

S18 Tube Beveling Machine

Clamping jaws are available in several different configurations. Clamping jaws for expanded tubes are also available. Clamping is perfectly concentric.

Additional clamping jaws extend the capacity of the machine.

Several clamping options are available for particular applications. For example, the clamping can be done automatically.

2 tool bits can be mounted so that machining operations, such as facing, beveling and counterboring can be carried out simultaneously. Two tool bits used simultaneously ensure a perfect balance of forces during the machining operations.

Light, rugged, dependable, versatile

Interchangeable drives:
Electric 220 V, Electric 110 V,
Cordless 220 V, Cordless 110 V,
Pneumatic.

The PROTEM S18 SERIES will perform repeatable high quality weld preparations on all types of materials including mild, chrome, stainless steel, duplex, super duplex, copper-nickel alloy steel, inconel, P91, aluminium, copper exotic alloys..

Different configurations are possible to suit different types of applications.

ID Mounted

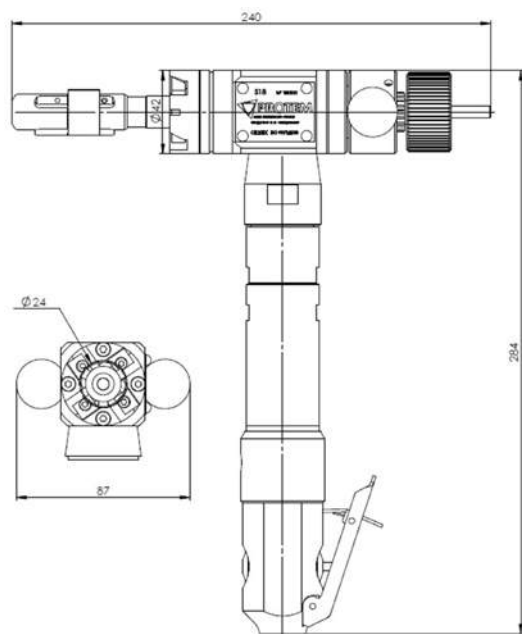
S18 Tube Beveling Machine

Standard Capacity: 18mm - 42mm (0.708"-1.653")

Extended Capacity: 14mm - 42mm (0.551" - 1.653")



S18 with pneumatic drive



Dimensions

The S18 is a powerful beveling and facing machine. The standard tool-holder plate will accept multiple tool bits, allowing several simultaneous machining operations.

Such operations may include beveling, facing, counterboring, compound beveling, od chamfering, removal of weld joints on heat exchanger tubes, cut to length of heat exchanger tubes. The S18 features a self-accepting torque system and an integral drive motor.

Beveling	Squaring	Counter-boring	Cut to length	Weld Joint Removal	Coating Removal	Saddles	Surfacing
✓	✓	✓	✓	✓	✗	✗	✗

Advantages:

- Portable
- Powerful Machining Equipment
- Easy and Safe use for the Operators
- No Heat Affected Zone
- High Accuracy
- Fast and easy mounting
- The tool bits can be changed and adjusted very quickly
- Adapted for works in tight spaces
- The machine can be used in all positions: vertical, horizontal, over head
- Versatile Cutting Head: the tool-holder plate can accept up to 2 tool bits for simultaneous machining operations (land, bevel, counterboring, j prep)
- Smooth and Burr-Free Surface Finish
- No vibration during the machining process



S18 with electric drive



S18 with cordless drive

S18 Tube Beveling Machine

Technical Features:

Specific shapes & angles	I, V, Other on Request
Clamping	Manual
Feed stroke	35 mm (1.378")
Cutting head gear drive	300 rpm off-load speed, 150 rpm nominal speed
Pneumatic drive	730 W, 6 bar (87 psi), 1400 l/min (49 cfm)
Electric drive	110 V (1500 W) or 220 V (1050 W)
Pneumatically driven machines have to be used with a lubricating filter. Recommended option: regulation valve.	

Order No.	Description
S18-1000	Tube Beveling Machine S18 with pneumatic drive for Ø 0.708"-1.653" (18mm-42mm)
S18-1020	Tube Beveling Machine S18 with electric drive 220V for Ø 0.708"-1.653" (18mm-42mm)
S18-1022	Tube Beveling Machine S18 with cordless drive 220V for Ø 0.708"-1.653" (18mm-42mm)
S18-1040	Tube Beveling Machine S18 with electric drive 110V for Ø 0.708"-1.653" (18mm-42mm)
S18-1042	Tube Beveling Machine S18 with cordless electric drive 110V for Ø 0.708"-1.653" (18mm-42mm)

Applications:



ID Mounted

Use On-Site or in Workshop:

