

Model 301.5SP Tube Squaring Machine

The perfect solution for .125" to 1.5" hand-held or bench-top tube squaring.

CLEANROOM READY



Available in Cordless DC (shown)
or Corded AC Versions

The Model 301.5SP extends the tube squaring range up to 1.50" tubing. Equipped with a new toolless, quick change saddle system and transparent integral chip guards, the machine offers maximum performance and increased operator safety. An optional base stand is available for high volume precision benchtop squaring operation.

Features Tri Tool's patented Auto-Retract Feed.

TRI TOOL
BUILDING PERFORMANCE

Model 301.5SP Tube Squaring Machine

The 301.5SP (Short Perch) Tube Squaring Tool is designed specifically to prepare tube for autogenous welding. The 301.5SP will face .125" (3.2mm) to 1.500" (38.1mm) outside diameter tubing with a wall thickness up to .125" (3.2mm). The 301.5SP uses a toolless OD saddle clamping system for holding and rounding the tube. The 301.5SP accepts its own torque through the saddle clamping system. The standard saddle clamping system requires a straight length of tube .60" (15.2mm) long. The Short Perch saddle clamping system requires a straight length of tube .19" (4.8mm) long. Speed is controlled by a variable speed electric motor. Feed is cam actuated with an auto retract. The feed handle is at a right angle to the cutter head.

Features:

- The Model 301.5SP is lightweight and easy to handle
- Variable speed brushless cordless electric motors
- Variable speed corded electric motors
- Standard and short perch saddle clamps
- Toolless saddle change
- The cutting head accepts Squaring Tool Bits.
- The 301.5SP accepts its own torque through the saddle clamping system
- Replaceable, transparent chip guards
- Cam-actuated auto retract feed with .200" (5.0mm) travel
- Includes carrying case, operation manual, and a DURABIT tool bit

Specifications:

Basic pipe sizes:

1/8" All schedules	1/2" Schedules 5 through 40
1/4" All schedules	3/4" Schedules 5 through 40
3/8" All schedules	1" Schedules 5S & 10S

Basic tube sizes:

.125" (3.2mm) through 1.500" (38.1mm)
with wall thickness up to .125" (3.2mm)

Materials include but are not limited to:

Aluminum	Copper nickel alloys	Carbon steel	Stainless
Chrome steel (20% max)	Copper		

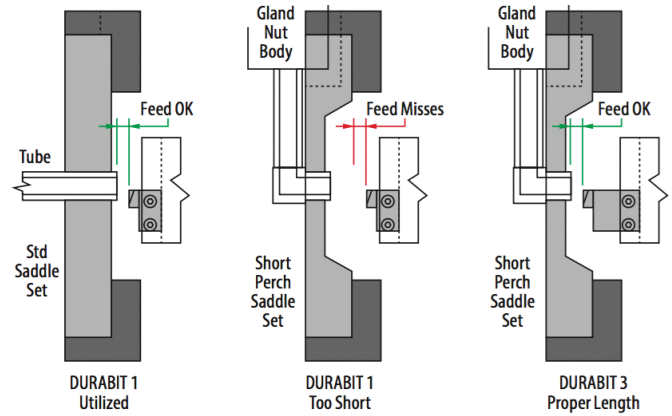
Drive Motor Options:

- 18VDC Cordless Motor Assembly (with 110VAC Charger)
- 18VDC Cordless Motor Assembly (with 220VAC Charger)
- 110VAC 50/60 Hz 9.6 Amp Corded Motor Assembly
- 220VAC 50/60 Hz 4.8 Amp Corded Motor Assembly
- 100VAC 50/60 Hz 6 Amp Corded Motor Assembly (For Japan Only)*

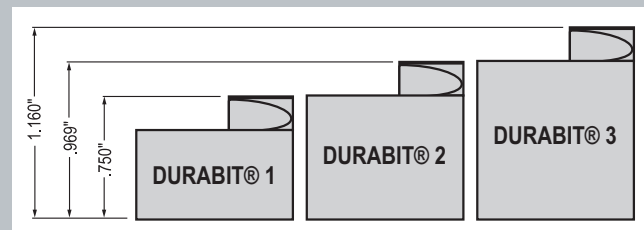
Weights:

Base machine	5.0 lbs. (2.3 Kg)
Cordless Motor	4.2 lbs. (1.9 Kg)
Corded Motor	6.4 lbs. (2.9 Kg)
*Corded Motor (For Japan Only)	4.4 lbs. (2.0 Kg)

Accessories: Optional Base Stand

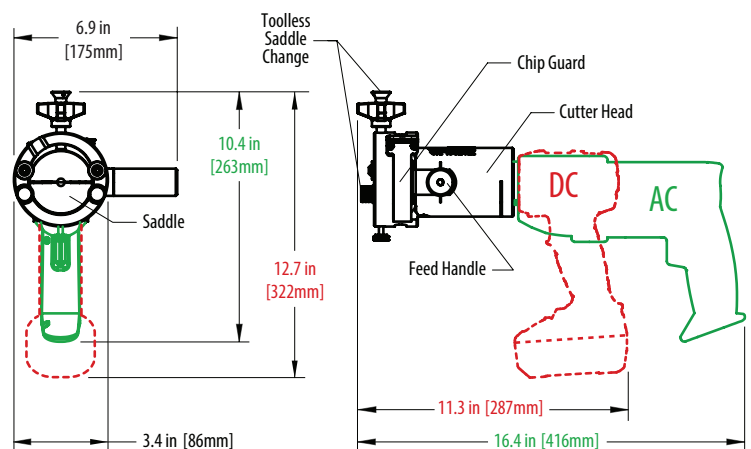


Squaring machines provide a short amount of precision bit travel. When using short perch saddles, a longer bit length is required to reach the microfitting stub.



Premium DURABITs are "free cutting" (the edge stays under the chip) and extremely long lasting. Tool bits, designed for use with Tri Tool's 300 Series squaring equipment are made in three different lengths so that their entire cutting range is possible when using different saddle sets such as Short Perch saddles. Tri Tool will assist you in determining exactly the best bits for your specific requirements.

Dimensions:



Note: Specifications subject to change without notice.

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