

## Solid Wood & Wood Composites

- Single Edge
- Carbide-Tipped
- Straight Plunge



### For Use On:

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut  
**Composite Wood:** MDF, Particle Board and Plywood

Designed for general usage where longer tool life over high speed steel are essential. Single edge tools for slower feed rates.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XAM-45100	1/8	7/16	1/4	2
H25XAM-45102	3/16			
H25XAM-45104	1/4	1/2		2-1/4
H25XAM-45108	3/8	1	3/8	2-1/2
H25XAM-45300				2-7/8
H25XAM-45308	1/2	1-1/4	1/2	2-7/8
H25XAM-45313		2-1/2		4-3/8

- Double Edge
- Carbide-Tipped
- Straight Plunge



### For Use On:

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut  
**Composite Wood:** MDF, Particle Board and Plywood

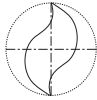
Designed for general usage where longer tool life over high speed steel are essential. Double edges tools for faster feed rates and smoother finish.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length	
H25XAM-45190	1/16	3/16	1/4	1-5/8	
H25XAM-45200	1/8	7/16		2	
H25XAM-45239	3/16	5/8		2-3/16	
H25XAM-45204	1/4	1/2		2	
H25XAM-45211		1		2-7/8	
H25XAM-45216	3/8	3/4		2	
H25XAM-45402		1		2-1/2	
H25XAM-45404		1-1/4		3-3/8	
H25XAM-45419	1/2	3/4		1/2	2-1/4
H25XAM-45427		2-1/2			4-1/2

Production Down Shear - 3°

## Solid Wood & Wood Composites

- Double Edge
- Solid Carbide
- Upcut Spiral Wood Rout


**For Use On:**

**Softwood:** Cedar, Cottonwood, Pine and Redwood

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut

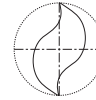
**Composite Wood:** MDF, Particle Board and Plywood

Designed for routing where upward chip removal, tool rigidity, long life and high quality finish is desired.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
<b>Inch</b>				
H25XOS-52-244	1/8	1/2	1/8	2
H24XAM-46100			1/4	
H25XOS-52-260	3/16	3/4	3/16	
H25XOS-52-264			1/4	
H25XAM-46102	1/4	1-1/8	1/4	2-1/2
H25XAM-46316			3/8	2-1/2
H25XAM-46103	3/8	1	3/8	2-1/2
H25XAM-46104			1-1/4	3
H25XAM-46106	1/2	1-1/8	1/2	3
H25XOS-52-360			3/8	2-1/2
H25XAM-46107			1-5/8	3-1/2
<b>Metric</b>				
		<b>mm</b>		
H25XOS-52-410	4	16	6	64
H25XOS-52-411	5	20		
H25XOS-52-412	6	25	8	
H25XOS-52-414	8		10	
H25XOS-52-416	10	35	12	76
H25XOS-52-418	12		14	88
H25XOS-52-420	14	50	14	88
H25XOS-52-422	16	55	16	100
H25XOS-52-424	18	60	18	120
H25XOS-52-426	20		20	

Helix Angle  $\approx 30^\circ$

- Double Edge
- Solid Carbide
- Downcut Spiral Wood Rout


**For Use On:**

**Softwood:** Cedar, Cottonwood, Pine and Redwood

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut

**Composite Wood:** MDF, Particle Board and Plywood

Designed for routing where downward chip removal, tool rigidity, long life and high quality finish is desired.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
<b>Inch</b>				
H25XAM-46200	1/8	1/2	1/4	2
H25XAM-46202	1/4	3/4		2-1/2
H25XAM-46416		1-1/8	1	3/8
H25XAM-46203	3/8	1-1/4	3/8	2-1/2
H25XAM-46204			1/2	3
H25XAM-46206	1/2	1-1/4	1/2	3-1/2
H25XAM-46207			3/8	
<b>Metric</b>				
		<b>mm</b>		
H25XOS-57-410	4	16	6	64
H25XOS-57-411	5	20		
H25XOS-57-412	6	25	8	
H25XOS-57-414	8		10	
H25XOS-57-416	10	35	12	76
H25XOS-57-418	12		14	88
H25XOS-57-420	14	50	14	88
H25XOS-57-422	16	55	16	100
H25XOS-57-424	18	60	18	120
H25XOS-57-426	20		20	

Helix Angle  $\approx 30^\circ$

## Solid Wood & Wood Composites

- Double Edge
- Solid Carbide
- Straight Wood Rout



### For Use On:

**Softwood:** Cedar, Cottonwood, Pine and Redwood

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut

**Composite Wood:** MDF, Particle Board and Plywood

Provides a superior finish in a variety of wood materials with a neutral cutting action.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-56-240	1/8	1/2	1/4	2
H25XAM-43808	3/16			
H25XAM-43812	1/4	1	1/4	2-1/2
H25XAM-43824				
H25XAM-43836	5/16	1-1/8	5/16	3
H25XOS-56-320	3/8		3/8	
H25XAM-43848	1/2		1/2	

- Three Edge
- Solid Carbide
- Low Helix Finisher



### For Use On:

**Softwood:** Cedar, Cottonwood, Pine and Redwood

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut

Designed for perfect balance and ultrasmooth finish over a wide speed range.

### UPCUT

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-60-239	1/4	3/8	1/4	3
H25XOS-60-241		7/8		
H25XOS-60-243	3/8	5/8	3/8	
H25XOS-60-245	1/2	1-1/8	1/2	3-1/2
H25XOS-60-249		1-5/8		4
H25XOS-60-253		2-1/8		4-1/2
H25XOS-60-251				

Helix Angle  $\approx 10^\circ$

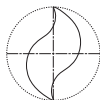
### DOWNCUT

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-60-240	1/4	3/8	1/4	3
H25XOS-60-242		7/8		
H25XOS-60-244	3/8	5/8	3/8	
H25XOS-60-246	1/2	1-1/8	1/2	4
H25XOS-60-250		1-5/8		4-1/2
H25XOS-60-252		2-1/8		

Helix Angle  $\approx 10^\circ$

## Solid Wood & Wood Composites

- Double Edge
- Solid Carbide
- Chipbreaker Finisher


**For Use On:**

**Softwood:** Cedar, Cottonwood, Pine and Redwood

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut

**Composite Wood:** MDF, Particle Board and Plywood

For faster feed rates than a conventional two flute with a smooth finish.

**UPCUT**

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
<b>Inch</b>				
H25XOS-60-307	3/8	1-1/8	3/8	3
H25XOS-60-311	1/2		1/2	
<b>Metric</b>				
mm				
H25XOS-60-411	8	25	8	64
H25XOS-60-413	10	35	10	76
H25XOS-60-415	12		12	
H25XOS-60-417	16	55	16	100
H25XOS-60-419	18	65	18	120

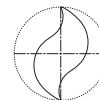
Helix Angle  $\approx 30^\circ$

**DOWNCUT**

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
<b>Inch</b>				
H25XOS-60-308	3/8	1-1/8	3/8	3
H25XOS-60-312	1/2		1/2	
<b>Metric</b>				
mm				
H25XOS-60-412	8	25	8	64
H25XOS-60-414	10	35	10	76
H25XOS-60-416	12		12	
H25XOS-60-418	16	55	16	100
H25XOS-60-420	18	65	18	120

Helix Angle  $\approx 30^\circ$

- Double Edge
- Solid Carbide
- Rougher


**For Use On:**

**Softwood:** Cedar, Cottonwood, Pine and Redwood

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut

**Composite Wood:** MDF, Particle Board and Plywood

Designed for use when faster feed rates cannot be achieved, or on low horsepower machines.

**UPCUT**

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-60-815	3/8	1-3/8	3/8	3-1/2
H25XOS-60-825	1/2	1-3/8	1/2	3-1/2

Helix Angle  $\approx 20^\circ$

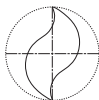
**DOWNCUT**

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-60-816	3/8	1-3/8	3/8	3-1/2
H25XOS-60-826	1/2	1-3/8	1/2	3-1/2

Helix Angle  $\approx 20^\circ$

## *Solid Wood & Wood Composites*

### ■ Rougher Compression



#### For Use On:

**Softwood:** Cedar, Cottonwood, Pine and Redwood

#### **Laminated and Veneered Material**

**Hardwood:** Ash, Beech, Birch, Cherry, Mahogany, Maple, Oak, Poplar, Teak and Walnut

**Composite Wood:** MDF, Particle Board and Plywood

Compression Rougher design allows for increased feedrates over a standard compression and provides a clean edge on the top and bottom surfaces. This tool excels in single- or stack-sheet plywood where the edge is hidden or covered.

Catalog Number	Cutting Edge Dia.	Cutting Edge Length	Shank Dia.	Overall Length
H25XOS-60-855*	3/8	1-1/4	3/8	3-1/2
H25XOS-60-865*	1/2		1/2	4

Helix Angle  $\approx 30^\circ$

\*Mortise Compression