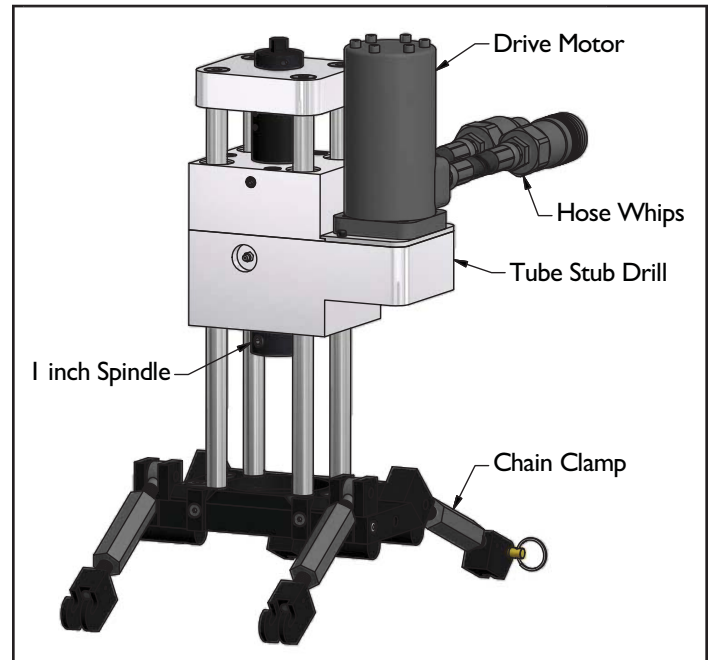


TUBE STUB DRILL

MACTECH PORTABLE MACHINING SOLUTIONS

Cost-effective, In-place Tube Stub Bore Repair

Mactech's Tube Stub Drill is the tool to use for in-place machining and repair of tube stub bores in drums and boilers. Reduce your downtime and repair your tube stub bores with Mactech's one-of-a-kind Tube Stub Drill. Easy set-up means your outage will be kept to a minimum and your bores will be fully reconditioned. The unique offset design fits between rows of header tubes, which allows only selected holes to be machined. The adaptable chain clamp can set the Tube Stub Drill at an angle to allow both radial and non-radial bore machining. The low rpm, high torque motor powers through the toughest materials. Petrochemical, power generation and paper mills will find this to be an invaluable tool to keep outages and downtime to a minimum. Call Mactech today and let us design a drilling solution for your challenging tube stub removals.



Mactech Tube Stub Drill



Boiler Tube Stub Drilling

Features

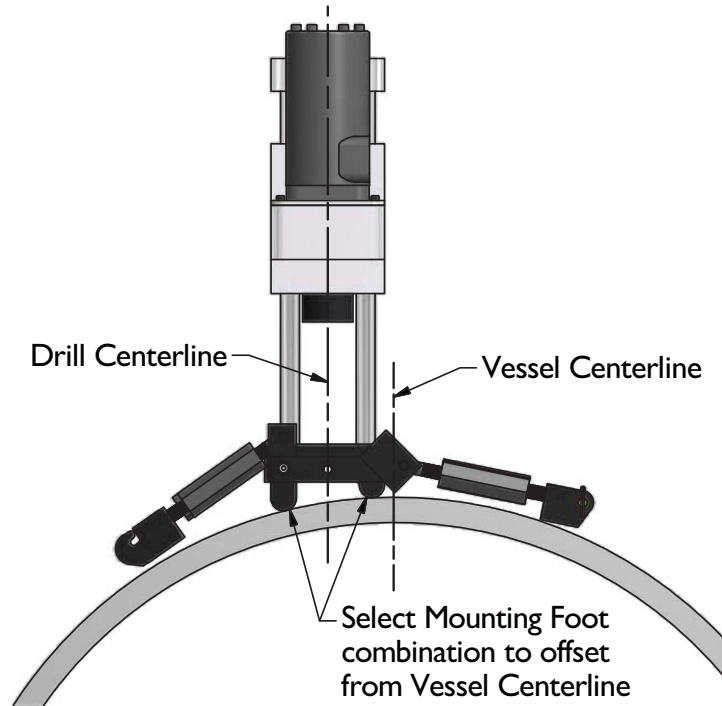
- **Compact, offset design allows quick setup and machining of radial and non-radial tube stub bores.**
- **Powerful high torque, low rpm motor, available in air or hydraulic power.**
- **6 inch stroke standard, can be shortened or lengthened for your application.**
- **Adaptable Chain Clamp included, configures for radial and non-radial bores.**
- **Custom cutting profiles designed for your application.**
- **Ideal for thin wall applications.**

MACTECH
ON-SITE MACHINING SOLUTIONS

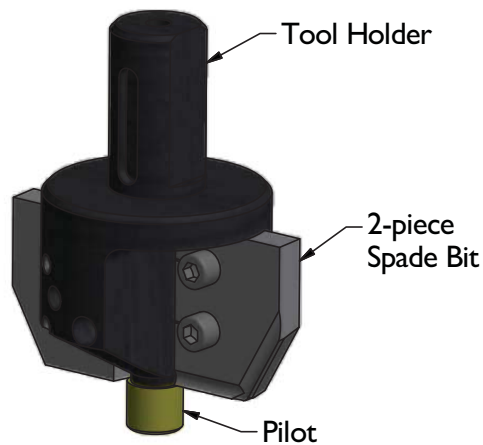
Mactech, Inc. • 4079 Pepin Ave. • Red Wing, MN 55066
PH: 651-388-7117 • TOLL FREE: 800-328-1488 • FAX: 651-388-0337 • www.mactechonsite.com

TUBE STUB DRILL

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Non-radial Positioning



Typical 2-piece Spade Bit

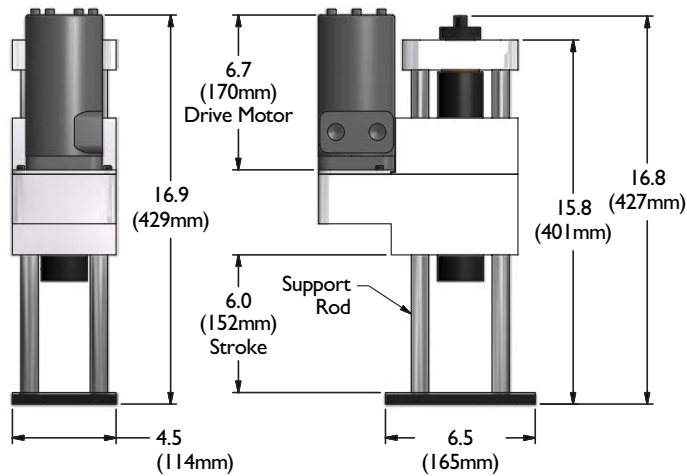
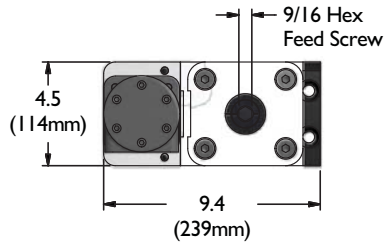
MACTECH
ON-SITE MACHINING SOLUTIONS

TUBE STUB DRILL

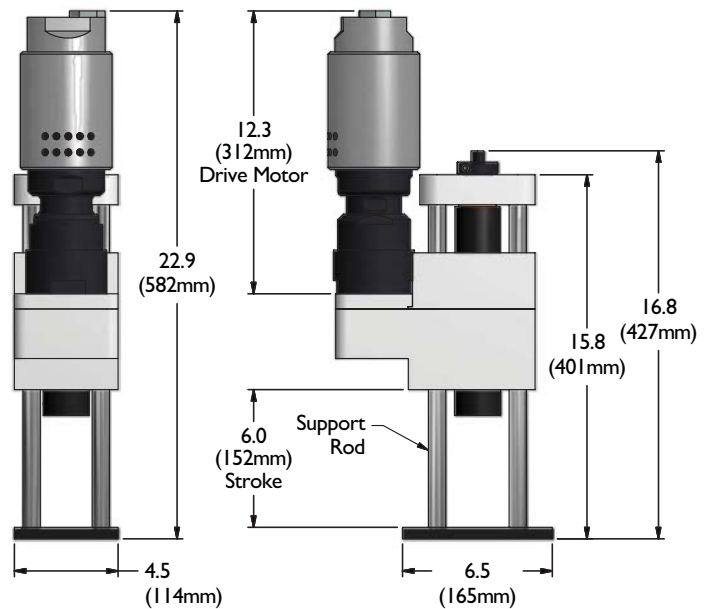
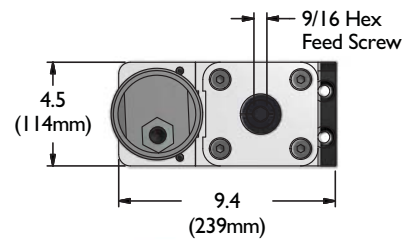
MACTECH PORTABLE MACHINING SOLUTIONS

Dimensions

NOTE: The support rods may be lengthened for longer stroke, or shortened for clearance. Mactech will design the drill to suit your specific application.



Tube Stub Drill with Hydraulic Motor



Tube Stub Drill with Air Motor



TUBE STUB DRILL

MACTECH PORTABLE MACHINING SOLUTIONS

Specifications

Weights:

Tube Stub Drill with Hydraulic Motor: 58 lbs (26 kg)

Tube Stub Drill with Air Motor: 60 lbs (27 kg)

Chain Clamp: 24 lbs (11 kg) *Does not include roller chain

Spindle: 1 inch keyed spindle

Tool Holders, Pilots and Bits: A wide range of tool holders, pilots and bits are available to suit your application. Mactech can design cutting profiles to fit your requirements.

Drive Motors:

Hydraulic Motor Performance Specifications			
Displacement	Torque@2-6 gpm	Torque@6-10 gpm	Torque@10-15 gpm
	RPM	RPM	RPM
22.6 in ³	239-240 ft-lbs	240-232 ft-lbs	232-219 ft-lbs
	16-58 rpm	58-99 rpm	99-150 rpm

**Performance is based on hydraulic power supply of 1000 psi continuous pressure*

Air Motor Performance Specifications			
Max Output	Torque at Max Output	Speed at Max Output	Air Consumption at Max Output
3.84 hp	231 ft-lbs	87 rpm	116 cfm

**Performance is based on air supply of 91 psi continuous pressure*

