

## Davis Series AFS Series Staggered Tooth Cutters

- Davis Series AFS Staggered Tooth Cutters cut more efficiently, and do not load with chips when cutting keyways over 5" long which are 1/2" in size or Larger. In many cases, they eliminate the need for taking pilot cuts, and allow Keywaying harder materials such as stainless steel.
- Although primarily designed for use in the Model 15 Davis Keyseater, they are also recommended and may be used in all Models of Davis Keyseaters. Be sure to specify if you need a modified cutter to distinguish from Standard AFS Cutters, as this will affect pricing and delivery.
- **Note:** Some AF and AFS Cutters must be altered to fit Model 5 Davis Keyseaters (**up to Serial No. 5-1363**) at an additional cost.

### Davis Series AFS Cutters (English)

Part No.	Width	Height	Pitch	Length
D-3700	3/8	1	1/2	20
D-3701	7/16	1	1/2	20
D-3702	1/2	1	1/2	20
D-3800	1/2	1-1/2	3/4	24
D-3801	1/2	1-1/2	3/4	30
D-3802	9/16	1	1/2	20
D-3803	5/8	1	1/2	20
D-3810	5/8	1-1/2	3/4	24
D-3811	5/8	1-1/2	3/4	30
D-3812	3/4	1	1/2	20
D-3820	3/4	1-3/4	1	24
D-3821	3/4	1-3/4	1	30
D-3822	7/8	1	1/2	20
D-3830	7/8	1-3/4	1	24
D-3831	7/8	1-3/4	1	30
D-3832	1	1	1/2	20
D-3840	1	1-3/4	1	24
D-3841	1	1-3/4	1	30
D-3842	1-1/8	1-1/8	3/4	20
D-3850	1-1/8	2	1	24
D-3851	1-1/8	2	1	30
D-3852	1-1/4	1-1/4	3/4	20
D-3860	1-1/4	2	1	24
D-3861	1-1/4	2	1	30
D-3862	1-1/2	1-1/2	3/4	20
D-3870	1-1/2	2	1	24
D-3871	1-1/2	2	1	30

### Davis Series AFS Cutters (Metric)

Part No.	Width	Height	Pitch	Length
D-4800	10mm	1	1/2	20
D-4801	12mm	1	1/2	20
D-4900	12mm	1-1/2	3/4	24
D-4901	12mm	1-1/2	3/4	30
D-4902	14mm	1	1/2	20
D-4910	14mm	1-1/2	3/4	24
D-4911	14mm	1-1/2	3/4	30
D-4912	16mm	1	1/2	20
D-4920	16mm	1-1/2	3/4	24
D-4921	16mm	1-1/2	3/4	30
D-4922	18mm	1	1/2	20
D-4930	18mm	1-3/4	1	24
D-4931	18mm	1-3/4	1	30
D-4932	20mm	1	1/2	20
D-4940	20mm	1-3/4	1	24
D-4941	20mm	1-3/4	1	30
D-4942	22mm	1	1/2	20
D-4950	22mm	1-3/4	1	24
D-4951	22mm	1-3/4	1	30
D-4952	25mm	1	3/4	20
D-4960	25mm	1-3/4	1	24
D-4961	25mm	1-3/4	1	30
D-4962	28mm	1-1/8	3/4	20
D-4970	28mm	2	1	24
D-4971	28mm	2	1	30
D-4972	32mm	1-1/4	3/4	20
D-4980	32mm	2	1	24
D-4981	32mm	2	1	30
D-4982	36mm	1-1/2	3/4	20
D-4990	36mm	2	1	24
D-4991	36mm	2	1	30

- All Standard Cutters are ground **.0005" to .0015"** larger than the Nominal Keyway Size listed, and are furnished with a 10 degree Rake Angle and a 3-1/2 degree Relief Angle.
- To ensure correct delivery, please specify dimensions correctly. Example: **D-3700 3/8" Wide X 1" High X 20" Long X 1/2" Pitch AFS Cutter**
- All AF Cutters furnished with **10 Degree rake** and **3-1/2 Degree relief** angle, **except between 1/16" and 3/16"** sizes, which are furnished with **10 Degree rake** and **6 Degree relief** angle.
- Custom Cutters: For sizes not listed above for custom applications, for example: 90 degree angle cutters, Zero Degree Rake, Corner Radius Cutters, as well as Coating Recommendations, please consult the factory.

Hansford Parts and Products

1330 Research Forest • Macedon, NY 14502

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# Standard Cutter Alterations and Modifications

## Coatings

A variety of hard coatings are available for all sizes of Davis Keyway Cutters. We have provided the following coatings for our customers on a regular basis: TiN, AlTiN, TiAlN, AlCrN. Coating services are processed locally. Please specify your desired coating and cutter size or part number, or ask factory for further details for a quote.

*1-2 Week Delivery (if item is stock)*

## Grinding Corner Radii

All Styles (Over 1/4" Width only): GP, AF, & AFS

*1-2 Week Delivery (if item is stock)*

### Size

16" Long

20" Long

24" Long

30" Long

## Resharpener

Hansford Parts and Products offers competitively priced resharpener and reconditioning services of many different brands and styles of keyway cutters.

*Note: Resharps are processed every **Wednesday** at Hansford Parts and Products facility in Macedon, NY. If urgent delivery is required, please consult with factory for expedited services.*

### Length

16" Long

20" Long

24" Long

30" Long

## Cutter Alteration Charges for Model 5 Davis Keyseater (up to Ser. No. 5-1363)

*7 Day Turnaround (if item is stock)*

### Cutters Involved By Part No.:

D-3800, 3801, 3810, 3811, 3820, 3821, 3830, 3831, 3840, 3841, 3850,

D-3851, 3852, 3860, 3861, 3862, 3870, 3871,

D-4232, 4235,

D-4338, 4341,

D-4900, 4901, 4910, 4911, 4920, 4921, 4930, 4931, 4940, 4941, 4950

D-4951, 4960, 4961, 4970, 4971, 4972, 4980, 4981, 4982, 4990, 4991

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