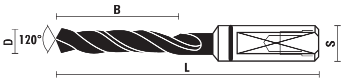
VHW DOWEL DRILLS Z=2

ART. L118



- **Solid carbide spiral portion**
- **2-flutes**
- For natural wood, pressed wood, veenered, chipboard, laminated and MDF
- Ideal for **Trespa**

RH rotation	LH rotation	D	B	L	S
L118.040.R	L118.040.L	4	32	70	10X30
L118.050.R	L118.050.L	5	32	70	10X30
L118.060.R	L118.060.L	6	32	70	10X30
L118.064.R	L118.064.L	6,4	32	70	10X30
L118.070.R	L118.070.L	7	32	70	10X30
L118.080.R	L118.080.L	8	32	70	10X30


Z051.302.R


Z059.001.L


Z059.001.R

On request

Z051.505.R

VHW TWIST DRILLS Z=2

ART. L120

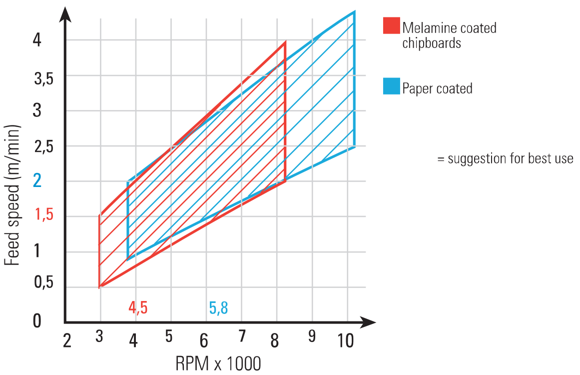
- **Solid carbide**
- **2-flutes**
- For natural wood, pressed wood, veenered, chipboard, laminated and MDF
- Ideal for **Trespa**
- To use with adaptor bushes Art. Z010/Z011

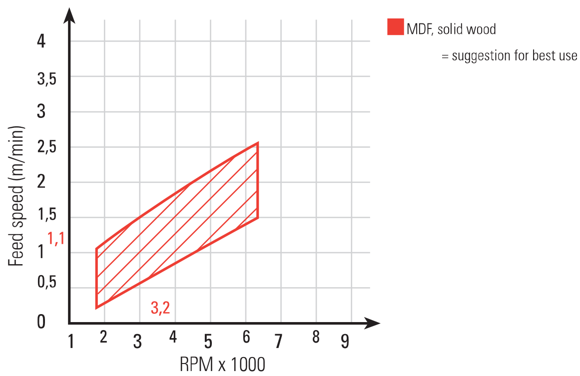
RH rotation	LH rotation	D	B	L
L120.020.R	L120.020.L	2	18	49
L120.025.R	L120.025.L	2,5	22	55
L120.030.R	L120.030.L	3	22	55
L120.032.R	L120.032.L	3,2	22	55
L120.035.R	L120.035.L	3,5	25	55
L120.040.R	L120.040.L	4	25	55
L120.045.R	L120.045.L	4,5	28	58
L120.050.R	L120.050.L	5	28	58
L120.060.R	L120.060.L	6	28	58

VHW TWIST DRILLS (art. L120)

How to determine the feeding speed according to the machine (RPM):

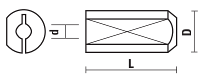
• Referred to a standard common diameter





DRILL HOLDER-SLEEVES

ART. Z010

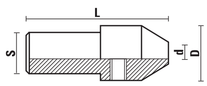


For Art. L120 

Item	d	D	L
Z010.020.N	2	10	24
Z010.025.N	2,5	10	24
Z010.030.N	3	10	24
Z010.032.N	3,2	10	24
Z010.035.N	3,5	10	24
Z010.040.N	4	10	24
Z010.045.N	4,5	10	24
Z010.050.N	5	10	24
Z010.060.N	6	10	24

DRILL HOLDERS

ART. Z011

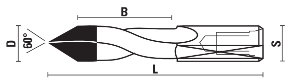


For Art. L120 

Item	d	D	L	S
Z011.020.N	2	15	35	10x19
Z011.025.N	2,5	15	35	10x19
Z011.030.N	3	15	35	10x19
Z011.032.N	3,2	15	35	10x19
Z011.035.N	3,5	15	35	10x19
Z011.040.N	4	15	35	10x19
Z011.045.N	4,5	15	35	10x19
Z011.050.N	5	15	35	10x19
Z011.060.N	6	15	35	10x19

HW THROUGH HOLE DRILL BITS Z=2

ART. L123 - L124 - L125



- **2-flutes**
- PTFE-Based coating for a better chip flow
- For natural wood, pressed wood, veneered, chipboard, laminated and MDF

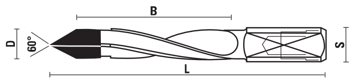
RH rotation	LH rotation	D	B	L	S
L123.040.R	L123.040.L	4	27	57,5	10X24
L123.050.R	L123.050.L	5	27	57,5	10X24
L123.060.R	L123.060.L	6	27	57,5	10X24
L123.070.R	L123.070.L	7	27	57,5	10X24
L123.080.R	L123.080.L	8	27	57,5	10X24
L123.090.R	L123.090.L	9	27	57,5	10X24
L123.100.R	L123.100.L	10	27	57,5	10X24
L124.040.R	L124.040.L	4	37	70	10X24
L124.050.R	L124.050.L	5	37	70	10X24
L124.060.R	L124.060.L	6	37	70	10X24
L124.064.R	L124.064.L	6,4	37	70	10X24
L124.070.R	L124.070.L	7	37	70	10X24
L124.080.R	L124.080.L	8	37	70	10X24
L124.090.R	L124.090.L	9	37	70	10X24
L124.095.R	L124.095.L	9,5	37	70	10X24
L124.100.R	L124.100.L	10	37	70	10X24
L124.120.R	L124.120.L	12	37	70	10X24
L125.050.R	L125.050.L	5	45	77	10X24
L125.060.R	L125.060.L	6	45	77	10X24
L125.070.R	L125.070.L	7	45	77	10X24
L125.080.R	L125.080.L	8	45	77	10X24
L125.100.R	L125.100.L	10	45	77	10X24

Z051.302.R

On request Z051.505.R

HW THROUGH HOLE DRILL BITS Z=2

ART. L126 - L127



- **4-flutes**
- PTFE-Based coating for a better chip flow
- For natural wood, pressed wood, veneered, chipboard, laminated and MDF

RH rotation	LH rotation	D	B	L	S
L126.050.R	L126.050.L	5	27	57,5	10X20
L126.060.R	L126.060.L	6	27	57,5	10X20
L126.080.R	L126.080.L	8	27	57,5	10X20
L127.045.R	L127.045.L	4,5	40	70	10X20
L127.050.R	L127.050.L	5	40	70	10X20
L127.055.R	L127.055.L	5,5	40	70	10X20
L127.060.R	L127.060.L	6	40	70	10X20
L127.070.R	L127.070.L	7	40	70	10X20
L127.080.R	L127.080.L	8	40	70	10X20
L127.090.R	L127.090.L	9	40	70	10X20
L127.100.R	L127.100.L	10	40	70	10X20
L127.120.R	L127.120.L	12	40	70	10X20

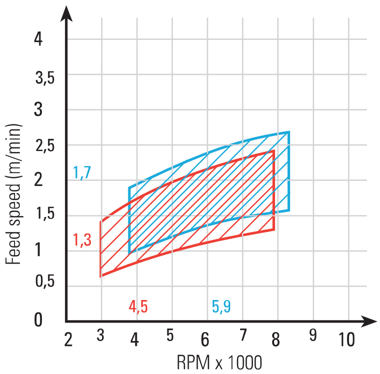
Z051.302.R

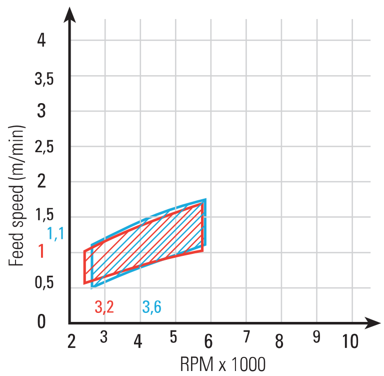
On request Z051.505.R

HW THROUGH HOLE DOWEL DRILLS WITH 2 AND 4 FLUTES (from art. L121 to L127)

How to determine the feeding speed according to the machine (RPM):

- Referred to a standard common diameter

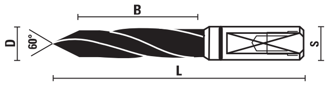




- Finish quality will be improved reducing the feed before the drill exit from the panel bottom side
- The solid carbide drills art. L129 allow the same results at higher feed speed and RPM

VHW THROUGH HOLE DRILL BITS Z=2

ART. L129



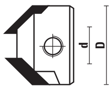
- **Solid carbide spiral portion**
- **2-flutes**
- For natural wood, pressed wood, veenered, chipboard, laminated and MDF
- Best choice when working panels with special coating

RH rotation	LH rotation	D	B	L	S
L129.050.R	L129.050.L	5	30	70	10x30
L129.060.R	L129.060.L	6	30	70	10x30
L129.080.R	L129.080.L	8	30	70	10x30

Z051.302.R Z059.001.L Z059.001.R On request Z051.505.R

HW COUNTERSINKS Z=2 - 90°

ART. L130



- For 4 Flutes drills:
  Articles L103, L104, M101, M102, M103, M121,M122, M123, N101, N111, N135, N136
- Adjustable on the cutting length

RH rotation	LH rotation	d	D
L130.040.R	L130.040.L	4	15,5
L130.050.R	L130.050.L	5	15,5

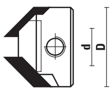
Z051.303.R

L130.060.R	L130.060.L	6	15,5
L130.064.R	L130.064.L	6,4	15,5
L130.070.R	L130.070.L	7	18
L130.080.R	L130.080.L	8	18
L130.090.R	L130.090.L	9	18
L130.100.R	L130.100.L	10	20
L130.120.R	L130.120.L	12	22

Z051.300.R

HW COUNTERSINKS Z=2 - 90°

ART. L131



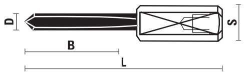
- For Articles L105, L106, L107, L108
- To be mounted on the shank ∅ 10

RH rotation	LH rotation	d	D
L131.100.R	L131.100.L	5/10	20
L131.120.R	L131.120.L	11/12	22

Z051.304.R

VHW DOWEL DRILLS FOR BOTH RIGHT HAND AND LEFT HAND ROTATION Z=1

ART. L136 - L137



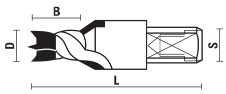
- **Solid carbide spiral portion**
- Straight cutting edges
- Can be used on either right and left rotation chucks
- Ideal for drilling highly **abrasive material**

Item	D	B	L	S
L136.020.N	2	12	57,5	10x33
L136.025.N	2,5	15	57,5	10x33
L136.030.N	3	16	57,5	10x30
L136.035.N	3,5	18	57,5	10x30
L136.040.N	4	20	57,5	10x30
L136.050.N	5	25	57,5	10x25
L136.060.N	6	25	57,5	10x25
L136.080.N	8	25	57,5	10x25
L137.020.N	2	12	70	10x33
L137.025.N	2,5	12	70	10x33
L137.030.N	3	24	70	10x30
L137.035.N	3,5	30	70	10x30
L137.040.N	4	32	70	10x30
L137.050.N	5	35	70	10x25
L137.060.N	6	35	70	10x25
L137.080.N	8	35	70	10x25

Z051.302.R On request Z051.505.R

HW DOWEL DRILLS WITH COUNTERSINK Z=2

ART. L138 - L139



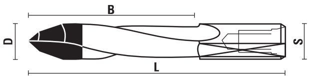
- Spurs ground with negative cutting angle for a good finish
- Cylindrical shank with flat/screw

RH rotation	LH rotation	D	B	L	S
L138.080.R	L138.080.L	8	12	57,5	10x20
L138.081.R	L138.081.L	8	15	57,5	10x20
L138.082.R	L138.082.L	8	20	57,5	10x20
L138.100.R	L138.100.L	10	12	57,5	10x20
L138.101.R	L138.101.L	10	15	57,5	10x20
L138.102.R	L138.102.L	10	20	57,5	10x20
L139.080.R	L139.080.L	8	12	70	10x20
L139.081.R	L139.081.L	8	15	70	10x20
L139.082.R	L139.082.L	8	20	70	10x20
L139.100.R	L139.100.L	10	12	70	10x20
L139.101.R	L139.101.L	10	15	70	10x20
L139.102.R	L139.102.L	10	20	70	10x20

Z051.302.R

HW THROUGH HOLE DRILL BITS "E.T." LINE Z=2

ART. L132 - L133



- **High performance,** double angle geometry
- PTFE-Based coating for a better chip flow
- For natural wood, pressed wood, veneered, chipboard, laminated and MDF

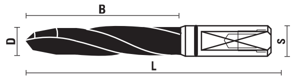
RH rotation	LH rotation	D	B	L	S
L132.050.R	L132.050.L	5	30	58	10x24
L132.060.R	L132.060.L	6	30	58	10x24
L132.080.R	L132.080.L	8	30	58	10x24
L133.040.R	L133.040.L	4	36	70	10x24
L133.050.R	L133.050.L	5	36	70	10x24
L133.060.R	L133.060.L	6	36	70	10x24
L133.064.R	L133.064.L	6,4	36	70	10x24
L133.070.R	L133.070.L	7	36	70	10x24
L133.080.R	L133.080.L	8	36	70	10x24
L133.100.R	L133.100.L	10	36	70	10x24
L133.120.R	L133.120.L	12	36	70	10x24

Z051.302.R

On request Z051.505.R

VHW THROUGH HOLE DRILL BITS "E.T." LINE Z=2

ART. L134 - L135



- **Solid carbide spiral portion**
- **High performance,** double angle geometry
- For natural wood, pressed wood, veneered, chipboard, laminated and MDF

RH rotation	LH rotation	D	B	L	S
L134.050.R	L134.050.L	5	28	58	10x20
L134.060.R	L134.060.L	6	28	58	10x20
L134.080.R	L134.080.L	8	28	58	10x20
L135.040.R	L135.040.L	4	40	70	10x20
L135.050.R	L135.050.L	5	40	70	10x20
L135.060.R	L135.060.L	6	40	70	10x20
L135.064.R	L135.064.L	6,4	40	70	10x20
L135.070.R	L135.070.L	7	40	70	10x20
L135.080.R	L135.080.L	8	40	70	10x20

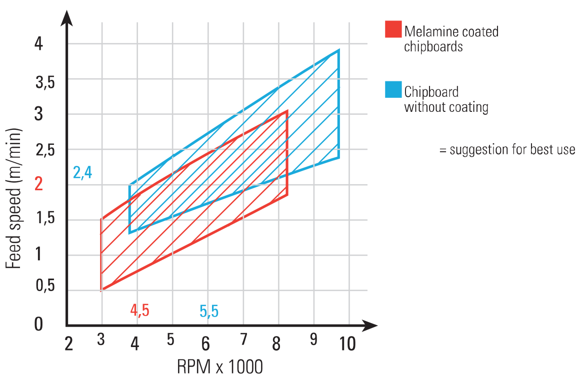
Z051.302.R Z059.001.L Z059.001.R

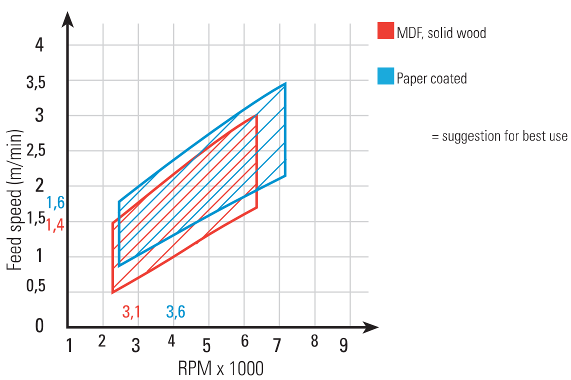
On request Z051.505.R

HW AND VHW THROUGH HOLE DOWEL DRILLS "E.T." EXTRA TIME (art. L132 - L133)

How to determine the feeding speed according to the machine (RPM):

- Referred to a standard common diameter





- Excellent finish result at high feed speed
- Use the solid carbide drills art. L134-L135 for the same result at higher feed speed and RPM