

## Martindale Lathe-Type Undercutter

The Lathe-Type Undercutter can be quickly attached in place of the tool post on any lathe. It can be mounted directly on the cross slide, or on the slide carriage which is then mounted on the cross slide.

The Slide Carriage is lever operated and is much faster than using the lathe carriage. Travel is 11" on the Model 110, 15-1/2" on the Model 110L15 and 21" on the Model 110L21, with adjustable stops at both ends. A skewed bar adjustment is provided at the right end.

Both horizontal and vertical commutators can be undercut. As undercutting is done from the side of the commutator the saw or V-cutter is set level with the lathe centers.

Undercutter is powered by a 1/3 h.p. motor and uses high-speed steel or tungsten-carbide Saws or V-cutters.

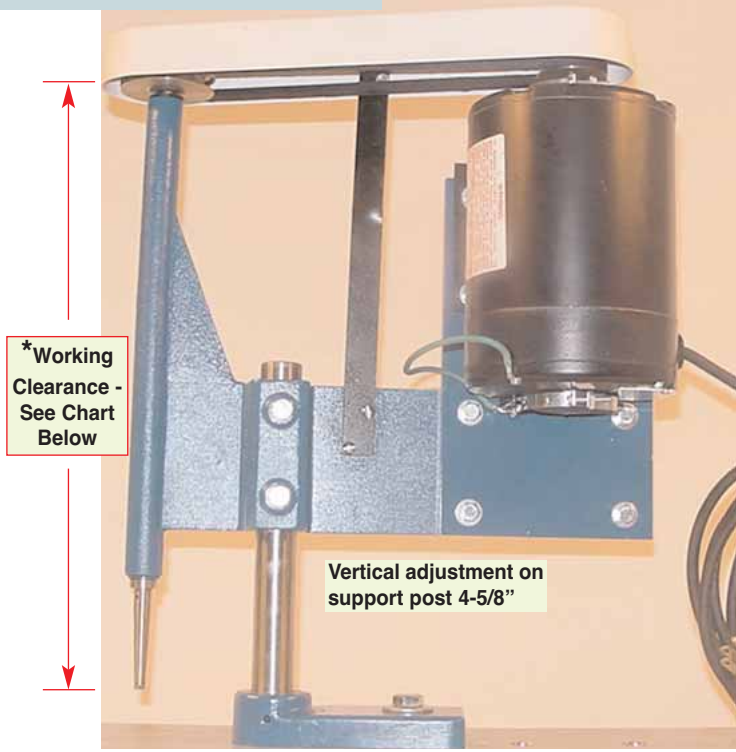
A spring between hardened washers under the pulley allows the spindle to move ("float") up or down and follow an existing slot that is being re-cut. If a fixed spindle is desired, the spring can be removed and the pulley turned over.

**TWO SPINDLES ARE FURNISHED:** one for 7/8" x 5/16" saws which turns at 2400 r.p.m., and one for 1/2" x 3/16" saws which turns at 5400 r.p.m. and cuts closer to the riser.

To change spindles remove both pulleys — slide out one spindle and slide in the other. Put the 1-3/4" pulley on the 3/16" spindle, or the 2-1/2" pulley on the 5/16" spindle. The other pulley goes on the motor.

Saws & V-Cutters			High-Speed Steel		Tungsten Carbide	
O.D.	I.D.	Type	Part No.	Catalog Number	Part No.	Catalog Number
1/2"	3/16"	Saw	16-HS	HSMS16	16-TC	TUNS16
1/2"	3/16"	V-Cutter	17-VHS	HSMSV17	17-VTC	TUNSV17
7/8"	5/16"	Saw	75-HS	HSMS75	75-TC	TUNS75
7/8"	5/16"	V-Cutter	75-VHS	HSMSV75	75-VTC	TUNSV75

For further specifications see pages 16 and 17.



\*Working Clearance - See Chart Below

Vertical adjustment on support post 4-5/8"

There are two versions of the Lathe-Type Undercutter available, depending on the amount of clearance needed to clear larger diameter risers.

\*Working Clearance, measured from the saw / cutter up to the lower edge of the belt guard is shown on the chart below.

Description Undercutters	Spindle Size	*Working Clearance	Catalog Number
Lathe-Type Undercutter only with Both Spindles, for attaching directly to lathe; (A)=115V., (B)=230V.; 60 Hz.	3/16"	10-1/2"	LTHU101(A) or (B)
	5/16"	8-1/2"	
Lathe-Type Undercutter only with Both <b>Extended</b> Spindles, for attaching directly to lathe; (A)=115V., (B)=230V.; 60 Hz.	3/16"	17-3/4"	LTHU105(A) or (B)
	5/16"	15-3/4"	

Model 101 Net Weight 28 lbs.,  
Shipping Weight 36 lbs.,  
Model 105 Net Weight 30 lbs.,  
Shipping Weight 39 lbs.

## Martindale Lathe-Type Undercutter Slide Carriage

- Speeds up production
- Faster and easier to operate than any lathe traverse controls

Description Slide Carriages	Slide Carriage Stroke Length	Slide O.A.L.	Catalog Number
Slide Carriage, 11" Max. Slide Travel	11"	21"	LTHU110
Slide Carriage, 15-1/2" Max. Slide Travel	15-1/2"	26"	LTHU110L15
Slide Carriage, 21" Max. Slide Travel	21"	31"	LTHU110L21



Lever-Operated Slide Carriage

Model 110 Net Weight 25 lbs.,  
Shipping Weight 26 lbs.,  
Model 110L15 Net Weight 30 lbs.,  
Shipping Weight 31 lbs.,  
Model 110L21 Net Weight 35 lbs.,  
Shipping Weight 37 lbs.