

WINDOW INDUSTRY CUTTERS



HSS
HIGH SPEED
STEEL

HSSE
SUPER HIGH
SPEED STEEL

SINGLE PIECE HIGH SPEED STEEL TOOLING FOR THE WINDOW INDUSTRY.

- Turned and milled from a single piece.
- Used to rout aluminium and extrusion.
- Super High Speed Steel.
- Cutters are designed to plunge and machine or mill lateral slots. Other tools are designed to drill, mill and countersink slots in both plastic and non-ferrous metal.
- All aluminium cutting tools should be used with a coolant, wax stick or lubricant.
- Material should be securely clamped.



ROUTER CUTTER GRADES

HSS

High Speed Steel

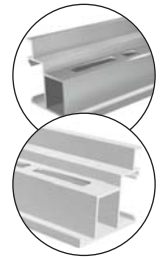
These are made from a single piece of High Speed Steel, ground with a very fine edge. They are only suitable for non-abrasive materials, but will give a superior finish.

HSSE

Super High Speed Steel

This is a specially developed grade of High Speed Steel, precision ground to the highest tolerances. HSSE grade cutters are used for specialised applications, typically in the window industry for machining aluminium and uPVC extrusions.

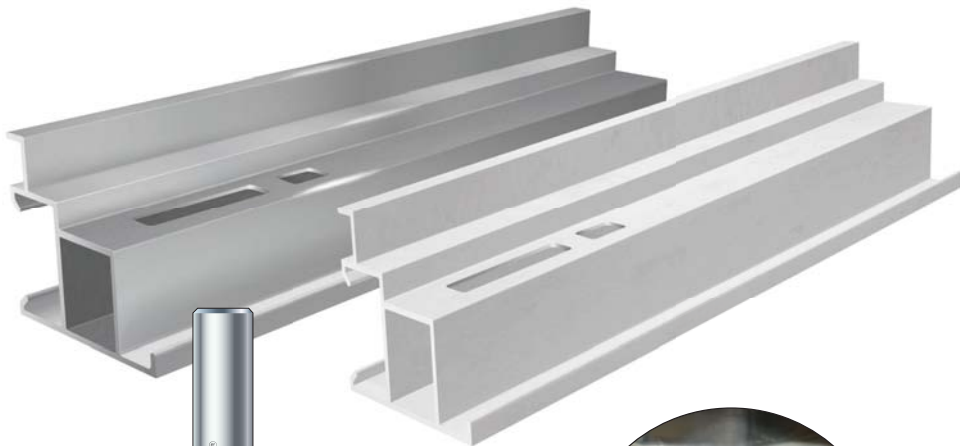
SUITABLE FOR:
Aluminium & uPVC Extrusion



PLUNGE SLOTTING / ROUTING UP-CUT HELICAL FOR ALUMINIUM AND UPVC

Single flute helical for drilling and slotting, cutting aluminium, anodised duralium and uPVC plastic. Ideal for recessing and slotting extrusions. HSSE is a special grade for machining the most abrasive anodised finishes.

Refs. 50/15 to 50/23 & 50/52 have narrow necks for deep entry into second web of extrusions.



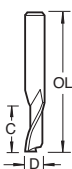
Ref.
50/08

10,000 - 12,000

HSSE

SINGLE FLUTE UP-CUT HELICAL

D mm	C mm	OL mm	Product Ref.	Shank Diameter		
				1/4"	8mm	10mm
3.0	12.0	60.0	50/03	£21.68	£19.13	-
4.0	12.0	60.0	50/04	£24.22	£19.74	-
5.0	12.0	60.0	50/05	£21.68	£17.81	-
5.0	14.0	120.0	50/50	-	£28.70	-
5.0	18.0	60.0	50/25	-	£20.34	-
5.0	35.0	80.0	50/26	-	£41.41	-
5.0	40.0	100.0	50/27	-	£45.18	-
6.0	14.0	60.0	50/06	£24.22	£19.74	-
7.0	14.0	60.0	50/07	-	£21.68	-
8.0	14.0	80.0	50/08	£21.68	£17.81	-
8.0	14.0	120.0	50/51	-	£29.25	-
9.0	14.0	80.0	50/09	-	£24.22	-
10.0	14.0	80.0	50/10	£29.31	£24.22	-
10.0	14.0	120.0	50/14	-	-	£36.70
12.0	14.0	80.0	50/12	-	£31.50	-
12.0	14.0	70.0	50/13	-	-	£33.76



Ref.
50/19

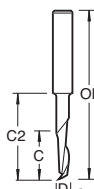
Plunge slotting
on a CNC
machine.

10,000 - 12,000

HSSE

SINGLE FLUTE UP-CUT HELICAL WITH NARROW NECK

D mm	C mm	C2 mm	OL mm	Product Ref.	Shank Diameter		
					1/4"	8mm	10mm
4.0	16.0	45.0	90.0	50/15	-	£30.51	-
5.0	16.0	35.0	80.0	50/19	£29.31	£27.36	-
5.0	16.0	45.0	90.0	50/17	-	£30.51	-
6.0	14.0	34.0	80.0	50/52	-	£27.36	-
8.0	14.0	54.0	80.0	50/18	-	£28.70	-
8.0	14.0	68.0	100.0	50/20	-	£50.35	-
10.0	14.0	65.0	85.0	50/21	-	-	£42.02
10.0	14.0	75.0	96.0	50/22	-	-	£45.76
10.0	14.0	95.0	120.0	50/23	-	-	£50.15

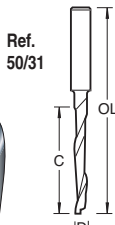




HSSE

WATER SLOT SINGLE FLUTE UP-CUT HELICAL FOR ALUMINIUM & UPVC

These tools have a single flute helical with normal necks, but long shanks for water slot. For drilling and slotting aluminium and uPVC.



Ref. 50/31

10,000 - 12,000

D mm	C mm	OL mm	Product Ref.	Shank Diameter 8mm
4.0	40.0	100.0	50/30	£38.88
5.0	40.0	100.0	50/27	£45.18
6.0	40.0	100.0	50/31	£37.54

HSSE

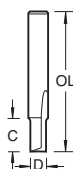
STRAIGHT TWO FLUTE FOR ALUMINIUM & PLASTIC

For grooving and profiling of aluminium and soft plastics.



Ref. 55/1

10,000 - 12,000



D mm	C mm	OL mm	Product Ref.	Shank Diameter 1/4"	Shank Diameter 8mm	3/8"
6.3	12.7	65.0	55/1	£17.81	£17.81	-
9.5	12.7	65.0	55/2	-	£17.81	£17.81
12.7	12.7	65.0	55/3	-	£19.74	£20.34

HSSE

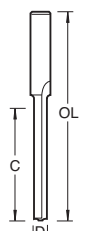
WATER SLOT STRAIGHT SINGLE FLUTE FOR UPVC PLASTIC

These single flute straight cutters are used for drilling and slotting uPVC plastic. The long shanks are ideal for water slot routing.



Refs. 50/34 - 50/40

10,000 - 12,000

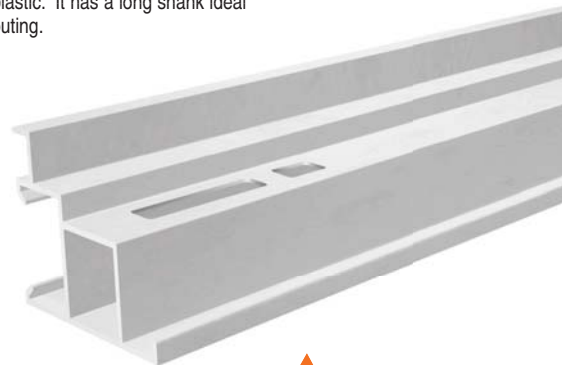


D mm	C mm	OL mm	Product Ref.	Shank Dia. 8mm
4.0	25.0	100.0	50/34	£39.49
5.0	35.0	80.0	50/35	£42.02
5.0	30.0	100.0	50/36	£42.02
5.0	45.0	100.0	50/37	£42.02
6.0	48.0	90.0	50/39	£42.02
6.0	30.0	100.0	50/40	£39.49

HSSE

WATER SLOT TWO FLUTE UP-CUT HELICAL FOR UPVC PLASTIC

This two flute helical tool is used for drilling and slotting uPVC plastic. It has a long shank ideal for water slot routing.



Ref. 50/32

10,000 - 12,000



D mm	C mm	OL mm	Product Ref.	Shank Diameter 8mm
5.0	40.0	100.0	50/32	£39.49

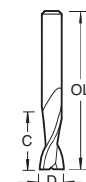
HSSE

TWO FLUTE UP-CUT HELICAL FOR NON-FERROUS METAL

Two flute helical cutters suitable for non-ferrous metals with long shank, fine finish and up-cut. Solid Carbide version available Refs. S55/10, S55/08 and S55/11, see page 75.



10,000 - 12,000

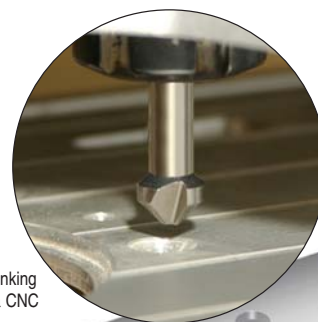


D mm	C mm	OL mm	Product Ref.	Shank Diameter 1/4"	Shank Diameter 8mm
5.0	40.0	100.0	50/33	-	£40.09
8.0	19.0	80.0	55/08	£36.33	£34.39

HSS

THREE FLUTE 90° COUNTERSINK FOR ALLOY

This countersink can be used at high speeds for countersinking alloy.



Countersinking holes in a CNC machine.



1,000 - 10,000



D mm	OL mm	Product Ref.	Shank Diameter 1/4"	Shank Diameter 8mm
12.7	60.0	49/50	£38.16	£36.94

Use at recommended speeds as indicated.

All prices are exclusive of VAT