

Soft Plastics

- Double Edge
- Solid Carbide
- Upcut Spiral O Flute


For Use On:

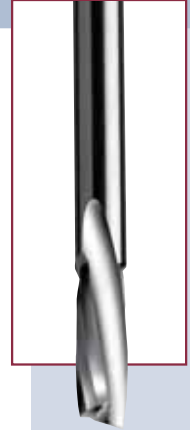
Soft Plastic: ABS, Polycarbonate, Polyethylene, PVC, Polypropylene, HDPE, Polystyrene, UHMW, Foam, and Extruded Acrylic
Foam

High helix geometry designed to cut soft plastic with a smooth finish and upward chip flow. Special point geometry for improved bottom finish.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
Inch				
H25XAM-46313	1/4	3/4	1/4	2-1/2
H25XOS-52-701	3/8	1-1/2	3/8	4
H25XOS-52-702	1/2	1-1/4	1/2	
H25XOS-52-704		1-3/4		
H25XOS-52-706		2-1/8		
Metric		mm		
H25XOS-52-742	12	35	12	100
H25XOS-52-744		45		
H25XOS-52-746		55		

Helix Angle $\approx 22^\circ$

- Double Edge
- Solid Carbide
- Downcut Spiral O Flute


For Use On:

Soft Plastic: ABS, Polycarbonate, Polyethylene, PVC, Polypropylene, HDPE, Polystyrene, UHMW, and Extruded Acrylic
Solid Surface

Designed to cut plastic with a smooth finish and downward chip flow.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
Inch				
H25XOS-57-623	1/4	3/8	1/4	2-1/2
H25XAM-46413		3/4		
H25XOS-57-637	3/8	1	3/8	3
H25XOS-57-651	1/2	1-1/8	1/2	3-1/2
Metric		mm		
H25XOS-57-627	6	25	6	64
H25XOS-57-639	8		8	76
H25XOS-57-643	10		10	
H25XOS-57-645	12		35	12

Helix Angle $\approx 10-11^\circ$

Soft Plastics

- Double Edge
- Solid Carbide
- Straight O Flute


For Use On:

Soft Plastic: Acrylic, Melamine, Nylon, Polycarbonate, ABS, PE, Acetal, PET, HDPE and UHMW

Designed with free cutting O flute geometry along with a double flute design for smooth finish.

- Double Edge
- Solid Carbide
- Straight O Flute


For Use On:

Soft Plastic: ABS, Polycarbonate, Polyethylene, PVC, Polypropylene, HDPE, Polystyrene, UHMW, and Extruded Acrylic

Designed with free cutting O flute geometry along with a double flute for improved part finish. The straight flute design helps to reduce part lifting in thin sheet applications.

METRIC

Catalog Number	Cutting Edge Dia. mm	Cutting Edge Length mm	Shank Dia. mm	Overall Length mm
H25XOS-56-430	4	16	6	64
H25XOS-56-431	5	20		
H25XOS-56-432	6	25		
H25XOS-56-434	8		8	76
H25XOS-56-436	10	35	10	88
H25XOS-56-438	12		12	

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-56-610	1/8	5/16	1/4	2
H25XAM-43600		1/2		
H25XAM-43604	3/16	5/8		2-1/2
H25XOS-56-624		3/8		
H25XAM-43608	1/4	1		4
H25XOS-56-628		1-1/4		
H25XAM-43612	3/8	1	3/8	2-1/2
H25XAM-43616			1/2	2-1/8
H25XOS-56-655				

Soft Plastics

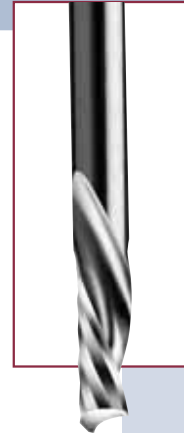
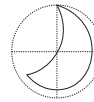
- Single Edge
- Solid Carbide
- Downcut Spiral O Flute

For Use On:

Soft Plastic: ABS, Polycarbonate, Polyethylene, PVC, Polypropylene, HDPE, Polystyrene, UHMW, and Extruded Acrylic

Solid Surface

Designed to provide a smooth finish in soft plastic with downward chip removal.



METRIC

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XAM-51510	1/8	1/2	1/8	2
H25XOS-62-762			1/4	
H25XAM-51512	3/16	5/8	3/16	
H25XAM-51504			3/4	
H25XOS-62-777	1/4	1-1/2	1/4	3
H25XOS-62-783			3/8	
H25XOS-62-790	1/2	1-5/8	1/2	

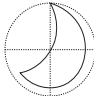
Helix Angle $\approx 21^\circ$

Catalog Number	Cutting Edge Dia. mm	Cutting Edge Length mm	Shank Dia. mm	Overall Length mm	
H25XOS-62-852	2	8	2	50	
H25XOS-62-854			6	64	
H25XOS-62-856	2.5	8	2.5	50	
H25XOS-62-858			6	64	
H25XOS-62-860	3	8	3	50	
H25XOS-62-862			6		
H25XOS-62-864	3	12	3	64	
H25XOS-62-866			6		
H25XOS-62-868	4	8	4		
H25XOS-62-870			12		
H25XOS-62-872	4	20	6		
H25XOS-62-874			30		
H25XOS-62-876	5	16	4		
H25XOS-62-878			5		
H25XOS-62-880	5	30	6		
H25XOS-62-882			5		
H25XOS-62-884	6	8	6		76
H25XOS-62-886			12		
H25XOS-62-888	6	20	6		
H25XOS-62-890			30		
H25XOS-62-892	8	38	8		
H25XOS-62-894			25		
H25XOS-62-896	8	38	8	64	
H25XOS-62-898			30		
H25XOS-62-899	10	35	10	76	
H25XOS-62-897			12		

Helix Angle $\approx 21^\circ$

Soft Plastics

- Single Edge
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- Straight O Flute


For Use On:

Soft Plastic: ABS, Polycarbonate, Polyethylene, PVC, Polypropylene, HDPE, Polystyrene, UHMW, and Extruded Acrylic

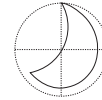
Designed to combine the fast free cutting of O flute geometry with the tool life available from solid carbide particularly in small diameters.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XAM-43500	1/8	1/2	1/4	2
H25XOS-61-045			1/8	3
H25XOS-61-043	3/16	5/8	1/4	4
H25XOS-61-064			3/16	2-1/2
H25XAM-43504				2
H25XOS-61-081	1/4	3/8	1/4	2-1/2
H25XAM-43508		3/4		
H25XOS-61-084*		1-1/4		
H25XOS-61-121	3/8	5/8	3/8	2-1/2
H25XAM-43156				
H25XAM-43520	1/2	1	1/2	3

Helix Angle $\approx 22^\circ$

*This tool is designed and toleranced for air routers with guide bushings.

- Single Edge
- Solid Carbide
- Downcut Spiral O Flute


For Use On:

Soft Plastic: ABS, Polycarbonate, Polyethylene, PVC, Polypropylene, HDPE, Polystyrene, UHMW, and Extruded Acrylic

Solid Surface

The polished flute allows for razor sharp cutting edge and easy chip evacuation. The down cut spiral helps improve part holding.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-64-000	1/16	1/4	1/8	2
H25XOS-64-012	1/8	1/2	1/4	
H25XOS-64-016	3/16	3/8	3/16	
H25XOS-64-018		5/8		
H25XOS-64-024	1/4	3/8	1/4	
H25XOS-64-025		3/4		
H25XOS-64-026		1-1/4		
H25XOS-64-031	3/8	3/4	3/8	3
H25XOS-64-033		1-1/8		

Helix Angle $\approx 21^\circ$