 | 167185 | 167175 |
| 7 | 30 | 10 | 20 | 57.5 | 167186 | 167176 |
| 8 | 30 | 10 | 20 | 57.5 | 167187 | 167177 |
| 10 | 30 | 10 | 20 | 57.5 | 167188 | 167178 |
| 12 | 30 | 10 | 20 | 57.5 | 167189 | 167179 |
| 13 | 30 | 10 | 20 | 57.5 | 167190 o | 167180 |
| 14 | 30 | 10 | 20 | 57.5 | 167191 | 167181 |
| 15 | 30 | 10 | 20 | 57.5 | 167192 | 167182 |
| 16 | 30 | 10 | 20 | 57.5 | 167193 o | 167183 o |
| 5 | 43 | 10 | 19 | 70 | 167203 | 167194 |
| 6 | 43 | 10 | 19 | 70 | 167204 | 167195 |
| 8 | 43 | 10 | 19 | 70 | 167205 | 167196 |
| 9 | 43 | 10 | 19 | 70 | 167206 o | 167197 |
| 10 | 43 | 10 | 19 | 70 | 167207 | 167198 |
| 12 | 43 | 10 | 19 | 70 | 167208 | 167199 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

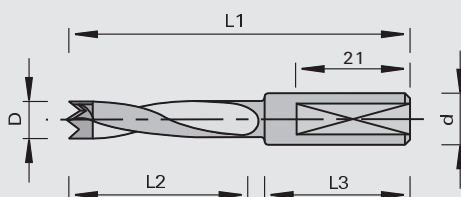
130212

Dowel Bits HW - Topline

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | special cutting edge geometry
- | centering point
- | HW-tipped

Advantages

- | tool life increased up to tenfold compared to traditional dowel bits thanks to special HW and special grinding
- | chip-free hole edges thanks to special cutting edge geometry
- | safe drilling thanks to centering point

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck
- | other dimensions possible with minimum quantities of 10 pieces; price and delivery time on request

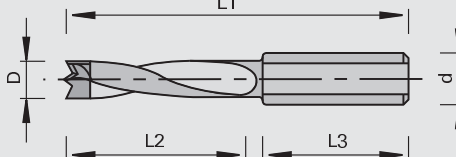
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 30 | 8 | 19 | 55.5 | 178695 | 178696 |
| 4 | 20 | 10 | 27 | 57.5 | 179464 | 179465 |
| 5 | 25 | 10 | 27 | 57.5 | 177792 | 177793 |
| 6 | 25 | 10 | 27 | 57.5 | 177794 | 177795 |
| 8 | 25 | 10 | 27 | 57.5 | 177796 | 177797 |
| 10 | 30 | 10 | 27 | 57.5 | 178789 | 178788 |
| 4 | 20 | 10 | 30 | 70 | 179466 | 179467 |
| 5 | 35 | 10 | 30 | 70 | 177798 | 177799 |
| 6 | 35 | 10 | 30 | 70 | 177800 | 177801 |
| 8 | 35 | 10 | 30 | 70 | 177802 | 177803 |
| 10 | 35 | 10 | 30 | 70 | 178703 | 178704 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

130213

Mosquito Dowel Bits HW

Product

Drawing



MOSQUITO

tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | special cutting edge geometry
- | 2 spurs
- | centering point
- | HW-tipped

Advantages

- | chip-free hole edges thanks to special cutting edge geometry with spurs
- | safe drilling thanks to centering point
- | high process safety thanks to constant quality of the bores for a long time
- | tool life increased up to sixfold compared to traditional dowel bits thanks to wear-resistant HW plunging tip

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

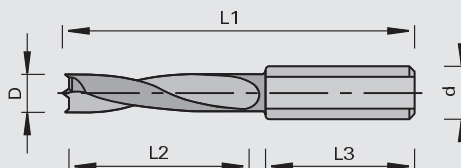
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 25 | 10 | 27 | 57.5 | 181168 | 181167 |
| 6 | 25 | 10 | 27 | 57.5 | 181522 | 181521 |
| 7 | 27 | 10 | 27 | 57.5 | 183159 o | 183158 o |
| 8 | 25 | 10 | 27 | 57.5 | 181170 | 181169 |
| 9 | 27 | 10 | 27 | 57.5 | 183161 o | 183160 o |
| 10 | 25 | 10 | 27 | 57.5 | 181524 | 181523 |
| 5 | 35 | 10 | 30 | 70 | 181172 | 181171 |
| 6 | 35 | 10 | 30 | 70 | 181526 | 181525 |
| 7 | 35 | 10 | 30 | 70 | 183163 | 183162 |
| 8 | 35 | 10 | 30 | 70 | 181174 | 181173 |
| 9 | 35 | 10 | 30 | 70 | 183165 o | 183164 o |
| 10 | 35 | 10 | 30 | 70 | 181528 | 181527 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

130213

Mosquito Dowel Bits with solid carbide body

Product

Drawing



MOSQUITO

Solid Tungsten Carbide

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | special cutting edge geometry
- | 2 spurs
- | centering point
- | boring part made from fine-grain solid tungsten carbide

Advantages

- | chip-free hole edges thanks to special cutting edge geometry with spurs
- | safe drilling thanks to centering point
- | high feed rates and edge lives increased up to sixfold compared to traditional dowel bits thanks to solid carbide design
- | high process safety thanks to constant quality of the bores for a long time

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 included in delivery
- | through-hole bit with shank length L3=22 mm is not suitable for Weeke adjusting screw
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

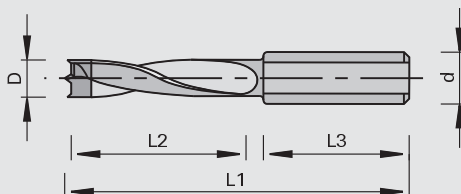
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 3 | 9 | 10 | 35 | 57.5 | 183143 o | 183142 o |
| 3 | 18 | 10 | 31 | 57.5 | 182380 | 182381 |
| 4 | 20 | 10 | 29 | 57.5 | 182382 o | 182383 o |
| 5 | 22 | 10 | 27 | 57.5 | 182384 | 182385 |
| 6 | 22 | 10 | 25 | 57.5 | 183145 o | 183144 o |
| 8 | 22 | 10 | 25 | 57.5 | 183147 o | 183146 o |
| 3 | 18 | 10 | 43.5 | 70 | 182386 | 182387 |
| 4 | 27 | 10 | 34.5 | 70 | 182388 | 182389 |
| 5 | 30 | 10 | 31.5 | 70 | 182390 | 182391 |
| 6 | 30 | 10 | 30 | 70 | 183149 | 183148 |
| 8 | 35 | 10 | 22 | 70 | 183151 | 183150 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

130215

Dowel Bits HW - with back-guide, long version

Product

Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | long cutting length
- | 2 negative spurs
- | centering point
- | spiral with back-guide
- | plastic coated
- | HW-tipped

Advantages

- | deep holes thanks to long cutting length
- | chip-free hole edges thanks to negative spurs
- | safe drilling thanks to centering point
- | protection of the hole edge upon exiting thanks to spiral with back guide
- | optimum chip evacuation thanks to plastic coating

Notes

- | adjustable countersink attachment on the boring spiral for simultaneous chamfering of the hole
- | shell countersink Class-No. 130660
- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 50 | 10 | 30 | 85 | 177194 | 177193 |
| 5 | 65 | 10 | 30 | 105 | 177206 o | 177205 |
| 6 | 50 | 10 | 30 | 85 | 177196 o | 177195 |
| 6 | 65 | 10 | 30 | 105 | 177208 o | 177207 |
| 7 | 50 | 10 | 30 | 85 | 177198 | 177197 |
| 7 | 65 | 10 | 30 | 105 | 177210 | 177209 |
| 8 | 50 | 10 | 30 | 85 | 177200 | 177199 |
| 8 | 65 | 10 | 30 | 105 | 177212 | 177211 |
| 10 | 50 | 10 | 30 | 85 | 177202 | 177201 |
| 10 | 65 | 10 | 30 | 105 | 177214 | 177213 |
| 12 | 50 | 10 | 30 | 85 | 177204 | 177203 |
| 12 | 65 | 10 | 30 | 105 | 177216 o | 177215 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

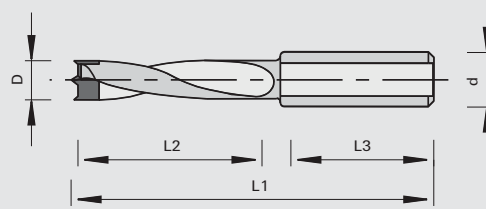
130211

Ecoline Dowel Bits HW

Product



Drawing



LEUCO
ecoline

LEUCO
DUR

tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | 2 negative spurs
- | centering point
- | spiral without back guide
- | plastic coated
- | plunging tip with carbide plate for reduced demands

Advantages

- | chip-free hole edges thanks to negative spurs
- | safe drilling thanks to centering point
- | optimum chip evacuation thanks to plastic coating

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

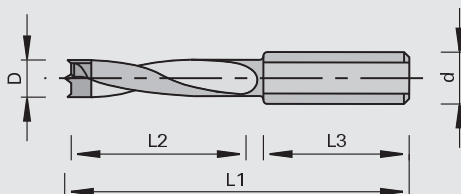
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 26 | 10 | 20 | 57.5 | 183375 | 183374 |
| 8 | 31 | 10 | 20 | 57.5 | 183377 | 183376 |
| 10 | 32 | 10 | 20 | 57.5 | 183379 | 183378 |
| 5 | 39 | 10 | 20 | 70 | 183381 | 183380 |
| 6 | 40 | 10 | 20 | 70 | 183383 | 183382 |
| 8 | 44 | 10 | 20 | 70 | 183385 | 183384 |
| 10 | 45 | 10 | 20 | 70 | 183387 | 183386 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

130217

Dowel Bits HW - without back-guide

Product

Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | 2 negative spurs
- | centering point
- | spiral without back guide
- | plastic coated
- | HW-tipped

Advantages

- | chip-free hole edges thanks to negative spurs
- | safe drilling thanks to centering point
- | optimum chip evacuation thanks to plastic coating

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 4.0 | 27 | 10 | 27 | 57.5 | 003175 | 003174 |
| 4.5 | 27 | 10 | 27 | 57.5 | 177228 | 177227 |
| 5.0 | 27 | 10 | 27 | 57.5 | 003179 | 003178 |
| 5.1 | 27 | 10 | 27 | 57.5 | 177230 | 177229 |
| 5.2 | 27 | 10 | 27 | 57.5 | 167707 o | 167708 o |
| 6.0 | 27 | 10 | 27 | 57.5 | 003183 | 003182 |
| 7.0 | 27 | 10 | 27 | 57.5 | 003187 | 003186 |
| 8.0 | 27 | 10 | 27 | 57.5 | 003191 | 003190 |
| 8.2 | 27 | 10 | 27 | 57.5 | 167216 | 167213 |
| 9.0 | 27 | 10 | 27 | 57.5 | 003195 | 003194 |
| 10.0 | 27 | 10 | 27 | 57.5 | 003199 | 003198 |
| 10.5 | 27 | 10 | 27 | 57.5 | 182261 o | 182262 o |
| 11.0 | 27 | 10 | 27 | 57.5 | 177232 o | 177231 |
| 12.0 | 27 | 10 | 27 | 57.5 | 003207 | 003206 |
| 4.0 | 35 | 10 | 30 | 70 | 173175 | 173174 |
| 4.5 | 35 | 10 | 30 | 70 | 182263 o | 182264 o |
| 5.0 | 35 | 10 | 30 | 70 | 003231 | 003230 |
| 5.1 | 35 | 10 | 30 | 70 | 182265 o | 182266 o |
| 5.5 | 35 | 10 | 30 | 70 | 182267 | 182268 o |
| 6.0 | 35 | 10 | 30 | 70 | 003235 | 003234 |
| 6.5 | 35 | 10 | 30 | 70 | 182269 o | 182270 o |
| 7.0 | 35 | 10 | 30 | 70 | 167224 | 167219 |
| 7.5 | 35 | 10 | 30 | 70 | 182271 o | 182272 o |
| 8.0 | 35 | 10 | 30 | 70 | 003243 | 003242 |
| 8.1 | 35 | 10 | 30 | 70 | 182273 o | 182274 o |
| 8.2 | 35 | 10 | 30 | 70 | 182275 | 182276 o |
| 8.5 | 35 | 10 | 30 | 70 | 182277 o | 182278 o |
| 9.0 | 35 | 10 | 30 | 70 | 167225 | 167220 |
| 10.0 | 35 | 10 | 30 | 70 | 003251 | 003250 |
| 10.2 | 35 | 10 | 30 | 70 | 182279 o | 182280 o |
| 11.0 | 35 | 10 | 30 | 70 | 167226 | 167221 |
| 12.0 | 35 | 10 | 30 | 70 | 167227 | 167222 |
| 13 | 35 | 10 | 30 | 70 | 183042 | 183043 |
| 14 | 35 | 10 | 30 | 70 | 183044 | 183045 |
| 16 | 35 | 10 | 30 | 70 | 183046 | 183047 |
| 5.0 | 44 | 10 | 30 | 77 | 167233 | 167228 |
| 6.0 | 44 | 10 | 30 | 77 | 167234 | 167229 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 8.0 | 44 | 10 | 30 | 77 | 167235 | 167230 |
| 10.0 | 44 | 10 | 30 | 77 | 167236 | 167231 |
| 12.0 | 44 | 10 | 30 | 77 | 173181 | 173180 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

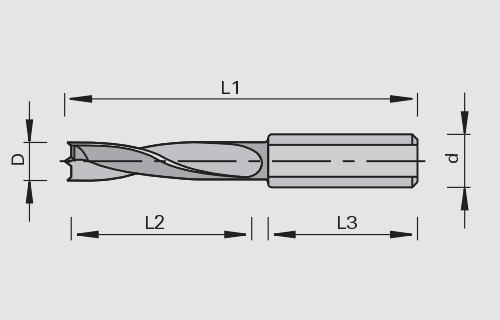
330215

Dowel Bits HS - with back-guide

Product



Drawing



| |
|-----------------------|
| High Speed Steel [HS] |
| MAN |

Machine / Application

- | portable boring machines
- | automatic boring machines
- | for drilling of dowel holes in solid woods

Design

- | 2 spurs
- | centering point
- | spiral with back-guide
- | HS design

Advantages

- | chip-free hole edges thanks to spurs
- | safe drilling thanks to centering point
- | protection of the hole edge upon exiting thanks to spiral with back guide

Notes

- | clamping element: combi chuck, quick-change chuck

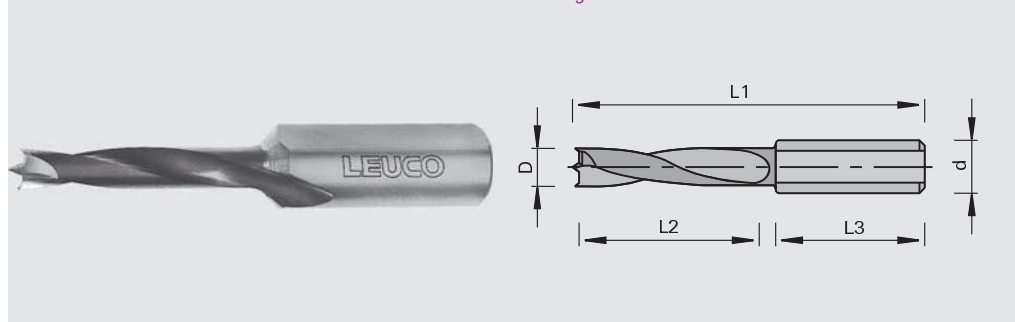
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 4 | 30 | 10 | 20 | 57.5 | 177234 o | 177233 o |
| 5 | 30 | 10 | 20 | 57.5 | 177236 o | 177235 o |
| 6 | 30 | 10 | 20 | 57.5 | 177238 o | 177237 o |
| 8 | 30 | 10 | 20 | 57.5 | 177240 o | 177239 o |
| 10 | 30 | 10 | 20 | 57.5 | 177242 o | 177241 o |
| 5 | 43 | 10 | 20 | 70 | 177246 | 177245 |
| 6 | 43 | 10 | 20 | 70 | 160479 o | 177247 o |
| 7 | 43 | 10 | 20 | 70 | 177250 o | 177249 o |
| 8 | 43 | 10 | 20 | 70 | 177248 | 160475 o |
| 10 | 43 | 10 | 20 | 70 | 177252 o | 177251 o |
| 12 | 43 | 10 | 20 | 70 | 177254 o | 177253 o |
| 14 | 43 | 10 | 20 | 70 | 177256 o | 177255 o |
| 16 | 43 | 10 | 20 | 70 | 177258 o | 177257 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

330215

Dowel Bits HS - without back-guide

Product

Drawing



| |
|-----------------------|
| |
| High Speed Steel [HS] |
| MAN |

Machine / Application

- | portable boring machines
- | automatic boring machines
- | for drilling of dowel holes in solid woods

Design

- | 2 spurs
- | centering point
- | spiral without back guide
- | HS design

Advantages

- | chip-free hole edges thanks to spurs
- | safe drilling thanks to centering point

Notes

- | clamping element: combi chuck, quick-change chuck

| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 45 | 10 | 30 | 85 | 177260 o | 177259 o |
| 6 | 45 | 10 | 30 | 85 | | 177261 o |
| 8 | 45 | 10 | 30 | 85 | 177266 o | 177265 o |
| 10 | 45 | 10 | 30 | 85 | 177268 o | 177267 o |
| 12 | 45 | 10 | 30 | 85 | 177270 o | 177269 o |
| 6 | 65 | 10 | 30 | 105 | 177274 o | 177273 o |
| 8 | 65 | 10 | 30 | 105 | | 177277 o |
| 10 | 65 | 10 | 30 | 105 | 177280 o | 177279 o |
| 12 | 65 | 10 | 30 | 105 | 177282 o | 177281 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

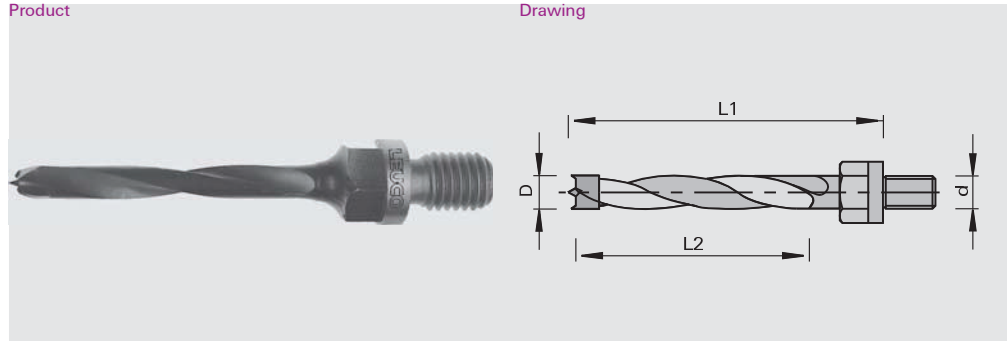


130226

Dowel Bits HS - without back-guide, with threaded shank

Product

Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | 2 negative spurs
- | centering point
- | spiral without back guide
- | plastic coated
- | threaded shank
- | HW-tipped

Advantages

- | chip-free hole edges thanks to negative spurs
- | safe drilling thanks to centering point
- | optimum chip evacuation thanks to plastic coating
- | high stability thanks to threaded shank for direct clamping onto the boring spindle

Notes

- | for coordination with machines see section Clamping Systems

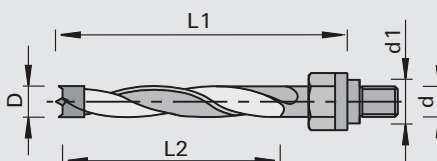
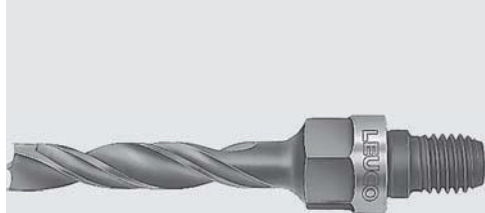
| Ø D | L2 | Ø d | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|---------------|---------------|
| 5 | 45 | M8 | 63 | 160570 o | 160566 o |
| 5 | 45 | M10 | 63 | 167697 | 167698 |
| 6 | 45 | M10 | 63 | 160576 o | 160574 o |
| 8 | 45 | M8 | 63 | 160572 o | 160568 o |
| 8 | 45 | M10 | 63 | 160577 | 160575 |
| 10 | 45 | M10 | 63 | 167699 o | 167700 o |
| 12 | 45 | M8 | 63 | 167691 o | 167692 o |
| 12 | 45 | M10 | 63 | 167701 o | 167702 o |
| [mm] | [mm] | [mm] | [mm] | | |

130226

Dowel Bits HS - with back-guide and threaded shank

Product

Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | for chip-free drilling of dowel holes in solid woods and wood-based panels

Design

- | 2 negative spurs
- | centering point
- | spiral with back-guide
- | plastic coated
- | shank with thread and passfit
- | HW-tipped

Advantages

- | chip-free hole edges thanks to negative spurs
- | safe drilling thanks to centering point
- | optimum chip evacuation thanks to plastic coating
- | high stability thanks to threaded shank for direct clamping onto the boring spindle

Notes

- | for coordination with machines see section Clamping Systems

| Ø D | L2 | Ø d1 | Ø d | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 45 | 11 | M10 | 63 | 167703 o | 167704 o |
| 6 | 45 | 11 | M10 | 63 | 167705 o | 167706 o |
| 8 | 45 | 11 | M10 | 63 | 160584 | 160582 |
| 10 | 45 | 11 | M10 | 63 | 160585 o | 160583 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

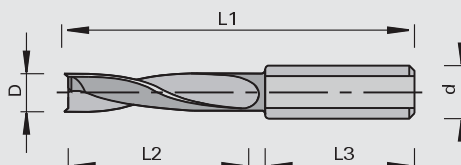


130214

High-Performance Dowel Bits with solid carbide body

Product

Drawing



Solid Tungsten Carbide

MEC

Machine / Application

- | stationary boring machines
- | automatic boring machines
- | CNC machining centers
- | for drilling of through holes and dowel holes in solid woods, wood-based panels and composite materials

Design

- | special cutting edge geometry
- | 2 spurs
- | spiral with back-guide
- | boring part made from solid tungsten carbide

Advantages

- | special tooth geometry and spurs for minimal cutting force and cutting pressure
- | protection of the hole edge upon exiting thanks to spiral with back guide
- | high feed rates and large resharpenable area thanks to solid carbide bit

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck
- | tooth geometry applied for patent
- | change of grinding or reduction of diameter ist not possible

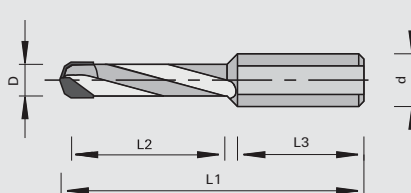
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---------------|---------------|
| 5 | 32 | 10 | 22 | 57.5 | 182815 | 182814 |
| 8 | 32 | 10 | 22 | 57.5 | 182819 | 182818 |
| 5 | 36 | 10 | 30 | 70 | 182825 | 182824 |
| 6 | 36 | 10 | 30 | 70 | 182827 | 182826 |
| 8 | 36 | 10 | 30 | 70 | 182829 | 182828 |
| 10 | 36 | 10 | 30 | 70 | 184754 | 184753 |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

230215

Dowel Bits DP

Product

Drawing



polycrystalline diamond [DP]

MEC

Machine / Application

- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling in raw and laminated panels and composite materials

Design

- | special cutting edge geometry, 2 DP rakers which form a double chamfer
- | spiral without back guide
- | DP-tipped

Advantages

- | long edge life when machining extremely abrasive materials
- | chip-free hole edges thanks to special cutting edge geometry

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-change chuck

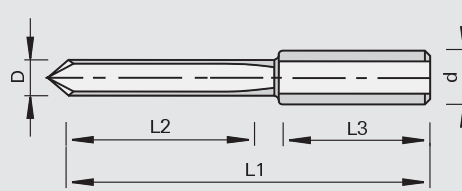
| Ø D | L2 | Ø d | L3 | L1 | Z | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|---|---------------|---------------|
| 5 | 27 | 10 | 26 | 57.5 | 2 | 183005 s | 183004 s |
| 6 | 27 | 10 | 26 | 57.5 | 2 | 183007 s | 183006 s |
| 8 | 27 | 10 | 26 | 57.5 | 2 | 183009 s | 183008 s |
| 5 | 35 | 10 | 30 | 70 | 2 | 183011 s | 183010 s |
| 6 | 35 | 10 | 30 | 70 | 2 | 183051 s | 183052 s |
| 8 | 35 | 10 | 30 | 70 | 2 | 183013 s | 183012 s |
| 10 | 35 | 10 | 30 | 70 | 2 | 183053 s | 183054 s |
| [mm] | [mm] | [mm] | [mm] | [mm] | | | |

130010

Boring spikes with solid carbide body

Product

Drawing



Solid Tungsten Carbide

MAN

Machine / Application

- | automatic boring machines
- | CNC machining centers
- | for drilling of dowel holes in wood-based panels

Design

- | cylindrical shank Ø 10 mm with clamping surface and adjusting screw
- | solid carbide design

Advantages

- | large resharpenable area
- | long edge lives

Notes

- | for clockwise and counter-clockwise rotation
- | clamping element: combi chuck, quick-clamping chuck

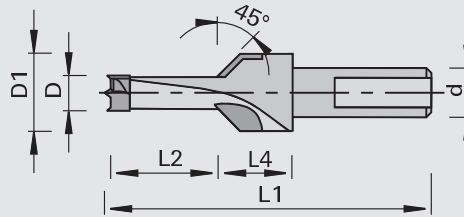
| Ø D | L2 | Ø d | L3 | L1 | Ident-No. |
|------|------|------|------|------|-----------|
| 2.0 | 12 | 2,0 | | 38 | 183059 o |
| 2.5 | 12 | 2,5 | | 45 | 180942 |
| 3 | 12 | 3 | | 45 | 180943 |
| 3.5 | 15 | 3,5 | | 45 | 183060 o |
| 4 | 12 | 4 | | 45 | 180944 o |
| 2.5 | 15 | 10 | 33 | 57.5 | 183061 o |
| 3 | 15 | 10 | 33 | 57.5 | 183062 o |
| 5 | 25 | 10 | 25 | 57.5 | 180945 o |
| 3.5 | 30 | 10 | 24 | 70 | 183063 o |
| 4 | 32 | 10 | 25 | 70 | 183064 o |
| 5 | 35 | 10 | 25 | 70 | 180946 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | |

130710

Boring Countersink HW

Product

Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | portable boring machines
- | automatic boring machines
- | for drilling and countersinking in solid woods and wood-based panels

Design

- | spiral PTFE coated
- | 2 spurs
- | centering point

Advantages

- | for drilling and countersinking in one pass
- | safe drilling thanks to centering point

Notes

- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-clamping chuck

| Ø D | L2 | Ø D1 | L4 | Ø d | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|------|------|---------------|---------------|
| 8 | 12 | 16 | 15 | 10 | 57.5 | 180847 | 180846 |
| 8 | 15 | 16 | 15 | 10 | 57.5 | 180849 | 180848 |
| 10 | 12 | 16 | 15 | 10 | 57.5 | 180853 | 180852 |
| 10 | 15 | 16 | 15 | 10 | 57.5 | 180855 o | 180854 o |
| 8 | 12 | 16 | 15 | 10 | 70 | 180859 | 180858 |
| 8 | 15 | 16 | 15 | 10 | 70 | 180861 o | 180860 o |
| 8 | 20 | 16 | 15 | 10 | 70 | 180863 | 180862 |
| 10 | 12 | 16 | 15 | 10 | 70 | 180865 | 180864 |
| 10 | 15 | 16 | 15 | 10 | 70 | 180867 o | 180866 o |
| 10 | 20 | 16 | 15 | 10 | 70 | 180869 o | 180868 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | | |

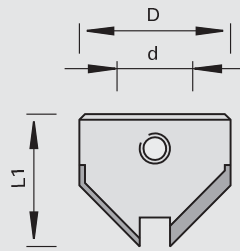
130660

Countersink Parts HW to be mounted on Twist Drills and Dowel Bits

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- for drilling of countersinks in solid woods and wood-based panels
- for chip-free countersink holes at 90 degree angle

Design

- HW-tipped

Advantages

Notes

- for installation on twist drills and dowel bits with back-guide on the drill spiral with set screw
- continuous adjustment of the countersink diameter and the boring depth

| Ø D | Ø d | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|---------------|---------------|
| 15.5 | 3 | 17.5 | | 177291 |
| 16 | 4 | 15 | 183811 o | 183812 |
| 16 | 5 | 15 | 183174 | 183175 |
| 16 | 6 | 15 | 183176 | 183177 |
| 16 | 7 | 15 | 183178 | 183179 |
| 18 | 8 | 15 | 183180 | 183181 |
| 18 | 9 | 15 | 183813 o | 183814 o |
| 20 | 10 | 15 | 183182 | 183183 |
| 20 | 12 | 15 | 183815 o | 183816 |
| [mm] | [mm] | [mm] | | |

Spare parts

Dimension

Class-No.

Ident-No.

| | | | |
|---------------------|--------------------------|--------|--------|
| Set Screws | M6x4 DIN EN ISO 4029 | 995161 | 167068 |
| Cranked Wrench Keys | SW3 DIN ISO 2936 [mm] | 985730 | 009672 |

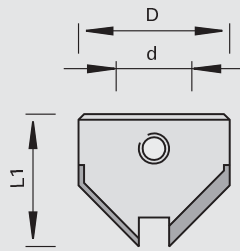
130660

Countersink Parts HW to be mounted on Dowel Bits

Product



Drawing

LEUCO
DUR

tungsten carbide [HW]

MAN

Machine / Application

- for drilling of countersinks in solid woods and wood-based panels
- for chip-free countersink holes at 90 degree angle

Design

- HW-tipped

Advantages

Notes

- for installation on elongated shank of dowel bits \varnothing 5 - 12 mm with setscrew
- continuous adjustment of the countersink diameter and the boring depth

| \varnothing D | \varnothing d | L1 | Ident-No. [L] | Ident-No. [R] |
|-----------------|-----------------|------|---------------|---------------|
| 15.5 | 10 | 16.5 | 177294 | 177293 |
| 20 | 10 | 16 | 183184 | 183185 |
| 22 | 10 | 16.5 | | 177295 o |
| [mm] | [mm] | [mm] | | |

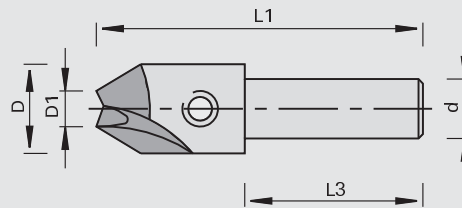
| Spare parts | Dimension | For Ident-No. | Class-No. | Ident-No. |
|---------------------|----------------------|----------------|-----------|-----------|
| Set Screws | M6x4 DIN EN ISO 4029 | 169312, 177293 | 995161 | 167068 |
| Set Screws | M6x5 DIN EN ISO 4029 | 177295 | 995161 | 165049 |
| Cranked Wrench Keys | SW3 DIN ISO 2936 | | 985730 | 009672 |
| | [mm] | | | |

130660

Countersink Bits HW for Twist Drills

Product

Drawing



tungsten carbide [HW]

MAN

Machine / Application

- for drilling of countersinks in solid woods and wood-based panels
- for chip-free countersink holes at 90 degree angle

Design

- HW-tipped

Advantages

Notes

- for mounting of twist drills with \varnothing 3 - 6 mm
- continuous adjustment of the countersink diameter and the boring depth

| \varnothing D | \varnothing D1 | \varnothing d | L3 | L1 | | Ident-No. |
|-----------------|------------------|-----------------|------|------|---|-----------|
| 15 | 3.0 | 10 | 30 | 58 | R | 173190 |
| 15 | 3.0 | 10 | 30 | 58 | L | 173191 o |
| 15 | 3.5 | 10 | 30 | 58 | R | 173192 |
| 15 | 4.0 | 10 | 30 | 58 | R | 173194 |
| 15 | 4.0 | 10 | 30 | 58 | L | 173195 |
| 15 | 4.5 | 10 | 30 | 58 | R | 173196 |
| 15 | 4.5 | 10 | 30 | 58 | L | 173197 o |
| 15 | 5.0 | 10 | 30 | 58 | R | 173198 |
| 15 | 5.0 | 10 | 30 | 58 | L | 173199 |
| 15 | 6.0 | 10 | 30 | 58 | R | 173202 o |
| 15 | 6.0 | 10 | 30 | 58 | L | 173203 o |
| [mm] | [mm] | [mm] | [mm] | [mm] | | |

Spare parts

Dimension

Class-No.

Ident-No.

Set Screws

M6x6 DIN EN ISO 4029
[mm]

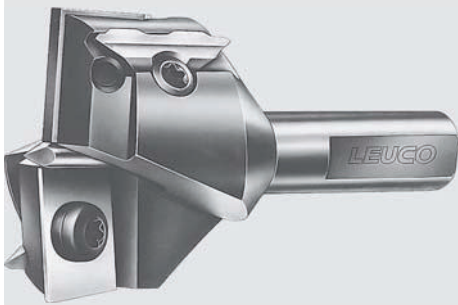
995161

180003

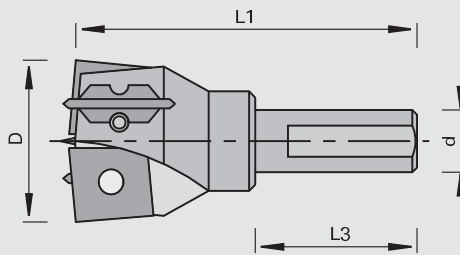
130135

Cylinder Boring Bits with HW Turnover Knives

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | hardware hinge machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of hinge hardware holes in solid woods and wood-based panels

Design

- | 2 rakers, 2 turnover spurs and centering point

Advantages

- | long edge lives thanks to wear-resistant HW grade
- | chip-free hardware hinge holes thanks to scoring cut of the turnover spurs

Notes

- | replaceable and adjustable centering point
- | cylindrical shank with clamping surface
- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-clamping chuck

| Ø D | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|---------------|---------------|
| 25 | 10 | 26 | 57.5 | | 162612 |
| 26 | 10 | 26 | 57.5 | | 162614 |
| 30 | 10 | 26 | 57.5 | | 162616 # |
| 35 | 10 | 26 | 57.5 | 162619 | 162618 |
| 25 | 10 | 26 | 70 | | 182570 |
| 26 | 10 | 26 | 70 | | 182571 # |
| 30 | 10 | 26 | 70 | | 182572 # |
| 35 | 10 | 26 | 70 | 184896 | 182573 |
| [mm] | [mm] | [mm] | [mm] | | |

| Turnover Knives | Dimension | For Ident-No. | Class-No. | Ident-No. |
|------------------|----------------|------------------------|-----------|-----------|
| Turnover Knives | 10,5x12x1,5 | 162612, 182570 | 150515 | 162636 |
| Turnover Knives | 11x12x1,5 | 162614, 162615, 182571 | 150515 | 162637 |
| Turnover Knives | 13x12x1,5 | 162616, 182572 | 150515 | 162638 |
| Turnover Knives | 15,7x12x1,5 | 162618, 162619, 182573 | 150515 | 163846 |
| Spurs | 18x6x3,5 | | 150558 | 181263 |
| Centering Points | 3x33,5 [mm] | | 165512 | 162624 |

| Spare parts | Dimension | For Ident-No. | Class-No. | Ident-No. |
|--------------------------------|----------------------|--|-----------|-----------|
| Set Screws | M6x6 DIN EN ISO 4028 | | 995161 | 163841 |
| Countersunk Flat Headed Screws | M3,5x6 T15 | 162614, 162615, 162616, 162618, 162619, 182571, 182572, 182573 | 995125 | 162648 |
| Countersunk Flat Headed Screws | M3,5x5,5 T15 | 162612, 182570 | 995125 | 162649 |
| Head Cap Screws | M3,5x3,8 T15 [mm] | | 995115 | 162645 |

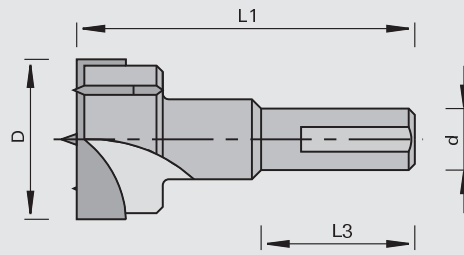
130117

Cylinder Boring with HW - Z=2+2

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | hardware hinge machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling of hinge hardware holes in solid woods and wood-based panels

Design

- | 2 rakers, 2 spurs and centering point
- | HW-tipped

Advantages

- | chip-free holes thanks to scoring cut of the spurs

Notes

- | cylindrical shank with clamping surface
- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-clamping chuck

| Ø D | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|---------------|---------------|
| 15 | 10 | 26 | 57.5 | 003303 | 003302 |
| 16 | 10 | 26 | 57.5 | 003305 | 003304 |
| 18 | 10 | 26 | 57.5 | 003309 | 003308 |
| 20 | 10 | 26 | 57.5 | 003313 | 003312 |
| 22 | 10 | 26 | 57.5 | 003315 | 003314 |
| 25 | 10 | 26 | 57.5 | 003319 | 003318 |
| 26 | 10 | 26 | 57.5 | 003321 | 003320 |
| 30 | 10 | 26 | 57.5 | 003327 | 003326 |
| 35 | 10 | 26 | 57.5 | 003333 | 003332 |
| 40 | 10 | 26 | 57.5 | 003337 | 003336 |
| 15 | 10 | 26 | 70 | 178978 | 172250 |
| 18 | 10 | 26 | 70 | 178983 | 178984 |
| 20 | 10 | 26 | 70 | 178979 | 172251 |
| 22 | 10 | 26 | 70 | 182257 | 182258 |
| 25 | 10 | 26 | 70 | 178980 | 172252 |
| 26 | 10 | 26 | 70 | 182374 | 182375 |
| 30 | 10 | 26 | 70 | 178981 | 172253 |
| 35 | 10 | 26 | 70 | 178982 | 172254 |
| 40 | 10 | 26 | 70 | 182259 | 182260 |
| [mm] | [mm] | [mm] | [mm] | | |

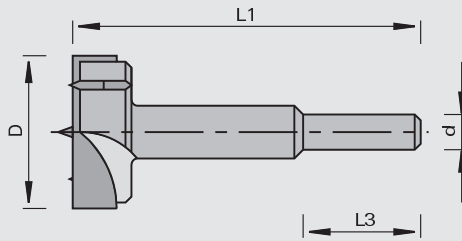
130119

Cylinder Boring with HW - portable boring machines

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

portable boring machines
for chip-free drilling in solid woods and wood-based panels

Design

2 rakers, 2 spurs and centering point
HW-tipped
Ø 12: spurs in rakers
cylindrical shank

Advantages

chip-free holes thanks to scoring cut of the spurs

Notes

diameter of the cylindrical shank is adapted to the cutting pressure
clamping elements: drill chuck

| Ø D | Ø d | L3 | L1 | Ident-No. |
|------|------|------|------|-----------|
| 12 | 10 | 62 | 90 | 173204 o |
| 14 | 10 | 60 | 90 | 167685 |
| 15 | 10 | 60 | 90 | 160424 |
| 16 | 10 | 60 | 90 | 160425 |
| 17 | 10 | 60 | 90 | 167686 |
| 18 | 10 | 60 | 90 | 160426 |
| 19 | 10 | 60 | 90 | 167687 |
| 20 | 10 | 60 | 90 | 160427 |
| 21 | 10 | 60 | 90 | 173205 |
| 22 | 10 | 60 | 90 | 160428 |
| 23 | 10 | 60 | 90 | 167688 |
| 24 | 10 | 60 | 90 | 160429 |
| 25 | 10 | 60 | 90 | 160430 |
| 26 | 10 | 60 | 90 | 160431 |
| 27 | 10 | 74 | 90 | 173206 o |
| 28 | 10 | 60 | 90 | 160432 |
| 30 | 10 | 60 | 90 | 160433 |
| 32 | 10 | 60 | 90 | 160434 |
| 34 | 10 | 74 | 90 | 167689 o |
| 35 | 10 | 60 | 90 | 160435 |
| 36 | 10 | 30 | 90 | 160436 o |
| 38 | 10 | 60 | 90 | 160437 o |
| 40 | 10 | 60 | 90 | 160438 |
| 42 | 10 | 30 | 90 | 167690 o |
| 45 | 10 | 60 | 90 | 173207 |
| 50 | 10 | 60 | 90 | 173208 |
| [mm] | [mm] | [mm] | [mm] | |

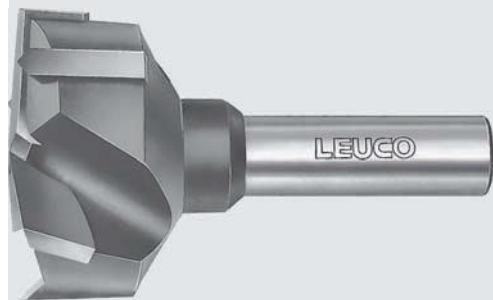
| Ø D | Ø d | L3 | L1 | Ident-No. |
|------|------|------|------|-----------|
| 15 | 13 | 108 | 140 | 173210 o |
| 16 | 13 | 108 | 140 | 173211 o |
| 18 | 13 | 107 | 140 | 160388 o |
| 20 | 13 | 105 | 140 | 160389 o |
| 22 | 13 | 105 | 140 | 160390 o |
| 24 | 13 | 105 | 140 | 173212 o |
| 25 | 13 | 103 | 140 | 160392 o |
| 26 | 13 | 103 | 140 | 160393 o |
| 28 | 13 | 103 | 140 | 160394 o |
| 30 | 13 | 103 | 140 | 160395 o |
| 32 | 16 | 103 | 140 | 160396 o |
| 34 | 16 | 103 | 140 | 173213 o |
| 35 | 16 | 103 | 140 | 160398 o |
| [mm] | [mm] | [mm] | [mm] | |

| Ø D | Ø d | L3 | L1 | Ident-No. |
|------|------|------|------|-----------|
| 38 | 16 | 103 | 140 | 173215 o |
| 40 | 16 | 103 | 140 | 160401 o |
| 42 | 16 | 120 | 140 | 160402 o |
| 44 | 16 | 120 | 140 | 173216 o |
| 45 | 16 | 120 | 140 | 180742 o |
| 46 | 16 | 120 | 140 | 173217 o |
| 48 | 16 | 120 | 140 | 173218 o |
| 50 | 16 | 118 | 140 | 160407 o |
| 52 | 16 | 118 | 140 | 160408 o |
| 54 | 16 | 118 | 140 | 173219 o |
| 55 | 16 | 118 | 140 | 160409 o |
| 56 | 16 | 118 | 140 | 173220 o |
| 58 | 16 | 118 | 140 | 173221 o |
| 60 | 16 | 50 | 140 | 160410 o |
| 63 | 16 | 50 | 140 | 173228 o |
| 65 | 16 | 50 | 140 | 160411 o |
| 68 | 16 | 50 | 140 | 173222 o |
| 70 | 16 | 50 | 140 | 160412 o |
| 75 | 20 | 115 | 140 | 173223 o |
| 80 | 20 | 115 | 140 | 160414 o |
| 90 | 20 | 115 | 140 | 173225 o |
| [mm] | [mm] | [mm] | [mm] | |

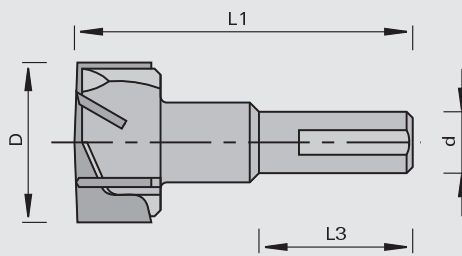
130115

Cylinder Boring with HW - Z=3+3

Product



Drawing



tungsten carbide [HW]

MAN

Machine / Application

- | hardware hinge machines
- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling in solid woods and wood-based panels

Design

- | 3 rakers, 3 spurs, without centering point
- | HW-tipped

Advantages

- | boring depths close to the bottom-side laminate
- | chip-free holes thanks to scoring cut of the spurs
- | high feed rates thanks to Z = 3+3

Notes

- | cylindrical shank with clamping surface
- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-clamping chuck

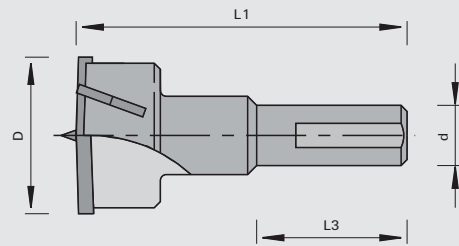
| Ø D | Ø d | L3 | L1 | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|---------------|---------------|
| 25 | 10 | 26 | 57.5 | 160385 | 160384 |
| 26 | 10 | 26 | 57.5 | | 003278 |
| 30 | 10 | 26 | 57.5 | | 003280 |
| 35 | 10 | 26 | 57.5 | 003285 | 003284 |
| 40 | 10 | 26 | 57.5 | | 713347 o |
| [mm] | [mm] | [mm] | [mm] | | |

230115

Cylinder Boring Bits DP

Product

Drawing



polycrystalline diamond [DP]

MEC

Machine / Application

- | automatic boring machines
- | CNC machining centers
- | for chip-free drilling in raw and laminated panels

Design

- | 2 DP rakers, 2 DP spurs
- | HW Centering point
- | resharpenable several times

Advantages

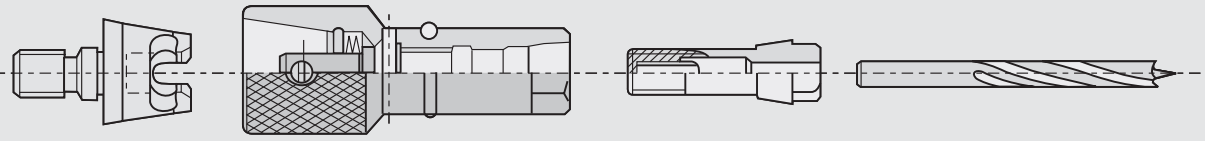
- | long edge life when machining abrasive materials
- | economic efficiency thanks to possibility to resharpen several times
- | chip-free holes thanks to scoring cut of the spurs
- | safe drilling thanks to centering point

Notes

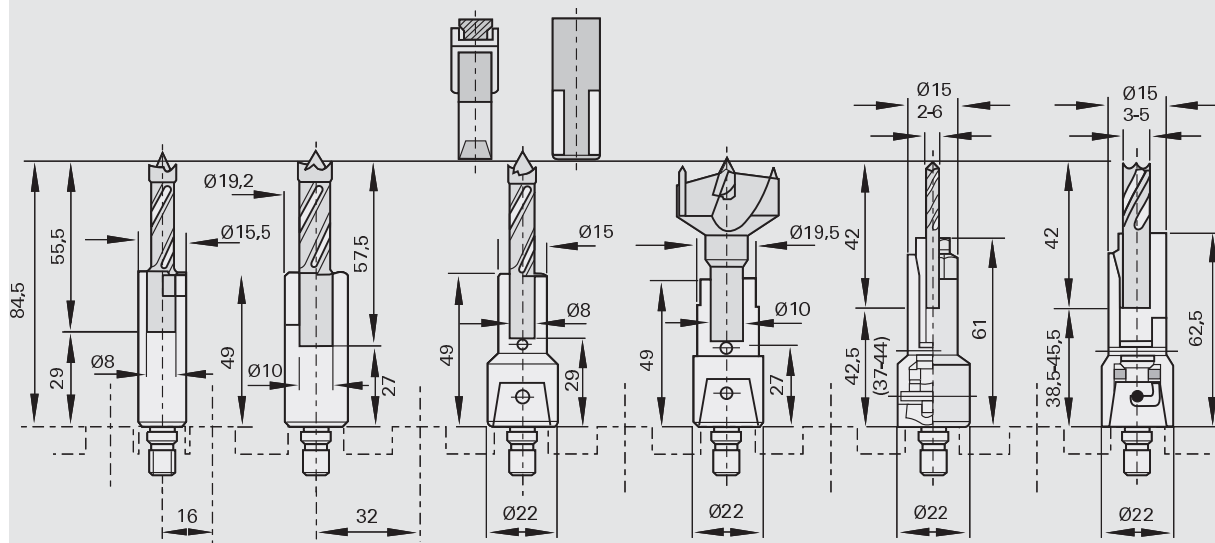
- | cylindrical shank with clamping surface
- | adjusting screw Ident-No. 001600 M5x10 DIN 551 for precise length adjustment included in delivery
- | adjusting screw Ident-No. 181520 M5x11,5 for Weeke quick clamping chuck must be ordered separately
- | clamping elements: combi chuck, quick-clamping chuck

| Ø D | Ø d | L3 | L1 | Z | Ident-No. [L] | Ident-No. [R] |
|------|------|------|------|-----|---------------|---------------|
| 15 | 10 | 26 | 57.5 | 2+2 | 182995 s | 182994 s |
| 20 | 10 | 26 | 57.5 | 2+2 | 182997 s | 182996 s |
| 25 | 10 | 26 | 57.5 | 2+2 | 182999 s | 182998 s |
| 30 | 10 | 26 | 57.5 | 2+2 | 183001 s | 183000 s |
| 35 | 10 | 26 | 57.5 | 2+2 | 183048 s | 183002 s |
| [mm] | [mm] | [mm] | [mm] | | | |

Quick-Change Systems for Boring Bits



| Features | Advantages | Benefit |
|--|---|--|
| <ul style="list-style-type: none"> precise tapered adapter | <ul style="list-style-type: none"> precise radial running accuracy of the boring bit | <ul style="list-style-type: none"> improved product quality |
| <ul style="list-style-type: none"> tight connection | <ul style="list-style-type: none"> tight connection between boring bit and machine | <ul style="list-style-type: none"> safe operation |
| <ul style="list-style-type: none"> simple locking | <ul style="list-style-type: none"> quick change of the boring bit | <ul style="list-style-type: none"> short downtimes |
| <ul style="list-style-type: none"> color-coded top part to mark the direction of rotation | <ul style="list-style-type: none"> quick and easy recognition of the direction of rotation | <ul style="list-style-type: none"> no high demands on the machine operators |
| <ul style="list-style-type: none"> compatible with old "Klack" and combi chuck | <ul style="list-style-type: none"> upgrading and partial equipping of existing machines possible | <ul style="list-style-type: none"> low cost |



Order / Inquiry for Special Tools: Drill Bits / Plunge Cutters

Please copy and send the completed form to one of the LEUCO sales offices. (Only one tool description per form)

| | | | |
|------------------|-------|----------------------|-----------------------|
| Customer-no.: | _____ | Order: | <input type="radio"/> |
| Company: | _____ | Inquiry: | <input type="radio"/> |
| Plant: | _____ | | |
| Street: | _____ | Delivery (week no.): | _____ |
| Zip / City: | _____ | (Not binding) | |
| Country: | _____ | No. of pieces: | _____ |
| Contact partner: | _____ | | |
| Phone: | _____ | Fax: | _____ |
| City and Date: | _____ | Signature: | _____ |

Machine

Make: _____

Model: _____

Type: _____

Operating RPM [min-1]: _____

Feed rate [m/min]: _____

Workpiece material

Description: _____

Through hole:

Blind hole:

Boring depth [mm]: _____

Coating

Yes No

Description: _____

Further Information _____

Product line

Topline

Standard

Cutting material

Carbide

Diamond

HS

Tool

Twist Drills

Through-Hole Bits

Dowel Bits

Shell countersink

Countersink for twist drill bits

Cylinder boring bit

Brazed

With turnover knives

Bore diameter D [mm]: _____

Effective length L2 [mm]: _____

Overall length L1 [mm]: _____

Shank length L3 [mm]: _____

Shank design d:

 Cylindrical shank [Ø]: _____

 Other shank types: _____

 Type (per enclosure): _____

No. of cutting edges: _____

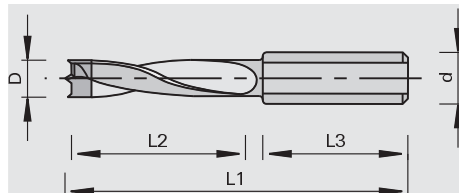
Rakers: _____

Spur: _____

Sense of rotation: Right Left

check if applicable

Please indicate additional dimension and markings in the tool drawing.



520-01.0708