TOOLS FOR WINDOW, DOOR JOINERY & FACADES

CATALOGUE

edition 2024

ALL YOUR CUTTING TOOLS IN ONE PLACE

RS TOOLS

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Chapter 01

Tools for production of window and door joinery PVC, ALU & Wood

Circular Saw Blades HM
PVC and Aluminum Profiles


Circular Saw Blades HM
Wood, Wood Derivatives and Laminates


Solid Carbide Router Bits Z1
Aluminum, Plastics

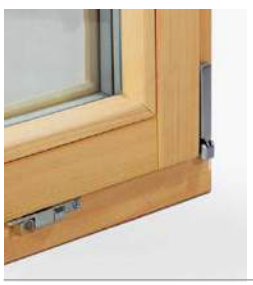

Solid Carbide Router Bits Z2
Aluminum, Plastics


Solid Carbide Router Bits Z3 - Special
PVC Profiles

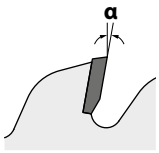

HSS Drill Bits
Handles in PVC Profiles

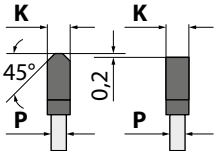

Solid Carbide Spiral Bits Z3 & Z3 with Chipbreaker
Wood, Wood Derivatives and Laminates


HM Drill Bits
Wood, Wood Derivatives and Laminates




PA1





FZ/TR

Technical details:

Circular saw blade with triple chip flat grinded carbide teeth (HW). With negative hook angle and reinforced body for higher resistance to side hits and reduce vibrations. Suited for cutting from above. Blades are silenced.

Application:

Circular saw blade for cutting of non-ferrous profiles, plastic profiles (ex. PVC), etc., with wall thickness up to 7 mm.
The material must always be well clamped to avoid vibration.
Narrow toothed saw blades for sawing thin walled non-ferrous and plastic profiles.

Machines:

For double cross cutting machines, CNC machines, mitre cutting machines, etc. Negative hook angle suited for cutting above.

Materials:

For cutting of non-ferrous profiles, plastic profiles (ex. PVC), etc., with wall thickness till 7 mm

HM saw blades for processing non-ferrous & PVC profiles - with a positive rake angle 5°

D mm	F mm	PH	Z	K mm	P mm	α	ARTICLE
300	30	PH03	96	3,2	2,6	5°	PA1300030096P00
330	30	PH03	102	3,6	3,0	5°	PA1330030102P00

Other dimensions are available on request: www.rs-tools.nl

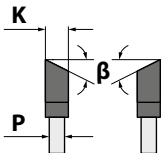
D mm	F mm	PH	Z	K mm	P mm	α	ARTICLE
300	30	PH03	96	3,2	2,6	5°	PA1300030096P00
330	30	PH03	102	3,6	3,0	5°	PA1330030102P00
350	30	PH03	108	3,6	3,0	5°	PA1350030108P00
350	32	2/11/63	108	3,6	3,0	5°	PA1350032108P00
400	30	PH03	120	4,0	3,2	5°	PA1400030120P00
400	32	2/11/63	120	4,0	3,2	5°	PA1400032120P00
450	30	PH03	128	4,0	3,2	5°	PA1450030128P00
450	32	2/11/63	128	4,0	3,2	5°	PA1450032128P00
500	30	2/10,5/70	140	4,2	3,4	5°	PA1500030140P00
550	32	2/11/63	140	4,2	3,4	5°	PA1500032140P00
550	30	2/10,5/70	140	4,2	3,4	5°	PA1550030140P00
550	30	2/10,5/70	168	4,2	3,4	5°	PA1550030168P00
550	32	2/11/63	140	4,2	3,4	5°	PA1550032140P00

HM saw blades for processing non-ferrous & PVC profiles - with a negatve rake angle -5°

D mm	F mm	PH	Z	K mm	P mm	α	ARTICLE
300	30	PH03	96	3,2	2,6	-5°	PA1300030096N00
330	30	PH03	102	3,6	3,0	-5°	PA1330030102N00
350	30	PH03	108	3,6	3,0	-5°	PA1350030108N00
350	32	4/11/63	108	3,6	3,0	-5°	PA1350032108N00
400	30	PH03	120	4,0	3,2	-5°	PA1400030120N00
400	32	2/11/63	120	4,0	3,2	-5°	PA1400032120N00
450	30	PH03	128	4,0	3,2	-5°	PA1450030128N00
450	32	2/11/63	128	4,0	3,2	-5°	PA1450032128N00
500	30	2/10,5/70	140	4,2	3,4	-5°	PA1500030140N00
500	32	2/11/63	140	4,2	3,4	-5°	PA1500032140N00

P01
cross-cutting

HM



WZ

Application:

For cross-cutting while maintaining optimum material quality.
The saws have laser cutting silencing to improve the comfort of work.

Machines:

Table saws and mitre saws.

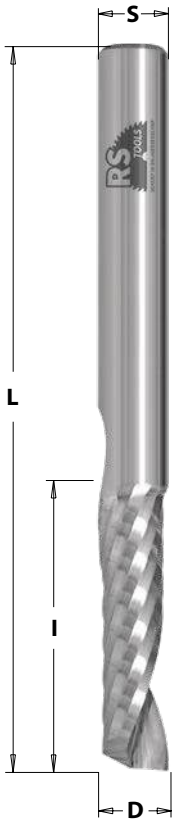
Materials:

Soft, hard and exotic wood, plywood.

D mm	F mm	PH	Z	K mm	P mm	ARTICLE
250	30	PH03	48	3,2	2,2	P0125003004800W
250	30	PH03	60	3,2	2,2	P0125003006000W
250	30	PH03	80	3,2	2,2	P0125003008000W
300	30	PH03	48	3,2	2,2	P0130003004800W
300	30	PH03	72	3,2	2,2	P0130003007200W
300	30	PH03	96	3,2	2,2	P0130003009600W
315	30	PH03	72	3,2	2,2	P0131503007200W
350	30	PH03	54	3,5	2,5	P0135003005400W
350	30	PH03	84	3,5	2,5	P0135003008400W
350	30	PH03	108	3,5	2,5	P0135003010800W
400	30	PH03	60	3,5	2,5	P0140003006000W
450	30	PH03	66	3,8	2,8	P0145003006600W
500	30	PH03	72	4,0	2,8	P0150003007200W

Other dimensions are available on request: www.rs-tools.nl

SP01
positive



VHM | Z1 | RH

Technical details:

- Single blade cutter, positive,
- Perfect finishing of cutting edge - the polished chip groove and blade
- Chip discharge upward
- Special type of carbide - increased tool life
- Possibility of using variety coatings
- Cutting, grooving
- Spiral angle 30°

Application:

For cutting and milling in aluminum, PVC profiles, DIBOND® composites, an alternative to plastics processing. Designed for use on CNC machines.



ALUMINUM
Work parameters:

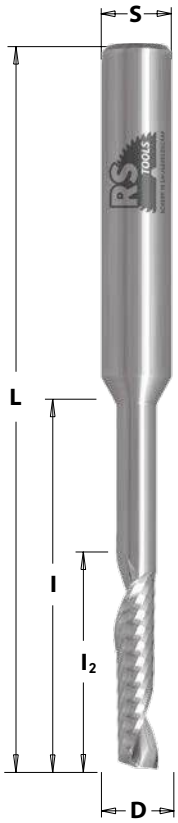
- **RPM 16 000 - 24 000**
- **feed 0,8 - 2 m/min**

PLASTICS, COMPOSITE BOARDS
Work parameters:

- **RPM 16 000 - 24 000**
- **feed 2 - 6 m/min**

D mm	I mm	L mm	S mm	Z	ARTICLE
3	6	60	6	1	SP010300606006R
3	12	60	6	1	SP010301206006R
4	8	60	6	1	SP010400806006R
4	12	60	6	1	SP010401206006R
5	15	60	6	1	SP010501506006R
6	12	60	6	1	SP010601206006R
6	22	60	6	1	SP010602206006R
8	12	60	8	1	SP010801206008R
8	22	60	8	1	SP010802206008R
10	15	60	10	1	SP011001506010R
10	35	80	10	1	SP011003508010R

SP02
positive



VHM | Z1 | RH

Technical details:

- Single blade cutter, positive with lowering
- Perfect finishing of cutting edge - the polished chip groove
- Chip discharge upward
- Special type of carbide - increased tool life
- Possibility of using variety coatings
- Cutting, grooving
- Spiral angle 30°

Application:

For cutting and milling in aluminum, PVC profiles. Designed for use on CNC machines.

D mm	I mm	I_2 mm	L mm	S mm	Z	ARTICLE
3	16	40	80	8	1	SP020301608008R
4	16	40	80	8	1	SP020401608008R
5	20	40	80	8	1	SP020502008008R
6	22	40	80	8	1	SP020602208008R
8	25	45	100	8	1	SP020802510008R
10	20	40	80	10	1	SP021002008010R
10	15	60	100	10	1	SP021001510010R
10	22	80	120	10	1	SP021002212010R

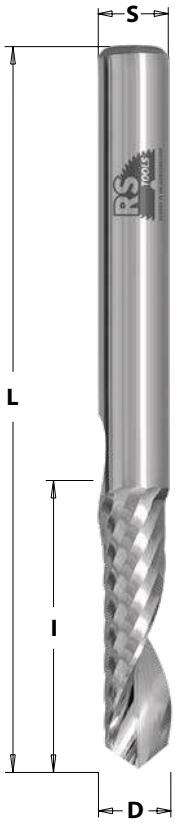
ALUMINUM
Work parameters:

- **RPM 10 000 - 18 000**
- **feed 0,8 - 2 m/min**

PLASTICS
Work parameters:

- **RPM 12 000 - 20 000**
- **feed 2 - 6 m/min**

SP15
positive



VHM | Z1 | RH

Technical details:

- Single blade cutter, positive withdrilling V-point 90°
- Perfect finishing of cutting edge - the polished chip groove and blade
- Chip discharge upward
- Special type of carbide - increased tool life
- Possibility of using variety coatings

Application:

For cutting and milling in aluminum, PVC profiles. Designed for use on CNC machines.



D mm	I mm	I_2 mm	L mm	S mm	Z	ARTICLE
5	25	35	80	8	1	SP150502508008R
5	25	45	100	8	1	SP150502510008R
5	35	55	100	8	1	SP150503510008R
6	25	45	80	8	1	SP150602508008R

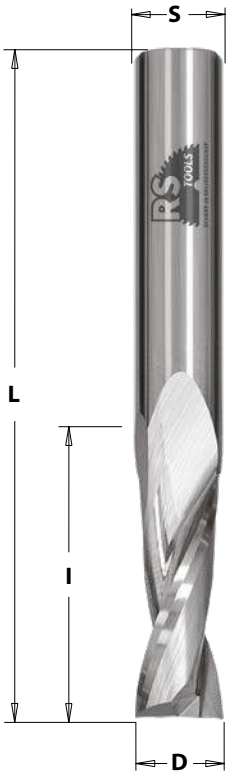
ALUMINUM
Work parameters:

- **RPM 16 000 - 24 000**
- **feed 0,8 - 2 m/min**

PLASTICS
Work parameters:

- **RPM 16 000 - 24 000**
- **feed 2 - 6 m/min**

SQ01
positive



VHM | Z2 | RH

Technical details:

- Two edge blade cutter, positive,
- Prefect finishing of cutting edge - the polished chip groove and blade
- Chip discharge upward
- Special type of carbide - increased tool life
- Possibility of using variety coatings
- Cutting, grooving
- Spiral angle 30°

Application:

For cutting and milling in aluminum and plastics. Designed for use on CNC machines.

ALUMINUM
Work parameters:

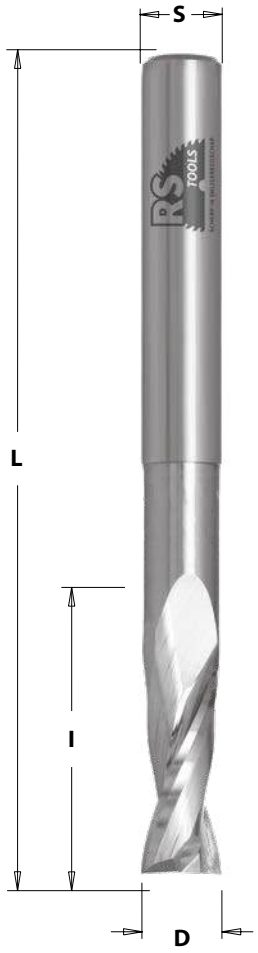
- **RPM 16 000 - 24 000**
- **feed 0,8 - 2 m/min**

PLASTICS
Work parameters:

- **RPM 16 000 - 24 000**
- **feed 2 - 6 m/min**

D mm	I mm	L mm	S mm	Z	ARTICLE
3	12	60	6	2	SQ010301206006R
4	12	60	6	2	SQ010401206006R
5	22	60	6	2	SQ010502206006R
6	12	60	6	2	SQ010601206006R
6	22	60	6	2	SQ010602206006R
8	22	60	8	2	SQ010802206008R
8	35	80	8	2	SQ010803508008R
10	22	60	10	2	SQ011002206010R
10	45	100	10	2	SQ011004510010R
12	25	70	12	2	SQ011202507012R
16	55	110	16	2	SQ011605511016R

SQ02
positive



VHM | Z2 | RH

Technical details:

- Two edge blade cutter, positive with lowering
- Prefect finishing of cutting edge - the polished chip groove and blade
- Chip discharge upward
- Special type of carbide - increased tool life
- Possibility of using variety coatings

Application:

For cutting and milling in aluminum and plastics. Designed for use on CNC machines.



D mm	I mm	L mm	S mm	l_2 mm	Z	ARTICLE
6	22	80	6	45	2	SQ020602208006R
7	22	100	8	42	2	SQ020702210008R
8	20	80	8	45	2	SQ020802008008R
8	22	105	8	65	2	SQ020802210508R
10	25	90	10	50	2	SQ021002509010R
10	25	100	10	50	2	SQ021002510010R
10	25	100	10	80	2	SQ021002512010R
11	15	110	12	65	2	SQ021101511012R
12	25	105	12	65	2	SQ021202510512R
12	25	120	12	85	2	SQ021202512012R

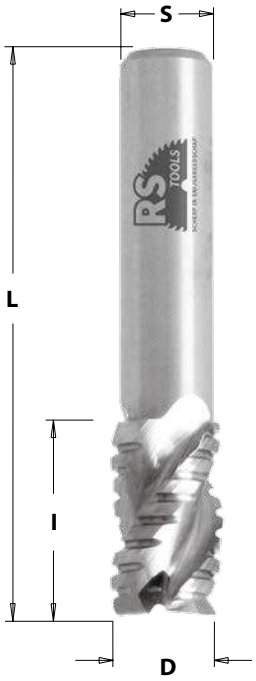
ALUMINUM
Work parameters:

- **RPM 10 000 - 18 000**
- **feed 0,8 - 2 m/min**

PLASTICS
Work parameters:

- **RPM 16 000 - 24 000**
- **feed 2 - 6 m/min**

SW03
positive



VHM | Z3 | RH LH

Technical details:

- Three flute router bit with chip breaker
- Right and left rotating cutter
- Polished chip flute prevents material sticking
- Upward chip ejection
- Special type of carbide with increased tool life
- Coating possible

Application:

For milling cross-sections of PVC profiles in machines for shaped, flashless joining of profiles. Designed for use on GRAF SYNERGY® machines V-perfect technology.

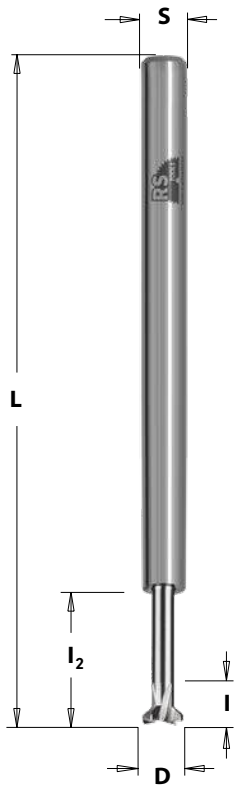


D mm	I mm	L mm	S mm	Z	ARTICLE
6	10	30	5	3	SW030601003005R
6	10	30	5	3	SW030601003005L

HC Coating

D mm	I mm	L mm	S mm	Z	ARTICLE
6	10	30	5	3	SW030601003005HR
6	10	30	5	3	SW030601003005HL

FVH.Rc
T-slot



VHM | Z3 | RH

Technical details:

- Tree flute router bit with T-slots
- Polished chip flute and blade
- Special type of carbide with increased tool life

Application:

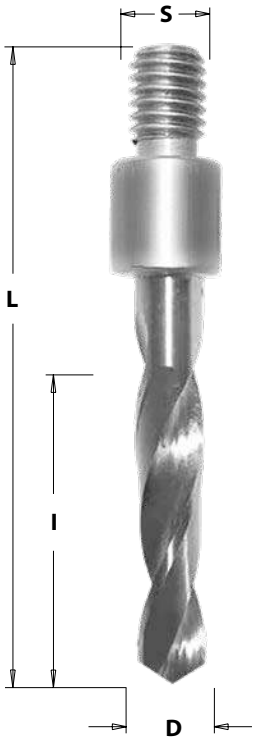
For inside corner cleaning, for machining aluminium and PVC profiles.

Work parameters:

- **RPM 8 000 - 18 000**
- **feed 2 - 12 m/min**

D mm	l mm	l_2 mm	L mm	S mm	Z	ARTICLE
8	1,5	20	100	8	3	FVH0800110008Rc1
8	1,5	20	100	8	3	FVH0800110008Rc2

On order



HSS **RH** **LH**

Technical details:

- Right or left rotating drill bits with external thread
- Available with pilot drill bit - reduces the cutting resistance, and makes it possible to achieve a better quality of the processed surface

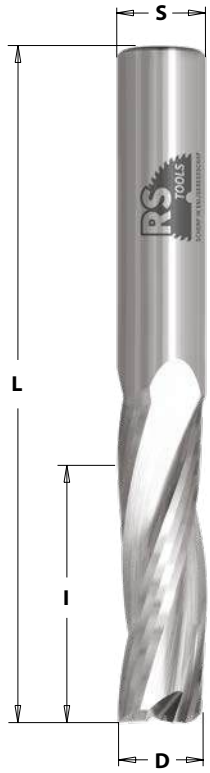
Application:

For drilling holes for handles in PVC profiles. Drilling in aluminum profiles with or without steel reinforcement installed.



D mm	I mm	L mm	S mm	LH / RH	INFO
10	50	87	M10	LH	
10	50	87	M10	RH	
10	50	87	M10	LH	Pilot drill bit
10	50	87	M10	RH	Pilot drill bit
12	50	87	M10	RH	
12	50	87	M10	LH	
12	50	87	M10	LH	Pilot drill bit
12	50	87	M10	RH	Pilot drill bit
10	65	115	M10	LH	
10	65	115	M10	RH	
12	65	115	M10	RH	
12	65	115	M10	LH	

SC01
positive



VHM | Z3 | RH

Technical details:

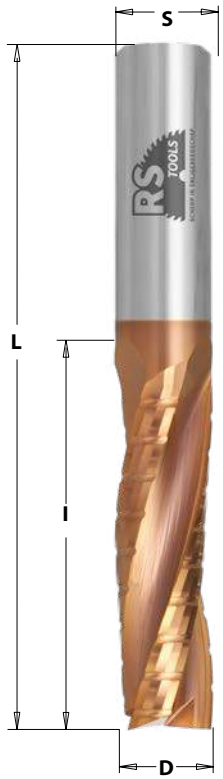
- 3 spiral cutting edges
- Upward chip ejection
- Right-hand / Left-hand rotation
- Premium quality solid carbide
- Excellent finish

Application:

For cutting and milling in solid wood and wood-based materials.
Can be used on machining centres, point to point machines, CNC routers.

D mm	I mm	L mm	S mm	Z	ARTICLE RH
10	42	90	10	3	SC011004209010R
12	42	90	12	3	SC011204209012R
16	35	90	16	3	SC011603509016R
16	55	110	16	3	SC011605511016R
20	60	120	20	3	SC012006012020R

SC23
positive



VHM | Z3R | RH

Technical details:

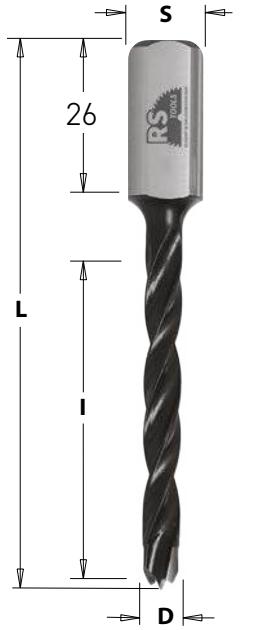
- 3 spiral cutting edges
- Upward chip ejection
- Premium quality solid carbide
- Excellent finish with TiSiN coating

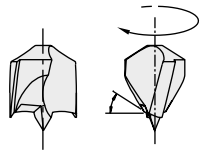
Application:

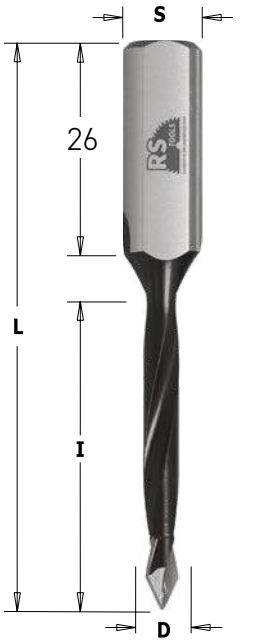
For cutting and milling in solid wood, chipboard , plywood and hard materials. Can be used on machining centres,point to point machines, CNC routers.

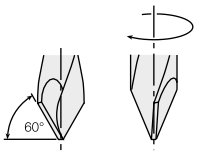
D mm	I mm	L mm	S mm	ARTICLE RH
8	22	60	8	SC230802206008TR
10	25	70	10	SC231002507010TR
12	35	80	12	SC231203508012TR
16	55	110	16	SC231605511016TR
20	60	120	20	SC232006012020TR

BBH4 | TBH1 | TBH2









HM **Z2** **V2** **RH** **LH**

Technical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes (BBH4) and trough holes (TBH1, TBH2) in solid wood, wood composites, plastic and laminated materials.

BBH4

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	43	70	10x20	BBH405004307000R	BBH405004307000L
8	43	70	10x20	BBH408004307000R	BBH408004307000L
10	43	70	10x20	BBH410004307000R	BBH410004307000L
12	43	70	10x20	BBH412004307000R	BBH412004307000L
14	43	70	10x20	BBH414004307000R	BBH414004307000L
15	43	70	10x20	BBH415004307000R	BBH415004307000L

TBH1 for panels with maximum **20 mm** in thickness

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	27	57,5	10x26	TBH105002705701R	TBH105002705701L
8	27	57,5	10x26	TBH108002705701R	TBH108002705701L
10	27	57,5	10x26	TBH110002705701R	TBH110002705701L

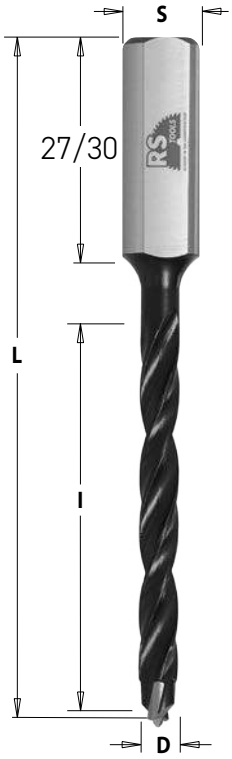
TBH2 for panels with maximum **25-30 mm** in thickness

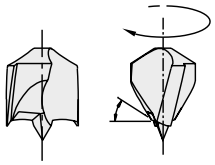
D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	35	70	10x26	TBH205003007001R	TBH205003007001L
8	35	70	10x26	TBH208003007001R	TBH208003007001L
10	35	70	10x26	TBH210003007001R	TBH210003007001L
12	35	70	10x26	TBH212003007001R	TBH212003007001L

Spare parts:

	
BBS1M510	BBS1M511

BBH8 | BBH9





HM | Z2 | V2 | RH | LH

Technical details:

- Super-strength steel
- Cutter portion coated with black or orange P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- Negatively ground spurs [V2]
- 4 spiral flutes
- Parallel shank with driving flat and length adjusting screw

Application:

Used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

BBH8

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	65	105	10x30	BBH805006510512R	BBH805006510512L
6	65	105	10x30	BBH806006510512R	BBH806006510512L
7	65	105	10x30	BBH807006510512R	BBH807006510512L
8	65	105	10x30	BBH808006510512R	BBH808006510512L
10	65	105	10x30	BBH810006510512R	BBH810006510512L
12	65	105	10x30	BBH812006510512R	BBH812006510512L

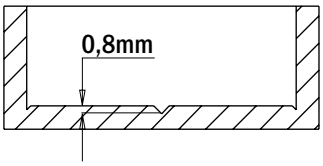
BBH9

D mm	l mm	L mm	S mm	ARTICLE RH	ARTICLE LH
5	50	85	10x27	BBH905005008511R	BBH905005008511L
6	50	85	10x27	BBH906005008511R	BBH906005008511L
7	50	85	10x27	BBH907005008511R	BBH907005008511L
8	50	85	10x27	BBH908005008511R	BBH908005008511L
10	50	85	10x27	BBH910005008511R	BBH910005008511L
12	50	85	10x27	BBH912005008511R	BBH912005008511L

Spare parts:

	
BBS1M510	BBS1M511

HBH1 | HBH2



HM **Z2** **V2** **RH** **LH**

Technical details:

- Super-strength steel
- Cutter portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point
- 2 HW precision ground cutting edges [Z2]
- 2 negatively ground spurs [V2]
- Parallel shank with driving flat and length adjusting screw

Application:

Ideal for hinges. Use on boring machines equipped with adapters or chucks. Use for drilling accurate and cleancut blind holes in solid wood, wood composites, plastic and laminated materials.

HBH1

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
15	57,5	10x26	HBH11500571R	HBH11500571L
20	57,5	10x26	HBH12000571R	HBH12000571L
25	57,5	10x26	HBH12500571R	HBH12500571L
30	57,5	10x26	HBH13000571R	HBH13000571L
35	57,5	10x26	HBH13500571R	HBH13500571L
40	57,5	10x26	HBH14000571R	HBH14000571L

HBH2

D mm	L mm	S mm	ARTICLE RH	ARTICLE LH
15	70	10x26	HBH21500701R	HBH21500701L
20	70	10x26	HBH22000701R	HBH22000701L
25	70	10x26	HBH22500701R	HBH22500701L
30	70	10x26	HBH23000701R	HBH23000701L
35	70	10x26	HBH23500701R	HBH23500701L
40	70	10x26	HBH24000701R	HBH24000701L

Spare parts:

	
BBS1M510	BBS1M511

Chapter 02

VHM and PCD Tools for Facades - Materials and Tools

Aluminum Plates
Material available in various sizes and thicknesses.
Hot and cold rolled plates, which allows them to maintain their excellent parameters. Aluminum plates are characterized primarily by ease of processing.

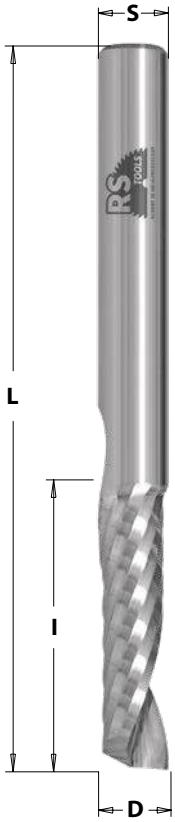
Composite Board AL/PE/AL
Material characterized by lightness, stiffness and durability. They are made of two layers of aluminum with a thickness of 0.3 - 0.5 mm, connected by a core made of low-density polyethylene. Materials with names such as **ALUCOBOND®, DIBOND®, STACBOND®,PLABOND®**

Composite Board A2
Material characterized by lightness, stiffness and durability. They are made of two layers of aluminum with a thickness of 0.3 - 0.5 mm, connected by a non-flammable mineral core. Materials with names such as **ETALBOND®A2, QBOND®A2**

High Pressure Laminate
Laminate produced under high pressure. This type of boards are made of several or a dozen or so layers of paper impregnated with resin. Under great pressure and high temperature, an extremely resistant material with very good visual properties is created.

Fiber Cement Board
Fiber-cement boards are made of cement, minerals, cellulose fibers and fillers. During the production process, thin layers of material are placed on top of each other and then, after completing the slow hardening process, very tightly compressed.

SP01HR
HC Coating
positive



VHM | Z1 | RH

Technical details:

- Single blade cutter, positive,
- Perfect finishing of cutting edge - the polished chip groove
- Chip discharge upward
- Special type of carbide - increased tool life
- HC coating prevents the material from sticking and increases its tool service life
- Spiral angle 30°

Application:

For cutting, grooving and milling in aluminum, composite board AL/PE/AL, Dibond® composite, an alternative to plastics processing. Designed for use on CNC machines.

D mm	I mm	L mm	S mm	Z	ARTICLE
3	6	60	6	1	SP010300606006HR
4	8	60	6	1	SP010400806006HR
6	12	60	6	1	SP010601206006HR
8	12	60	8	1	SP010801206008HR

ALUMINUM
Work parameters:

- **RPM 16 000 - 24 000**
- **feed 0,8 - 2 m/min**

COMPOSITE BOARDS
Work parameters:

- **RPM 16 000 - 24 000**
- **feed 3 - 6 m/min**

FVH

VHM | Z1 | Z2

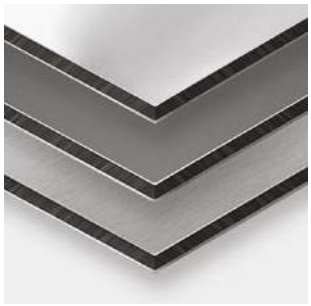
Technical details:

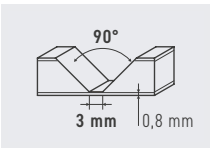
- Dibond bend cutter, 3 different types:
  V-90, V-90 (1,8mm), V-108, V-135
- Special type of carbide - increased tool life
- Possibility of using variety coatings

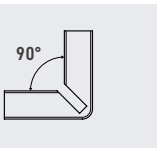
Application:

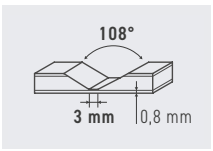
For making bends in composite material of the DIBOND® type. Designed for use on CNC machines.

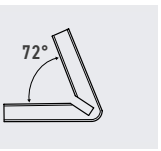
D mm	D_1 mm	I mm	L mm	S mm	α	ARTICLE
16	3	15	60	12	90°	FVH1601506012Ra1
16	3	15	60	12	108°	FVH1601506012Ra2
18	2	15	60	12	135°	FVH1801506012Ra3





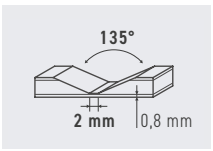


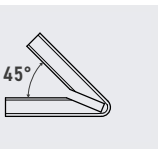


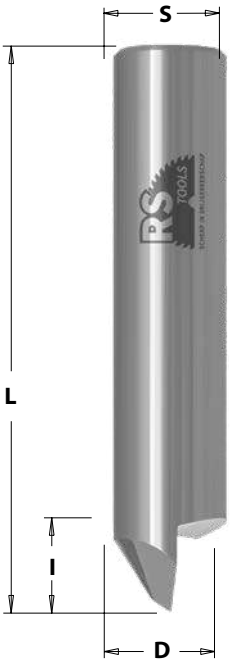


Work parameters:

- **RPM 20 000 - 22 000**
- **feed 4 - 8 m/min**





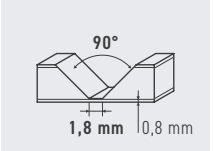


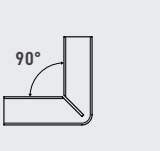
Dibond bend cutter Z1, 1,8 mm:

D mm	D_1 mm	I mm	L mm	S mm	α	ARTICLE
10	1,8	4	50	10	90°	FVH1000405010Ra1

Work parameters:

- **RPM 20 000 - 22 000**
- **feed 4 - 8 m/min**





FDT | FDH

Z2 | RH | LASER ABLATION

Technical details:

- Full double PCD tips,
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness Ra ≤0,3 µm
- Height of PCD tip 4 mm
- Can be resharpened (3-4 times)

Application:

For cutting,grooving and milling in aluminum, composite board A2 Etalbond® A2 and for making bends in 90°. Designed for use on CNC machines.

Advantages:

Excelent finish of machining elements and quiet work.

FDT for Cutting:

D mm	D_1 mm	l mm	L mm	S mm	α	Z	ARTICLE
12	6	6	80	12	45°	2	FDT12006121SR
12	7	6,5	80	12	45°	2	FDT12006120SR

Work parameters:

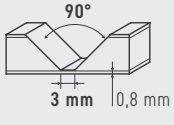
- **RPM 18 000 - 22 000**
- **feed 4 - 6 m/min**

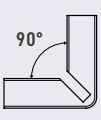
FDH for Bending:

D mm	D_1 mm	l mm	L mm	S mm	α	Z	ARTICLE
12	2	5	55	12	45°	2	FDH12005121SR
18	3	7,75	50	16	45°	2	FDH18007160SR

Work parameters:

- **RPM 20 000 - 22 000**
- **feed 4 - 8 m/min**





Other dimensions are available on request: www.rs-tools.nl

SY26XR
straight

VHM | RH | Z2

Technical details:

- Two edge blade cutter, straight
- Prefect finishing of cutting edge - the polished chip groove
- Chip discharge sideway
- Special type of carbide - increased tool life
- NaDia coating prevents the material from sticking and increases durability of tools
- Cutting, grooving

Application:

For cutting and milling HPL alternatively for plastics processing. Designed for use on CNC machines.

Advantages:

High wear resistance during processing in hard materials. Extended tool life and higher machining quality.

D mm	I mm	L mm	S mm	ARTICLE
4	15	60	4	SY260401506004XR
6	15	60	6	SY260601506006XR
8	15	60	8	SY260801506008XR
10	15	60	10	SY261001506010XR

Work parameters:

- **RPM 16,000 - 18,000**
- **feed 2 - 4 m/min**

DTS/DT3
positive-negative-straight

Z2 | RH | LASER ABLATION

Technical details:

- Full double PCD tips or full triple PCD tips, positive-negative / positive-negative-straight
- Chip discharge sideway
- Body made from DENSIMET®
- PCD tip at the bottom to drill
- Approval class of shank H6
- The shank surface roughness Ra ≤0,3 µm
- Height of PCD tip 3,5 mm
- Can be resharpened (3-4 times)

Application:

For cutting and milling HPL. Designed for use on CNC machines.

Advantages:

High wear resistance during processing in hard materials. Extended tool life and higher machining quality. Perfect chip ejection, excellent finish of the working edge and quiet work.

D mm	I mm	L mm	S mm	Z	ARTICLE
10	20	65	12	2	DTS10020120DR
12	20	66	12	2	DTS12020120DR
12	15	70	12	3	DT312015120DR

Work parameters:

- **RPM 16 000 - 20 000**
- **feed 4 - 9 m/min**

Other dimensions are available on request: www.rs-tools.nl

CNR
positive-negative

VHM | RH

CNR

Technical details:

- Spherical multi-edge geometry, positive-negative
- Prefect roughing of cutting edge
- Chip discharge sideway
- Version of the tip - CNR - rosette
- Geometry adapted to the processing of composites, preventing delamination and pulling out of glass and carbon fibers
- Special type of carbide - increased tool life
- Possibility of using variety coatings

Application:

For cutting and milling in composite materials GFK, CFK, textolite, composite matrix, HPL, fiber cement board. Designed for use on CNC machines.

Work parameters:

- **RPM 6 000 - 16 000**
- **feed 0,8 - 3 m/min**

D mm	I mm	L mm	S mm	ARTICLE ROSETTE TIP
3	10	45	3	CNR0301004503R
3	10	60	6	CNR0301006006R
4	18	60	4	CNR0401806004R
4	22	60	6	CNR0402206006R
5	16	50	5	CNR0501605005R
6	25	70	6	CNR0602507006R
8	30	80	8	CNR0803008008R
10	30	90	10	CNR1003009010R
12	30	90	12	CNR1203009012R

Diamond Router Bits for Fiber Cement Board

DT1/2/3/5

RH

LASER ABLATION

Technical details:

- PCD tips,
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness Ra ≤0,3 µm
- Can be resharpened (3-4 times)

Application:

For cutting and milling in composite materials GFK, CFK, textolite, composite matrix, HPL, fiber cement board. Designed for use on CNC machines.

Work parameters:

- **RPM 10 000 - 18 000**
- **feed 4 - 8 m/min**

D mm	I mm	I_2 mm	L mm	S mm	Z	PCD H mm	ARTICLE
6	11	-	50	6	1	3	DT106011060MR
12	5	-	56	12	2	2,5	DT212005120SR
12	15	35	85	12	3	3	DT312015120SR
16	10	90	130	16	5	3	DT516010162SR
18	22	-	100	20	5	3	DT518022200SR
20	25	50	90	20	5	3	DT520025200SR

ALL YOUR CUTTING TOOLS IN ONE PLACE

ALL YOUR CUTTING TOOLS IN ONE PLACE

Cross cut

Longitudinal cut

Cross and longitudinal cut

Saws for longitudinal cut on Multi rip machines

Saw blades for grooving

Z — Number of tooth

ALU — Aluminium body

HM — Tungsten carbide tipped

HSS — High speed steel

SYM — Symmetrical rotation

MAN — Manual feed

NOISE REDUCTION — Noise-reduction

RH — Right-hand rotation

RH LH — Right-hand & Left-hand rotation

LASER ABLATIO N — Sharpening by **laser ablation** method

Cross cut of ALU profiles

Polycrystalline diamond

EXCHANGEABL KNIVES — Tools with changeable knives

HM — Monolit carbide tools

SP — Alloyed tools steel

MEC — Mechanical feed

Accessories

LH — Left-hand rotation

Chrome saw blades

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