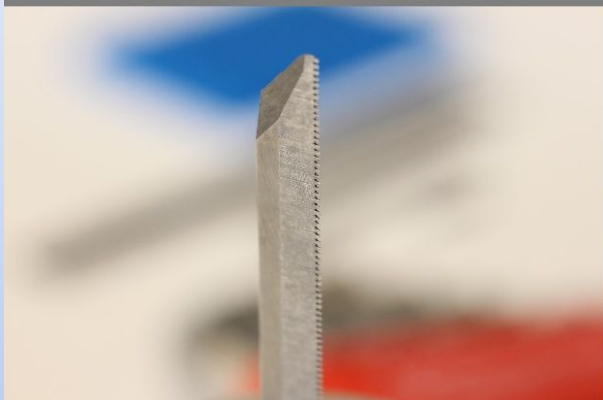
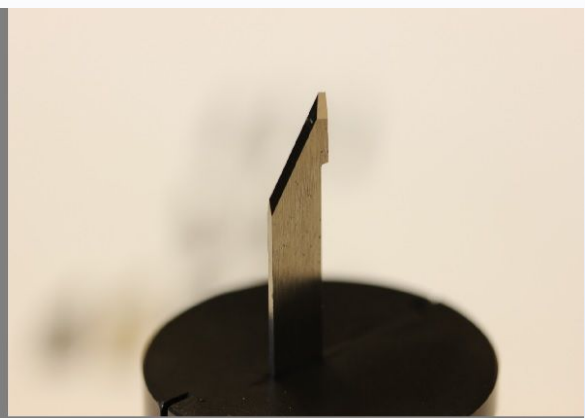


EASY2TRADE

TOOLING SOLUTIONS FOR DIGITAL CUTTING



TOOLING CATALOGUE

Issue 4

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Knives

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Comparison list Zünd

Zünd Art. No.	Type Zünd	Art. No. E2T	Type E2T
3910105	Z1	2701601	e1
3910110	Z2	2702602	e2
3910115	Z3	2703603	e3
3910116	Z4	2704604	e4
3910117	Z5	2705605	e5
3910301	Z10	2710101	e10
3910309	Z11	2711104	e11
--	Z12	2712112	e12
--	Z13	2713113	e13
3910306	Z16	2716102	e16
3910307	Z17	2717103	e17
3910313	Z20	2720106	e20
3910314	Z21	2721107	e21
3910315	Z22	2722108	e22
5005560	Z23	2723100	e23
3910317	Z26	2726109	e26
3910318	Z28	2728110	e28
3910319	Z29	2729111	e29

Zünd Art. No.	Type Zünd	Art. No. E2T	Type E2T
3910330	Z30	2730116	e30
3910331	Z31	2731117	e31
3910333	Z33	2733118	e33
3910334	Z34	2734119	e34
4800071	Z35	2735121	e35
3910323	Z41	2741114	e41
3910324	Z42	2742115	e42
3910340	Z44	2744120	e44
4800073	Z46	2746101	e46
3910335	Z50	2790001	e025
3910336	Z51	2790002	e028
3910337	Z52	2790003	e032
5201345	Z60	2760001	e60
5201343	Z61	2761001	e61
5002488	Z62	2762101	e62
5002637	Z68	2763101	e63
5002739	Z64	27640001	e64
5200479	Z66	2766001	e66

Comparison list Zünd

Zünd Art. No.	Type Zünd	Art. No. E2T	Type E2T
5204301	Z68	2768001	e68
5204302	Z69	2769001	e69
5005642	Z70	2770001	e70
5006045	Z71	2771001	e71
5005572	Z73	2761329	e73
5206878	Z83	2783100	e83
5217696	Z101	2710100	e101
5219049	Z102	2710200	e102
522104	Z104	2710400	e104
5222973	Z205	2720500	e205
5222976	Z205c	2720501	e205c

Zünd Art. No.	Type Zünd	Art. No. E2T	Type E2T
3910151	W1	2501603	eW1
3910152	W2	2502604	eW2
390153	W5	2505605	eW5
3910154	W6	2506606	eW6
3910155	W7	2507607	eW7
3910156	W8	2508608	eW8
3910157	W9	2509609	eW9
3910302	Typ 2	2703250	e32
3910303	Typ 3	2774650	e746
3910310	Typ 6	2774850	e784



Comparison list Summa

Summa Art. No.	E2T Art. No.	Type E2T
391-360	2703501	S35D
391-231	2706002	S60D
390-534	2703601	S36T
390-551	2703602	S36T2
390-560	2704501	S45T
390-550	2706001	S60T
500-9800	2701705	e17
500-9811	27020106	e20
500-9812	2721107	e21
500-9810	2722108	e22
500-9815	2723100	e23



Summa Art. No.	E2T Art. No.	Type E2T
500-9814	2728110	e28
500-9807	2746101	e46
500-9825	2761329	e73
500-9802	2112101	e112
500-9804	2112102	e112a
500-9803	2113102	e113
500-9831	2619831	e831
500-9834	2109715	e1015
500-9860	2790001	e025
500-9861	2790002	e028
500-9862	2790003	e032

Comparison list Mimaki





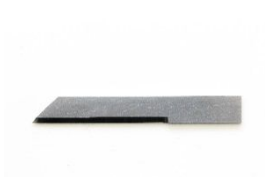

Mimaki Art. No.	E2T Art. No.	Type E2T
SPB-0001	2703001	M30
SPB-0030	2704503	M452

Drag knives


Drag knives are mainly used to cut hard and tough materials. Double-sided knives do usually have a longer durability, as the cutting edge is more stable.

Art. No.	Type		Application
2701601	e1		Magnetic foil, Masking film, Polycarbonate, Cardstock
2702602	e2		Self-adhesive foils, Magnetic foil, Reflective vinyls, Cardstock, Polycarbonate, Masking film
2703603	e3		Self-adhesive foils, Magnetic foil, Polycarbonate, Masking film
2704604	e4		Reflective vinyls, Sandblast vinyls, Polycarbonate, Cardstock, Pattern materials
2705605	e5		Reflective vinyls, Polycarbonate, Cardstock, Pattern materials, Tarpaulin

Art. No.	Type	Application
2710101	e10	 <p>Canvas, Corrugated plastic, Expanded PVC, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVC Banner, Paper, Polycarbonate, Polyester fabric, Tarpaulin</p>
2711104	e11	 <p>Canvas, Expanded PVC, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVC Banner, Polycarbonate, Polyester fabric, Tarpaulin</p>
2712112	e12	 <p>Canvas, Corrugated plastic, Expanded PVC, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVC Banner, Paper, Polycarbonate, Polyester fabric, Tarpaulin</p>
2713113	e13	 <p>Canvas, Expanded PVC, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVC Banner, Polycarbonate, Polyester fabric, Tarpaulin</p>
2716102	e16	 <p>Canvas, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVS Banner, Paper, Polyester fabric, Foam, Gasekt materials</p>
2717103	e17	 <p>Folding Carton, Magnetic foil, Canvas, Self-adhesive vinyls, Reflective vinyls, PVC Banner, Paper, Polyester fabric, Foam, Gasket materials</p>




Art. No.	Type	Application
2717105	e17 special	 <p>Shank size 4mm Folding Carton, Magnetic foil, Canvas, Self-adhesive vinyls, Reflective vinyls, PVC Banner, Paper, Polyester fabric, Foam, Gasket materials</p>
2703250	e32	 <p>HSS-Drag knife for Polyester fabric</p>
2744120	e44	 <p>Carpet, Tarpaulin</p>
2746101	e46	 <p>Corrugated plastic, Foam board, PVC Banner, Paper, Polyester fabric, Carpet, Tarpaulin</p>
2770001	e70	 <p>Corrugated, Corrugated sandwich, Corrugated plastic, Foam board, Carpet</p>
2771001	e71	 <p>Corrugated, Corrugated sandwich, Corrugated plastic, Foam board, Carpet</p>

Art. No.	Type	Application
2761329	e73	 <p>Corrugated, Corrugated sandwich, Corrugated plastic, Foam board, Carpet</p>
2783100	e83	 <p>asymmetrical PVC, Polycarbonate, Polypropylene, Folding Carton, Hardfoam, Magnetic foil</p>
27010100	e101	 <p>asymmetrical PVC, Polycarbonate, Polypropylene, Folding Carton, Hardfoam, Magnetic foil</p>
2710200	e102	 <p>Corrugated plastic, Foam board, Foam, PVC Banner, Paper, Polyester Fabric, Tarpaulin</p>
2112101	e112	 <p>Canvas, Corrugated plastic, Expanded PVC, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVC Banner, Paper, Polycarbonate, Polyester fabric, Tarpaulin</p>
2112102	e112a	 <p>asymmetrical Canvas, Corrugated plastic, Expanded PVC, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVC Banner, Paper, Polycarbonate, Polyester fabric, Tarpaulin</p>

Art. No.	Type	Application
2113102	e113	 Canvas, Corrugated plastic, Expanded PVC, Self-adhesive vinyls, Reflective vinyls, Folding Carton, Magnetic foil, PVC Banner, Paper, Polycarbonate, Polyester fabric, Tarpaulin
2774650	e746	 HSS-Drag knife for Polyester fabric
2774850	e784	 HSS-Drag knife for Canvas, Folding Carton, Magnetic foil, Paper, Polycarbonate, Polyester fabric
2501603	eW1	 WILD-Plotter knife Magnetic foil, Masking film, Polycarbonate, Cardstock
2502604	eW2	 WILD-Plotter knife Self-adhesive foils, Magnetic foil, Reflective vinyls, Cardstock, Polycarbonate, Masking film
2505605	eW5	 WILD-Plotter knife Self-adhesive foils, Magnetic foil, Polycarbonate, Masking film


Art. No.	Type		Application
2506606	eW6		WILD-Plotter knife Paper, Cardstock, Tarpaulin
2507607	eW7		WILD-Plotter knife Polyester, Cardstock
2508608	eW8		WILD-Plotter knife Polyester, Cardstock
2509609	eW9		WILD-Plotter knife Polyester, Cardstock
2703601	S36T		for Summa T-Series 36° Paper, Adhesive vinyl, Sandblast material, Adhesive PVC, Banner vinyl, Window film, Magnetic foil
2703602	S36T2		for Summa T-Series 36° double-sided Paper, Adhesive vinyl, Sandblast material, Adhesive PVC, Banner vinyl, Window film, Magnetic foil







Art. No.	Type	Application
2704501	S45T	 <p>for Summa T-Series 45° Paper, Adhesive vinyl, Sandblast material, Adhesive PVC, Banner vinyl, Window film, Magnetic foil</p>
2706001	S60T	 <p>for Summa T-Series 60° Paper, Adhesive vinyl, Sandblast material, Adhesive PVC, Banner vinyl, Window film, Magnetic foil</p>
2703501	S35D	 <p>for Summa D-Series 35° Paper, Adhesive vinyl, Adhesive PVC, Banner vinyl with Offset 0.45</p>
2706002	S60D	 <p>for Summa D-Series 60° Paper, Adhesive vinyl, Adhesive PVC, Banner vinyl with Offset 0.75</p>
2703001	M30	 <p>Mimaki-Drag knife 30° Offset 0.30 (SPB-0001)</p>
2704503	M452	 <p>Mimaki-Drag-knife 45° Offset 0.30 (SPB-0030)</p>

Art. No.	Type		Application
2703530	R30		Roland Drag knife 30° Offste 0.25
2703540	R40		Roland Drag knife 40° Offste 0.25
2703045	R45		Roland Drag knife 45° Offste 0.25







Oscillating knives





Oscillating knives are mainly used for soft and fibrous materials. Pointed Oscillating knives are used to cut small radii and fine contours. If the materials is fibrous, an Oscillating knife with a flat, additional cutting edge is recommended.

Art. No.	Type		Application
2720106	e20		Corrugated, Corrugated plastic, Corrugated sandwich, Foam board, Folding Carton, Magnetic foil, Polyester fabric, Rubber, Felt, Foam

Art. No.	Type		Application
2721107	e21		Corrugated, Corrugated plastic, Corrugated sandwich, Foam board, Folding Carton, Magnetic foil, Polyester fabric, Rubber, Foam
2722108	e22		Corrugated, Corrugated plastic, Corrugated sandwich, Foam board, Folding Carton, Magnetic foil, Polyester fabric, Rubber, Felt, Foam
2723100	e23		Corrugated, Corrugated plastic, Corrugated sandwich, Foam board, Folding Carton, Rubber, Foam
2725109	e25		Aramid fibre, Carbon fibre, Corrugated, Fabric, Felt, Glass fibre, Nonwoven fabric, Nylon fabric, Polyester fabric, Sandwich board, Leather hide, Rubber
2726109	e26		Aramid fibre, Carbon fibre, Corrugated, Fabric, Felt, Glass fibre, Nonwoven fabric, Nylon fabric, Polyester fabric, Sandwich board, Leather hide, Rubber
2728110	e28		Corrugated, Foam board, Foam, Insulating mat

Art. No.	Type		Application
2729111	e29		Corrugated, Foam board, Foam, Insulating mat
2741114	e41		Aramid fibre, Carbon fibre, Fabric, Felt, Glass fibre, Nonwoven fabric, Nylon fabric, Leather hide, Corrugated, Foam
2742115	e42		Aramid fibre, Carbon fibre, Corrugated, Fabric, Felt, Glass fibre, Nonwoven fabric, Nylon fabric, Polyester fabric, Leather hide
2760001	e60		Corrugated, Corrugated plastic, Corrugated sandwich, Felt, Foam board, Folding Carton, Rubber, Leather hide
2761001	e61		Corrugated, Corrugated plastic, Corrugated sandwich, Felt, Foam board, Folding Carton, Rubber
2762101	e62		Corrugated, Aramid fibre, Carbon fibre, Fabric, Felt, Foam board, Folding Carton, Glass fibre, Nonwoven fabric, Nylon fabric, Polyester fabric, Leather hide, Foam

Art. No.	Type		Application
2763101	e63		Foam, Insulating mat
27640001	e64		HSS-Oscillating knife for Corrugated, Foam, Foam board, Insulating mat
2766001	e66		Re-board, X-board, D-board, Honeycomb
2768001	e68		Corrugated, Corrugated sandwich, Corrugated plastic
2769001	e69		Corrugated, Corrugated sandwich, Corrugated plastic
2710400	e104		used to cut small radii

Art. No.	Type	Application
2720500	e205 Illustration follows	Leather hide, Nonwoven Fabric, Felt, Folding carton
2720501	e205c Illustration follows	coated Leather hide
2112100	e121	 Corrugated, Corrugated plastic, Corrugated sandwich, Foam board, Folding Carton, Magnetic foil, Polyester fabric, Rubber, Foam
2109706	e1006	 Gasket materials, Packaging, Foamed materials, Rubber
2109710	e1010	 Gasket materials, Packaging, Foamed materials, Rubber
2109715	e1015	 Gasket materials, Packaging, Foamed materials, Rubber

Rotation knives

Rotation knives are used for fibrous materials. Due to the 10 segments, a constantly rotation will cut through all fibres and will cause a proper cutting result.

Art. No.	Type	Application
2790001	e025	 Aramid fibre, Carbon fibre, Fabric, Felt, Glass fibre, Leather hide, Nonwoven fabric, Nylon fabric, Paper, Polyester fabric
2790002	e028	 Aramid fibre, Carbon fibre, Fabric, Felt, Glass fibre, Leather hide, Nonwoven fabric, Nylon fabric, Paper, Polyester fabric
2790003	e032	 Aramid fibre, Carbon fibre, Fabric, Felt, Glass fibre, Leather hide, Nonwoven fabric, Nylon fabric, Paper, Polyester fabric



Passepartout/Mat-cutting knives

Art. No.	Type		Application
2730116	e30		Passepartout materials
2731117	e31		Passepartout materials
2733118	e33		Passepartout materials
2734119	e34		Passepartout materials
2735121	e35		Passepartout materials

We manufacture special knives, adjusted to your individual requirements. Put your challenge in our hands!

Re-sharpening service

The cutting edge can only be re-sharpened if the edge is not damaged or worn down too heavily. Furthermore, the knives you will return to us should be clean and packed in a suitable box.



Art. No.	Type
----------	------

701601-0 **e1**
re-sharpened



702602-0 **e2**
re-sharpened



703603-0 **e3**
re-sharpened



704604-0 **e4**
re-sharpened



705605-0 **e5**
re-sharpened



Art. No. Type

501603-0 **eW1
re-sharpened**



502604-0 **eW2
re-sharpened**



505605-0 **eW5
re-sharpened**



506606-0 **eW6
re-sharpened**



507607-0 **eW7
re-sharpened**



508608-0 **eW8
re-sharpened**



Art. No. Type

509609-0 **eW9
re-sharpened**



703601-0 **S36T
re-sharpened**



703602-0 **S36T2
re-sharpened**



704501-0 **S45T
re-sharpened**



706001-0 **S60T
re-sharpened**



710101-0 **e10
re-sharpened**



Art. No. Type

711104-0 **e11**
re-sharpened



712112-0 **e12**
re-sharpened



713113-0 **e13**
re-sharpened



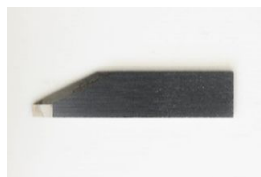
716102-0 **e16**
re-sharpened



717103-0 **e17**
re-sharpened



725109-0 **e25**
re-sharpened



Art. No. Type

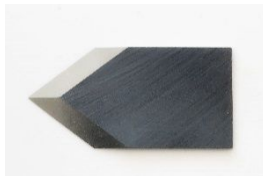
726109-0 **e26
re-sharpened**



733118-0 **e33
re-sharpened**



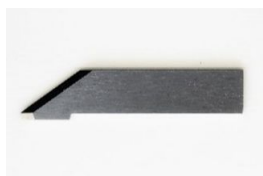
735121-0 **e35
re-sharpened**



741114-0 **e41
re-sharpened**



742115-0 **e42
re-sharpened**



744120-0 **e44
re-sharpened**

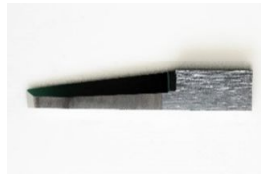


Art. No. Type

746101-0 **e46
re-sharpened**



761001-0 **e61
re-sharpened**



762101-0 **e62
re-sharpened**



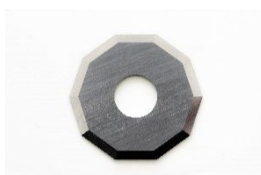
770001-0 **e70
re-sharpened**



771001-0 **e71
re-sharpened**



790001-0 **e025
re-sharpened**

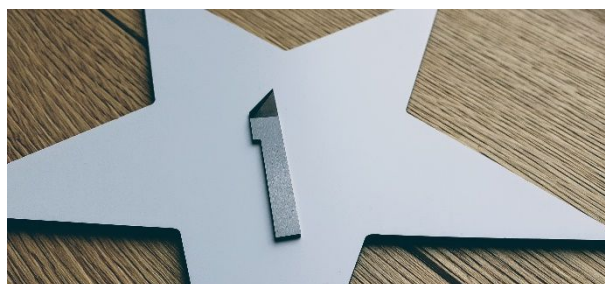
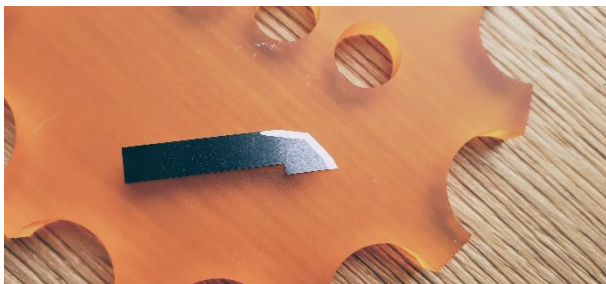


Art. No. Type

790002-0 **e028**
re-sharpened



790003-0 **e032**
re-sharpened



Clearcut Router (Single flute)



Description

Solid carbide single flute, upward spiral, 15° helix. Manufactured from Ultra Wear Resistant Micrograin Carbide, to extremely tight tolerances with a highly polished flute.

Application

Designed to give an exceptional finish on Perspex and acrylic materials. In some cases eliminating the need for flame polishing components after cutting. For best results on acrylics use on a well-maintained machine, cut anti-clockwise and use ITC Minimal-Amount-Lubricant. This range of tool also offers exceptional surface finish on Foamex and similar materials.

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-0787-10-F	2	6	40	7
180-1181-10-C	3	3	40	8
180-1181-10-D	3	3	40	12
180-1181-10-E	3	3	40	6
180-1181-10-F	3	6	50	10
180-1575-10-C	4	4	40	11
180-1575-10-D	4	4	50	15
180-1575-10-E	4	4	50	6
180-1575-10-F	4	6	50	10
180-1969-10-C	5	5	50	12
180-1969-10-D	5	5	58	21
180-1969-10-F	5	6	50	12
180-2362-10-C	6	6	58	21
180-2362-10-D	6	6	75	26
180-2362-10-E	6	6	58	14
180-3150-10-C	8	8	75	26
180-3150-10-E	8	8	64	14

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-3937-10-C	10	10	75	26
180-4724-10-C	12	12	84	26

Clearcut (2 Flute)

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-2362-27-E	6	6	58	14

balanced for use on high frequency spindles (+ 30'000rpm)

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-0787-10-F-BAL	2	6	40	7
180-1181-10-F-BAL	3	6	50	10
180-1575-10-D-BAL	4	4	50	15
180-1575-10-F-BAL	4	6	40	10
180-1969-10-F-BAL	5	6	50	12
180-2362-10-C-BAL	6	6	58	21
180-2362-10-D-BAL	6	6	75	26
180-2362-10-E-BAL	6	6	58	14

180-10-STA Series (Single Flute)



Description

Solid carbide single flute, upward spiral, 30° helix. Manufactured from Ultra Wear Resistant Micrograin Carbide to extremely tight tolerances, with exceptional surface finish. Short overall length combined with useful longer cut length, offer a very robust cutter for most applications.

Application

Designed for use on both aluminium, acrylics and other soft non-ferrous materials. The single flute design gives excellent swarf clearance.

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-0787-10-STA	2	3	30	7
180-1181-10-STA	3	3	30	8
180-1575-10-STA	4	4	40	10
180-2362-10-STA	6	6	50	14

with VITREO-Coating for longer durability

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-0787-10J-STA	2	3	30	7
180-1181-10J-STA	3	3	30	8
180-1575-10J-STA	4	4	40	10
180-2362-10J-STA	6	6	50	14

balanced for use on high frequency spindles (+ 30'000rpm)

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-1575-10-STA-BAL	4	4	40	10
180-2362-10-STA-BAL	6	6	50	14

balanced for use on high frequency spindles (+ 30'000rpm) and with VITREO-Coating for longer durability

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-1575-10J-STA-BAL	4	4	40	10
180-2362-10J-STA-BAL	6	6	50	14



1001 Series (Single Flute)



Description

Solid carbide single flute, upward spiral, 30° helix on reinforced 6mm shank, manufactured from Ultra Wear Resistant Micrograin Carbide. Vitreo-coated for extra life.

Application

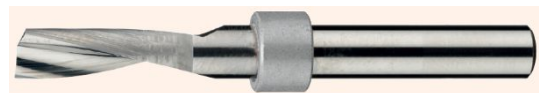
Modified tool rake geometry especially suitable for aluminium and aluminium composite materials (ACM). Offers exceptional surface finish at high spindle RPMs.

balanced for use on high frequency spindles (+ 30'000rpm) and with VITREO-Coating for longer durability

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
1001-2J	2	6	50	7
1001-3J	3	6	50	7
1001-4J	4	6	50	7
1001-6J	6	6	50	11

Stop ring

Stop rings fitted for use in automatic tool changers are available for all our 6mm shank tools. Please ask us for details!



180-10-A Series (Single Flute)



Description

Solid carbide single flute, upward spiral, 30° helix on reinforced 6mm shank, ideal for reducing number of collet changes, manufactured from Ultra Wear Resistant Micrograin Carbide.

Application

Offers exceptional surface finish on aluminium, acrylic and PVC.

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-0787-10-A	2	6	40	7
180-0984-10-A	2.5	6	40	8
180-1181-10-A-XL	3	6	50	10
180-1378-10-A	3.5	6	40	10
180-1575-10-A	4	6	40	10
180-1969-10-A	5	6	50	12
180-2165-10-A	5.5	6	50	14

with VITREO-Coating for longer durability

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-0787-10J-A	2	6	40	7
180-1181-10J-A-XL	3	6	50	10
180-1575-10J-A	4	6	40	10

balanced for use on high frequency spindles (+ 30'000rpm)

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
180-0787-10-A-BAL	2	6	40	7
180-0984-10-A-BAL	2.5	6	40	8
180-1181-10-A-XL-BAL	3	6	50	10
180-1575-10-A-BAL	4	6	40	10
180-1575-10-A-XL-BAL	4	6	65	22
180-1969-10-A-BAL	5	6	50	12



D-Serie Gravierstichel



Description

The D-Series is solid carbide and available in three different angles; 30°, 60° and 90° inclusive. Other sizes are available on request.

Application

Designed to give superior performance when engraving a variety of materials from plastics to steels. This range is for bottom loading engraving and routing machines.

One Dimensional

Art. No.	Angle	Size	Overall Length	Split Length
ENG-3.0-30	30°	3	38	5
ENG-6.0-30	30°	6	57	8
ENG-3.0-60	60°	3	38	5
ENG-6.0-60	60°	6	57	8
ENG3.0-90	90°	3	38	5
ENG-6.0-90	90°	6	57	8

with Flats

Art. No.	Angle	Flat	Size	Overall Length	Split Length
ENG-6.0-60-0.25	60°	0.25	6	56	8
ENG-6.0-60-0.50	60°	0.50	6	56	8
ENG-6.0-60-0.75	60°	0.75	6	56	8
ENG-6.0-60-1.0	60°	1.0	6	56	8
ENG-6.0-60-1.25	60°	1.25	6	56	8
ENG-6.0-60-1.5	60°	1.5	6	56	8
ENG-6.0-60-2.0	60°	2.0	6	56	8

balanced for use on high frequency spindles (+ 30'000rpm)

Art. No.	Angle	Size	Overall Length	Split Length
ENG-6.0-30-BAL	30°	6	57	8
ENG-6.0-60-BAL	60°	6	57	8
ENG-6.0-90-BAL	90°	6	57	8



Di-Bond Folding tool



Description

Solid carbide 2 flute, 1/2" head diameter, with a 90° or 135° inclusive angle and a 3mm flat.

Application

The Di-Bond folding tools enable precise folding of Di-Bond and similar aluminium composite materials typically up to 5mm thick. The following are the most commonly requested types. We can also manufacture to your own specification - for example - alternative angles, varying flats, shanks etc. to suit your router.

Art. No.	Angle	Shank Ø	Flat	Size	Overall Length
2021-90-6	90°	6	3	1/2"	2 1/2"
2021-135-6	135°	6	3	1/2"	2 1/2"



balanced for use on high frequency spindles (+ 30'000rpm)

Art. No.	Angle	Shank Ø	Flat	Size	Overall Length
2021-90-6-BAL	90°	6	3	1/2"	2 1/2"
2021-135-6-BAL	135°	6	3	1/2"	2 1/2"



2091 Series (2 Flute)



Upcut / Downcut Router

Description

Solid carbide router, 30° helix, manufactured from Ultra Wear Resistant Micrograin Carbide. Bottom part of the flute is Right Hand Spiral / Right Hand Cut, top part of flute Left Hand Spiral / Right Hand Cut.

Application

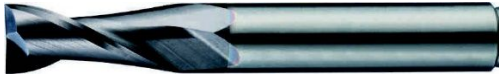
Specifically designed for the efficient machining of MDF, wood laminates and other similarly abrasive materials. The reverse helix flute design has the effect of pulling the top and bottom of the work piece in towards the centre, eliminating de-lamination.

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
2091-2362-20	6	6	75	22
2091-2362-20-C	6	6	55	22
2091-3150-20*	8	8	80	26
2091-3937-30A* +	10	10	80	22
2091-4724-20	12	12	100	55

* TiN-Coating for longer durability

+ Router has 3 Flute

2011 Series wit AITiN-Coating (2 Flute)



Description

2 flute solid carbide, upward spiral, 30° helix. Manufactured from Ultra Wear Resistant Micrograin Carbide, AITiN coated.

Application

Designed for applications requiring extra tool life, particularly suitable for cutting engraving laminates and fire retardant MDF.

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
2011-1.0C	1	3	38	3
2011-1.5C	1.5	3	38	5
2011-2.0C	2	3	38	7
2011-2.5C	2.5	3	38	7
2011-3.0C	3	3	38	9
2011-3.5C	3.5	4	51	12
2011-4.0C	4	4	51	14
2011-4.5C	4.5	5	51	14
2011-5.0C	5	5	51	16
2011-6.0C	6	6	64	19
2011-6.0C-L	6	6	64	26
2011-7.0C	7	8	64	19
2011-8.0C	8	8	64	21
2011-10.0C	10	10	70	22
2011-12.0C	12	12	76	25
2011-16.0C	16	16	89	32
2011-20.0C	20	20	102	38

2041 Series (2 Flute)



Description

2 flute, solid carbide, single end, standard length, square end, straight shank, upward spiral, 55° helix, right hand cut, centre cutting, manufactured from Ultra Wear Resistant Micrograin Carbide.

Application

Designed to give extremely high performance in the machining of soft non-ferrous materials. The radical flute geometry gives exceptional swarf clearance, whilst the circular land and end teeth "Wipers" combine to give unparalleled surface finish, reducing machining marks especially in pocketing applications.

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
2041-3	3	3	38	12
2041-4	4	4	50	15
2041-5	5	5	50	20
2041-6	6	6	64	20
2041-8	8	8	64	22
2041-10	10	10	70	27



3061 Series with TiAlN-Coating (3 Flute)



Description

3 Flute Solid Carbide, upward spiral with corner chamfer for extra strength, 30° helix. Manufactured from Ultra Micrograin Carbide, TiAlN coated to give extra wear resistance.

Application

Designed for use on stainless & other steels commonly used in the sign making industry. The special substrate, combined with the hard and lubricious surface coating, gives unbeatable performance.

Art. No.	Size	Shank Ø	Overall Length	Length of Cut
3061-3C	3	6	58	3
3061-4C	4	6	58	4
3061-5C	5	6	58	5
3061-6C	6	6	58	6

easy to trade GmbH
Espenstrasse 135
CH-9443 Widnau

T: +41 71 770 04 18