



ITA TOOLS router bits for material processing composites, plastics and aluminum

Widely used in the industry:

- **modern carpentry** (HPL furniture, PLEXI glazing, aluminum profiles)
- **advertising** (promotional furniture, stands, light boxes, etc.)
- **construction** (facade elements, decorations, partition walls, etc.)
- **automotive** (components, body parts, etc.)
- **production of windows and doors** made of plastic and aluminum



Scan the QR code and see the full offer of router bits for composites and plastics



Available in a warehouse

New in offer



HPL ROUTER BITS

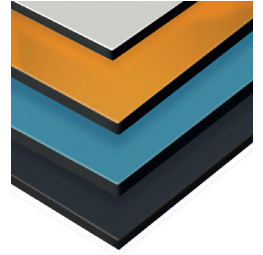
Two-flute, straight VHM router bits with NaDIA coating. Coating prevents material from sticking and increases durability tools.

Industry:

Construction, furniture, sanitary, HoReCa.




Z2



Work parameters:

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

CUTTING, GROOVING	TYPE	D mm	I mm	L mm	S mm	Z	Series	OLD SYMBOL	NEW SYMBOL	PROPERTIES
	VHM	8	15	60	8	Z2	SY26	912.08.015.060.08XRi	SY26.08.015.060.08XE	<ul style="list-style-type: none"> • Straight (side chip ejection) • Cutting, grooving

ROUTER BITS FOR PLEXI / ACRYLIC

Single-edge VHM router bits. Polished spiral prevents material sticking.

Industry:







Advertising, machinery, automotive, aviation, railway, yachting, sanitary, HoReCa, window and equipment manufacturers, sports.

Z1



Work parameters:

- RPM 18 000 - 24 000
- feed 2 - 6 m/min

CUTTING, GROOVING	TYPE	D mm	I mm	L mm	S mm	Z	Series	OLD SYMBOL	NEW SYMBOL	PROPERTIES
	VHM	3	6	60	6	Z1	ST01	198.03.006.060.06RP	ST01.03.006.060.06RE	<ul style="list-style-type: none"> • Positive (upward chip ejection) • Spiral angle 25° • Cutting, grooving
	VHM	4	12	60	6	Z1	ST01	198.04.012.060.06RP	ST01.04.012.060.06RE	
	VHM	6	22	60	6	Z1	ST01	198.06.022.060.06RP	ST01.06.022.060.06RE	
	VHM	3	12	60	6	Z1	ST28	198.03.012.060.06RPs	ST28.03.012.060.06RE	<ul style="list-style-type: none"> • Positive (upward chip ejection). Does not tear the material up - an alternative to a negative router bits • Minimum spiral angle - 15° • Material thickness 1 mm - 8 mm • Cutting, grooving
	VHM	4	12	60	6	Z1	ST28	198.04.012.060.06RPs	ST28.04.012.060.06RE	
	VHM	3	6	60	6	Z1	ST51	198.03.006.060.06RPn	ST51.03.006.060.06RE	<ul style="list-style-type: none"> • Negative (downward chip ejection). Does not tear the material up • Spiral angle 25° • Thin materials • Cutting

ROUTER BITS FOR ALUMINUM

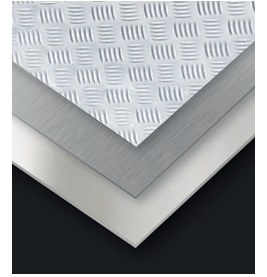
Single-edge VHM router bits, positive with a 30° angle in the HC coating. The coating prevents the material from sticking and increases its tool service life.

Industry:

Construction, machinery, automotive, aviation, railway, yacht, sanitary, HoReCa, window and door manufacturers, profiles.



Z1



Work parameters:

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

CUTTING, GROOVING	TYPE	D mm	I mm	L mm	S mm	Z	Series	OLD SYMBOL	NEW SYMBOL	PROPERTIES
	VHM	4	8	60	6	Z1	SP01	198.04.008.060.06HRa	SP01.04.008.060.06HE	<ul style="list-style-type: none"> • Positive (upward chip ejection) • Spiral angle 30° • Aluminum and sheet metal processing • Cutting, grooving
	VHM	6	12	60	6	Z1	SP01	198.06.012.060.06HRa	SP01.06.012.060.06HE	

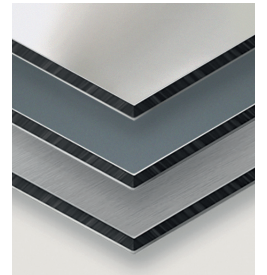
ROUTER BITS FOR COMPOSITE BOARDS

Single-edge VHM router bits, positive with a 30° angle. Polished spiral prevents the material from sticking.

Industry:

Advertising, construction, machinery, automotive, aviation, railway, yacht, sanitary, HoReCa, manufacturers of windows, doors and profiles

Z1



Work parameters:

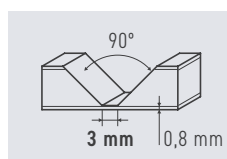
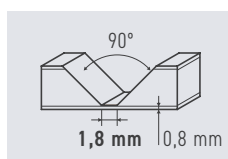
- RPM 18 000 - 24 000
- feed 3 - 6 m/min

CUTTING	TYPE	D mm	I mm	L mm	S mm	Z	Series	OLD SYMBOL	NEW SYMBOL	PROPERTIES
	VHM	3	6	60	6	Z1	SP01	198.03.006.060.06Ra	SP01.03.006.060.06RE	<ul style="list-style-type: none"> • Positive (upward chip ejection) • Spiral angle 30° • Processing of composite board, aluminum • Cutting, grooving
	VHM	4	8	60	6	Z1	SP01	198.04.008.060.06Ra	SP01.04.008.060.06RE	

Two-flute router bits for bending composite board at an angle of 90°.

Industry:

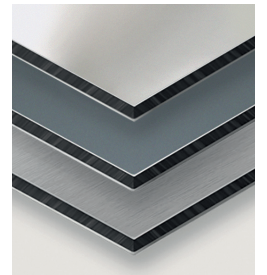
Advertising, construction.



Work parameters:

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

Z2

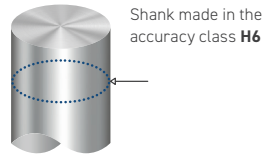
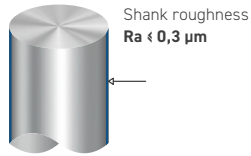


FOLD	TYPE	D mm	I mm	L mm	S mm	Z	Series	OLD SYMBOL	NEW SYMBOL	PROPERTIES
	VHM	10	4	50	10	Z1	FVH	915.10.004.050.10Ra1	FVH.10.004.050.10RaE	<ul style="list-style-type: none"> • Router bit with bottom step 1.8 mm • 90° fold
	VHM	16	15	60	12	Z2	FVH	915.16.015.060.12Ra1	FVH.16.015.060.12RaE	<ul style="list-style-type: none"> • Router bit with bottom step 3 mm • 90° fold

MDF / LAMINATE

PCD router bit for cutting and formatting materials such as chipboard laminated on one or both sides or coated with melamine film, MDF.



Industry:
Carpentry.



Dynamic balance in class **G2.5**

Z1+1



CUTTING	TYPE	D mm	I mm	L mm	S mm	Z	Series	OLD SYMBOL	NEW SYMBOL	PROPERTIES
	DIA	12	45	90	12	Z1+1	DTA	DTA.12.045.12.OSR	DTA.12.045.12.OSRE	<ul style="list-style-type: none"> • One full diamond blade spread on three spirals • The height of the diamond plate is H2.5 • Can be sharpened max. 2-3 times • The body is made of stainless steel, • Cutting
	DIA	14	45	94	12	Z1+1	DTA	DTA.14.045.12.OSR	DTA.14.045.12.OSRE	

LEGEND: D - diameter | I - working height | L - total length | S - shank diameter | Z - number of blades

Z1 number of blades



polished spiral



coating



diamond blade

ITA TOOLS Sp. z o.o.

📍 Wodna 9 Street
Cracow 30-556, Poland
VAT No.: PL6793008547

Export Department

☎ phone: +48 12 306 79 03
📱 mobile: +48 504 829 946
✉ e-mail: export@itatools.pl