



# TRI TOOL INC.

## TRI TOOL INTERNATIONAL INC.

3806 Security Park Dr., Rancho Cordova, CA 95742-6990 U.S.A. 916-351-0144 800-345-5015 Fax 916-351-0372 ttcustserv@aol.com www.tritool.com

### TRI TOOL INC. TECHNICAL SPECIFICATION MODEL 550 TUBE CUTTER JANUARY, 2001

#### MODEL 550 TUBE CUTTER

The Model 550 Tube Cutter is a series of different size machines, each designed to sever one size of an in-line tube. Individual tube size machines are available in the range from .188" ( 4.77mm ) through 2.00" ( 50.8mm ) for use in areas where access to and around the tube is limited.

The Model 550 Tube Cutter may be purchased in any combination of sizes. A drive system is required for operation.

#### Kits Established:

- A. A10 Tube Cutting Kit
- B. B1 Tube Cutting Kit

#### Special Purpose Accessories:

- A. Flexible Drive Cables
- B. Manual Drive Systems (special order only)
- C. Electric Drive System (special order only)
- D. Carrying Case

#### Design and Operating Features

1. The machines compact size allows access into areas that have limited clearance problems.
2. The machines horseshoe type head design allows for easy installation and removal from the tube.
3. The machine is self-centering for quick and easy mounting.
4. Each tool is equipped with an autofeed mechanism for ease of operation.

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5. Chipless cutting wheel provides extremely long life.
6. A removable pin allows the cutting wheel to be changed when necessary.
7. A pneumatic drive system for use in hazardous areas is standard.
8. The drive system has a quick disconnect system for quick and easy changes from one size machine to another.

### Specifications

1. Reference Envelope Drawing No. 77-0556
2. Material and Cutting Capacities:

Materials include, but are not limited to, carbon steel, low alloy steel, chrome steel, chrome/molly alloys ( Rc 32 max. ), stainless steel, titanium, inconel, copper, aluminum and copper nickel alloys. Listed below are examples of some materials and wall thickness.

Note: Wall thickness will vary depending upon material.

<u>Model No.</u>	<u>Tube Size</u> ( Dia. )	<u>Alum.</u>	<u>Stainless</u> <u>Steel</u>	<u>Titanium</u>
550-03	.18" ( 4.8mm )	.065" ( 1.7mm )	.065" ( 1.7mm )	.065" ( 1.7mm )
550-04	.25" ( 6.4mm )	.065" ( 1.7mm )	.065" ( 1.7mm )	.065" ( 1.7mm )
550-05	.31" ( 7.9mm )	.065" ( 1.7mm )	.065" ( 1.7mm )	.065" ( 1.7mm )
550-06	.38" ( 9.5mm )	.065" ( 1.7mm )	.065" ( 1.7mm )	.065" ( 1.7mm )
550-08	.50" ( 12.7mm )	.095" ( 2.4mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-10	.63" ( 15.9mm )	.125" ( 3.2mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-12	.75" ( 19.1mm )	.095" ( 2.4mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-14	.88" ( 22.2mm )	.125" ( 3.2mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-16	1.00" ( 25.4mm )	.095" ( 2.4mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-18	1.13" ( 28.7mm )	.125" ( 3.2mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-20	1.25" ( 31.8mm )	.100" ( 2.5mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-24	1.50" ( 38.1mm )	.110" ( 2.8mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-28	1.75" ( 44.5mm )	.125" ( 3.2mm )	.100" ( 2.5mm )	.100" ( 2.5mm )
550-32	2.00" ( 50.8mm )	.125" ( 3.2mm )	.100" ( 2.5mm )	.100" ( 2.5mm )

3. Clearances:

See attached envelope drawing.

4. Weight:

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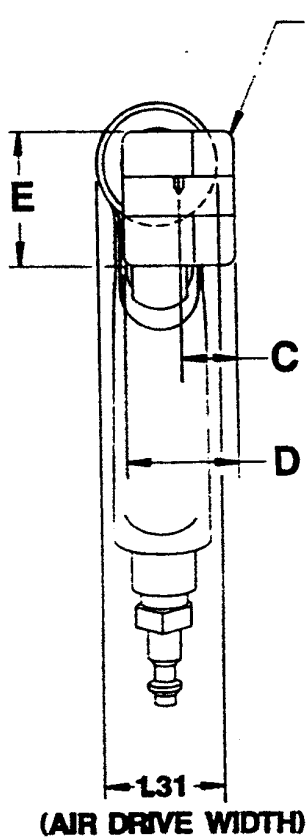
<u>Model No.</u>	<u>(lbs.)</u>
550-03	.8 lbs. ( .36kg )
550-04	.8 lbs. ( .36kg )
550-05	.8 lbs. ( .36kg )
550-06	.8 lbs. ( .36kg )
550-08	1.8 lbs. ( .81kg )
550-10	2.0 lbs. ( .91kg )
550-12	2.1 lbs. ( .95kg )
550-14	2.3 lbs. ( 1.0kg )
550-16	2.5 lbs. ( 1.1kg )
550-18	3.3 lbs. ( 1.5kg.)
550-20	3.7 lbs. ( 1.7kg )
550-24	5.1 lbs. ( 2.3kg )
550-28	6.1 lbs. ( 2.8kg )
550-32	7.1 lbs. ( 3.2kg )
Pneumatic Drive System	1.7 lbs. ( .77kg )

Spare parts and standard tool bits are available from stock. Engineering design services for custom tool bits and special function modifications are available from the factory.

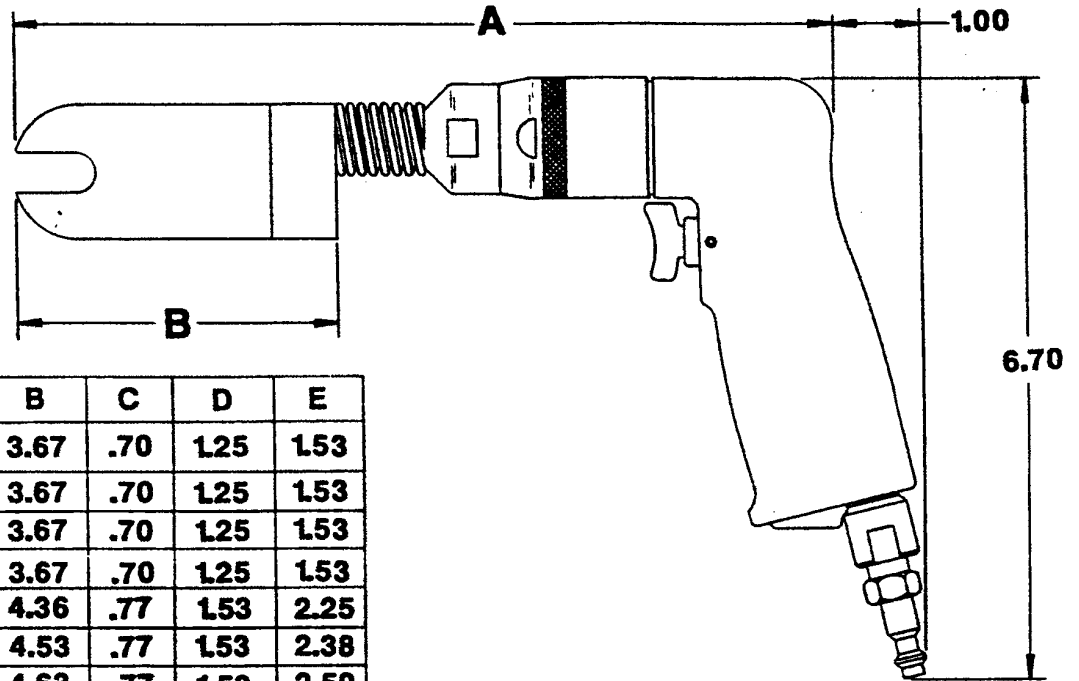
All TRI TOOL Inc. and allied equipment products are subject to design improvements and specification changes at any time with no obligation to units already sold.

Warranty (limited), parts and/or equipment are warranted against defects in material and workmanship for a period of one year from date of purchase. Full details supplied on request and/or with tools.

Filter, regulator, lubricator required to protect warranty on air powered tools.



HEAD CAN BE POSITIONED TO EVERY 120° WHEN NEEDED



MODEL#	A	B	C	D	E
550-03	9.32	3.67	.70	1.25	1.53
550-04	9.32	3.67	.70	1.25	1.53
550-05	9.32	3.67	.70	1.25	1.53
550-06	9.32	3.67	.70	1.25	1.53
550-08	10.01	4.36	.77	1.53	2.25
550-10	10.18	4.53	.77	1.53	2.38
550-12	10.28	4.63	.77	1.53	2.50
550-14	10.53	4.88	.77	1.53	2.63
550-16	10.67	5.02	.77	1.53	2.75
550-18	11.53	5.88	.77	1.53	3.13
550-20	11.78	6.13	.77	1.56	3.38
550-24	12.75	7.10	.77	1.56	4.00
550-28	13.35	7.70	.77	1.56	4.38
550-32	13.84	8.19	.77	1.56	4.75

**PATENT PENDING**

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		<p>550</p>		<p>APPROVED: [Signature] DATE: 11/30/80</p>	
<p>COPYRIGHT TRI TOOL INC.</p>		<p>APPLICATION: 550</p>		<p>SCALE: NONE</p>	
<p>3808 SECURITY PARK DRIVE, RANCHO CORDOVA, CA 95742</p>		<p>SCALE: NONE</p>		<p>TRIT TOOL INC.          2500 SCOTTSMITH ROAD, RANCHO CORDOVA, CA 95742  <b>MODEL 550</b>  <b>ENVELOPE DRAWING</b>          SIZE: C          FIG. NO.: 77-0556          SHEET 1 OF 1</p>	