

# ALUMINIUM / NON-FERROUS METAL



**TCT**

## SURFACE MILLING TWO FLUTE

- For aluminium and plastics.
- Tungsten Carbide Tipped.
- Can be used on aluminium windows.

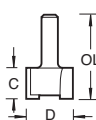
▲ A coolant should be used when routing aluminium.



12,000 - 24,000



Ref. 47/2



D mm	C mm	OL mm	Product Ref.	Shank Diameter 1/4"	Shank Diameter 8mm
18.0	12.0	45.0	47/2	£39.38	-
20.0	13.0	45.0	47/20	£36.94	£40.09

**STC**

## GUIDED TWO FLUTE SPIRAL

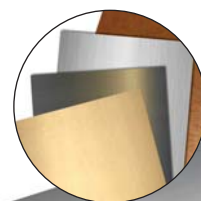
- Solid Carbide bearing guided router cutters for trimming aluminium sheet with a template.
- Specially designed carbide with two flutes for clean finish.
- Maximum trim of 3mm thick aluminium.
- Twin bearings for stability by increasing bearing surface.
- Down-cut (left-hand) spiral prevents material lift.

▲ Use a lubricant to reduce tool breakage.

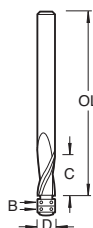


Ref. S64/30 Up-cut

Ref. S64/30LH Down-cut



12,000 - 18,000



D mm	C mm	B mm	OL mm	Product Ref.	Shank Dia 1/4"
6.35	12.7	6.3	72.0	S64/30	£58.16
6.35	12.7	6.3	72.0	S64/30LH	£58.16

**STC**

## TWO FLUTE HELICAL FOR NON-FERROUS METAL

- Two flute helical cutters suitable for non-ferrous metals with long shank, fine finish and up-cut.
- STC offers longer life.

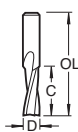
▲ A coolant should be used.



12,000 - 24,000



Ref. S55/10



D mm	C mm	OL mm	Product Ref.	Shank Diameter 1/4"	Shank Diameter 3/8"
6.3	20.0	63.0	S55/10	£42.02	-
8.0	20.0	63.0	S55/08	-	£54.13
9.5	25.0	63.0	S55/11	-	£56.67

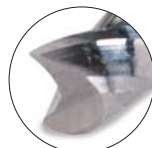
**STC**

## 'O' FLUTE SPIRAL

**MIRROR FINISH**

- Special high grade Solid Carbide with very high tolerance grinding for smooth clean cut in aluminium, brass, copper and other non-ferrous metals.
- Single 'O' flute design for fast cutting. Increased feed rates allowing for more linear metres in less time.
- Super high polished cutting edge with unique mirror finish, resulting in clean cuts, less chance for chip re-welding, effortless chip removal, a superior finish and a longer tool life.
- For use in routers and CNC routers.
- Up-cut spiral can be used to plunge cut. Down-cut not recommended for plunge cutting unless ramped into workpiece.
- Can be used on Alupanel® and Dibond®.

▲ Use a lubricant or coolant to prolong tool life.



'O' flute for fast cutting.



Ref. S55/22 Up-cut



Ref. S55/22LH Down-cut



12,000 - 18,000



D mm	C mm	OL mm	Product Ref.	Shank Diameter 1/4"
6.35	15.9	51.0	S55/22	£39.27
6.35	15.9	51.0	S55/22LH	£39.27

# PLASTICS & ENGRAVING TOOLING



## ACRYLIC CUTTER

- Single flute for fast cutting.
- Two flute for fine finish.
- Cutters with prefix **ACR** are specially ground for cutting acrylic. Other two flute cutters can be polished for acrylic. Please refer to Trend Technical Department.
- Cutters with prefix **S** are Solid Carbide and are long lasting for a super fine finish.
- Cutters Ref. **ACR2/80** & **ACR3/81** can be used on phenolic resin.



### ONE FLUTE

Grade	D mm	C mm	OL mm	Product Ref.	Shank Dia. 1/4"	Shank Dia. 1/2"
STC	6.3	10.0	51.0	<b>ACRS2/6</b>	£33.76	-
STC	6.3	19.0	51.0	<b>ACRS2/60</b>	£35.00	-
TCT	12.7	32.0	76.0	<b>ACR2/80</b>	-	£38.16

### TWO FLUTE

STC	6.3	20.0	63.0	<b>ACRS3/22</b>	£36.33	-
TCT	12.7	32.0	76.0	<b>ACR3/81</b>	-	£38.16

### BEARING GUIDED

TCT	6.3	12.7	51.0	<b>46/05</b>	£22.27	-
TCT	6.3	25.4	65.0	<b>46/07</b>	£24.10	-



### TWO FLUTE SPIRAL UP-CUT

Grade	D mm	C mm	OL mm	Product Ref.	Shank Dia. 1/4"
STC	3.0	12.0	58.0	<b>S60/03</b>	£36.33
STC	4.0	14.0	59.0	<b>S60/04</b>	£36.33
STC	5.0	19.0	58.0	<b>S60/05</b>	£36.33
STC	6.0	19.0	59.0	<b>S60/06</b>	£36.33
STC	6.3	19.0	57.5	<b>S60/1</b>	£39.49

### TWO FLUTE SPIRAL DOWN-CUT

STC	6.3	19.0	57.5	<b>S60/1LH</b>	£41.41
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## TRENDICOTE

Dry lubricant PTFE spray to enhance cutter life and prevent weld back of material to the tool.

See page 226 for full details.

Product Ref. **TRENDICOTE**



Refs.

**ACRS2/6, ACRS2/60 & ACR2/80**

Single flute for fast cutting.

Refs. **ACRS3/22 & ACR3/81**

Two flute straight gives fine finish.

Refs. **46/05 & 07**

Two flute mini-trim with guide bearing will profile intricate shapes. Max. 2.0mm trimming.

Ref. **S60/03 - 06 & S60/1**

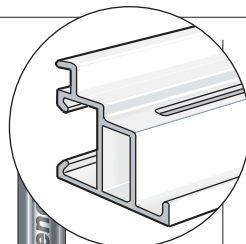
Up-cut helical gives long lasting super fine finish.

Ref. **S60/1LH**

Down-cut helical gives long lasting super fine finish. Prevents vibration.

## STC ABS/PVC STRAIGHT

- Used to slot and trim low melting point plastics such as ABS, Styrene and PVC.
- For maximum life these cutters are Solid Carbide.
- Ref. **ABSS2/61** is single flute for fast cutting.
- Ref. **ABSS3/22** is two flute for fine finish.



Ref. **ABSS2/61**  
Single flute for fast cutting.

Ref. **ABSS3/22**  
Two flute gives fine finish.

### ONE FLUTE

D mm	C mm	OL mm	Product Ref.	Shank Dia. 1/4"
6.3	25.0	65.0	<b>ABSS2/61</b>	£20.34

### TWO FLUTE

6.3	25.0	65.0	<b>ABSS3/22</b>	£23.60
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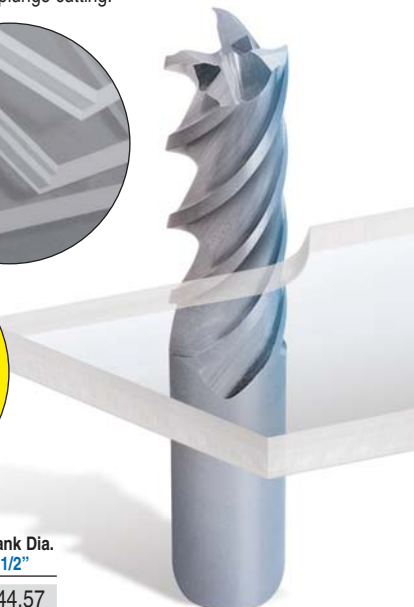
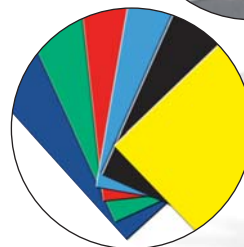
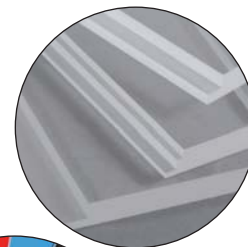
## HSS

### FOUR FLUTE SPIRAL ACRYLIC CUTTER

- High Speed Steel ideal for acrylic plastic.
- Four flute up-cut spiral.
- Ideal for trimming, rebating and surfacing.
- Can also be used for ramp plunge cutting.

**FOUR FLUTE**

18,000



D mm	C mm	OL mm	Product Ref.	Shank Dia. 1/2"
12.7	45.0	96.0	<b>56/3</b>	£44.57

## WINDOW INDUSTRY TOOLING

For drilling and slot cutting of aluminium, anodised duralium and uPVC.

See pages 80-81 for full details.





### STC SINGLE 'O' FLUTE SPIRAL

- Special high grade 'O' flute ground carbide for fast & smooth cuts in woods & plastics.
- Super high polished cutting edge with unique mirror finish, resulting in clean cuts, less chance of chip re-welding, effortless chip removal, a superior finish & a longer tool life.
- For use in routers & CNC routers.
- Up-cut spiral can be used to plunge cut. Down-cut not recommended for plunge cutting unless ramped into workpiece.
- Designed for plastic, wood, foam board, acrylic, nylon, PVC, PVC trim boards, polycarbonate, solid surface, HDPE, ABS, UHMW, HIPS, PET, Polystyrene, Polypropylene (PP), Acetal & mechanical /engineered plastics.

Ref.	D mm	C mm	OL mm	Product Ref.	Shank Dia.
Ref. S60/26 Up-cut	6.35	19.0	51.0	S60/26	1/4"
Ref. S60/26LH Down-cut	6.35	19.0	51.0	S60/26LH	1/4"

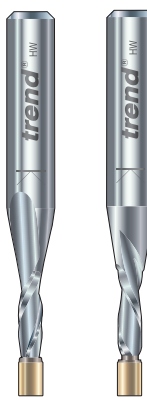
### STC MINI UP-CUT & DOWN-CUT SPIRAL

- 3mm diameter shank, two fluted spiral cutters for CNC routers.
- For specialised applications including sign making & PCB machining.
- Up-cut prevents burning in plunge cuts. Down-cut (LH) prevents feathered edges.
- Can also be used on wood and plastic.



Ref. S58/4 Up-cut  
Ref. S58/4LH Down-cut

D mm	C mm	OL mm	Product Ref.	Shank Dia.
1.5	5.0	38.0	S58/1	3mm
2.0	6.0	38.0	S58/2	3mm
2.5	7.0	38.0	S58/3	3mm
3.0	12.0	38.0	S58/4	3mm
3.0	25.0	65.0	S58/5	3mm
1.5	5.0	38.0	S58/1LH	3mm
2.0	6.0	38.0	S58/2LH	3mm
2.5	7.0	38.0	S58/3LH	3mm
3.0	12.0	38.0	S58/4LH	3mm
3.0	25.0	65.0	S58/5LH	3mm

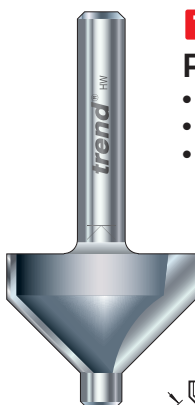


Ref. S64/01 Up-cut  
Ref. S64/01LH Down-cut

### STC PIN GUIDED TWO FLUTE SPIRAL

- Solid Carbide two flute solid brass pin guided spiral for trimming acrylic, wood and MDF.
- Small pin diameter for access into tight corners.
- Ideal for cleaning up edges for sign making.
- Up-cut and down-cut versions to suit application.
- Down-cut for better clamping when machining small workpieces and improved finish on the tops of the board.

D mm	C mm	OL mm	Product Ref.	Shank Dia.
3.2	9.5	50.8	S64/01	1/4"
3.2	9.5	50.8	S64/01LH	1/4"



Ref. 10H/1

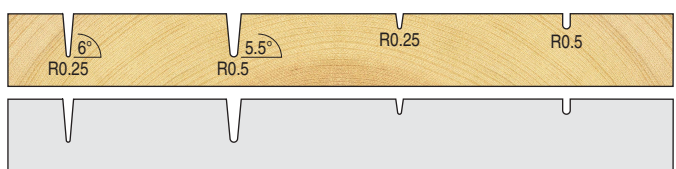
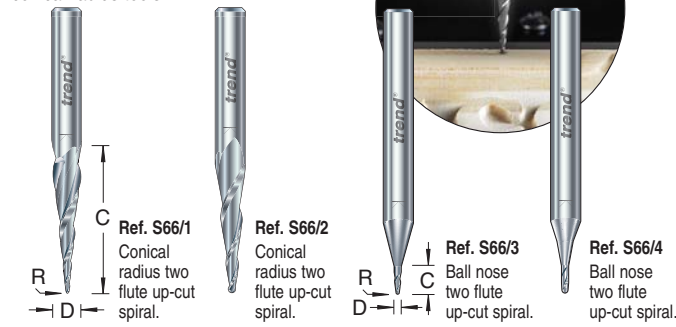
### TCT PIN GUIDED CHAMFER / BEVEL

- Ideal for fast chamfering.
- For chamfering/bevelling edges of plastic material.
- Small pin is used to self guide the tool and allows access into tight corners.

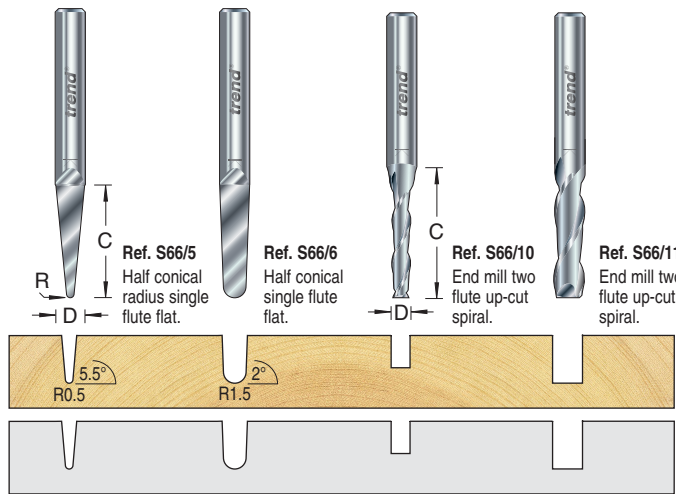
A Deg.	C mm	C2 mm	P mm	Product Ref.	Shank Dia.
45°	10.0	14.0	5.5	10H/1	1/4"
30°	6.3	12.0	5.5	10H/2	1/4"

### MINI ENGRAVER FOR CNC MINI

- Solid Carbide for long life with 4mm shank.
- Available to suit various material including wood, acrylic and ABS plastic.
- Range includes end mill, ball nose and conical radius tools.



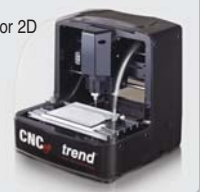
R mm	D mm	C mm	Product Ref.	Shank Dia.
0.25	3.0	15.0	S66/1	4mm
0.5	3.7	15.0	S66/2	4mm
0.25	1.0	2.0	S66/3	4mm
0.5	1.0	2.0	S66/4	4mm



R mm	D mm	C mm	Product Ref.	Shank Dia.
0.5	3.5	15.0	S66/5	4mm
1.5	3.97	15.0	S66/6	4mm
-	2.5	12.0	S66/10	4mm
-	3.96	15.0	S66/11	4mm

### CNC/MINI/1

The latest miniature engraving machine for 2D and 3D projects. See pages 140-141 for full details.



A Deg.	D mm	C mm	Product Ref.	Shank Dia.
75	6.3	9.0	CNCM/1	4mm
60	6.3	5.0	CNCM/2	4mm
45	6.3	3.0	CNCM/3	4mm

# RASPS, BURRS & COMPOSITE CUTTERS



## STC SOLID CARBIDE ROUTER RASPS

- Solid Carbide coarse and fine cut router rasps.
- For grinding, carving and shaping of glass reinforced plastics (GRP).
- Ref. S49/10 with twin bearing guides is ideal for following a template but is not suitable for plunge cutting.

D mm	C mm	Product Ref.	Shank Dia. 1/4"
6.3	20.0	S49/01	£29.91
6.3	20.0	S49/1	£27.36
12.7	19.0	S49/10	£62.37

**SPARE PARTS for REF. S49/10**

Bearing 12.7mmØ	B127	£7.15
Collar	COLL/14	£2.30

## STC BURRS & RASPS

SOLID TUNGSTEN CARBIDE

### For grinding and carving

- Range of various tooling for metal, glass reinforced plastic (GRP), plastic and wood.
- Solid Carbide head
- Carving and drilled hole enlarging.
- For removing welds and burrs in metal, also hand engraving and sculpting wood and metal.
- Mini burrs and rasps also ideal for modelling.
- Refs. S49/2 & S49/20 have no bottom cut.

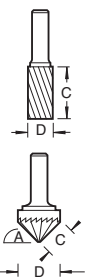
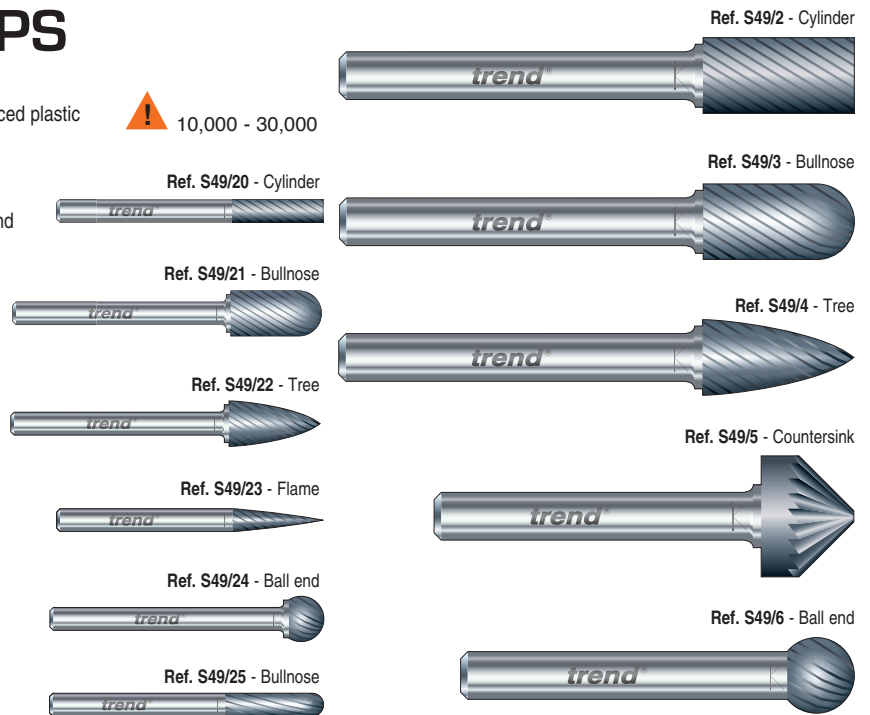
! 10,000 - 30,000



The burrs can be used for removing welds and burrs in joints in metal.



Mini burrs and rasps are ideal for intricate modelling.



### MINI BURRS / RASPS

D mm	C mm	Product Ref.	Shank Diameter 3mm
3.0	12.0	S49/20	£14.05
6.0	12.0	S49/21	£19.74
6.0	12.0	S49/22	£21.68
3.0	12.0	S49/23	£12.11
6.0	6.0	S49/24	£20.34
3.0	13.0	S49/25	£14.05

### STANDARD BURRS / RASPS

A Deg.	D mm	C mm	Product Ref.	Shank Diameter 6mm	Shank Diameter 1/4"
-	10.0	20.0	S49/2	£25.43	£25.43
-	10.0	20.0	S49/3	£26.76	£26.76
-	10.0	20.0	S49/4	£28.70	£28.70
45°	16.0	10.0	S49/5	£34.39	£34.39
-	10.0	10.0	S49/6	£24.83	£24.83
60°	13.0	11.0	S49/7	£35.00	£35.00
45°	10.0	5.0	S49/8	£26.16	£26.16