

# Tapping Tools



## RT1000 TAPPING TOOL

The Model RT1000 Mini Tapping Tool is ideal for branching pressurized water lines. With 1" tapping capacity and the ability to drill into most pipe materials, the lightweight compact and corrosion-resistant design of the RT1000 is the perfect tool for branching pressurized pipe when system shut down is out of the question.

- Compact and lightweight, the tool is great for tight quarters and awkward locations.
- Sturdy machined construction and corrosion-resistant materials combine to provide dependable lifelong operation.
- Independent cutter feed mechanism gives the operator full control of drilling to optimize cutter performance and service life.
- Taps steel, cast iron, ductile iron and plastic pipe.
- Coupon retaining bits give you the confidence that the coupon will not be dropped in the pipe, preventing medium contamination or possible damage of downstream equipment.

## SPECIFICATIONS

- Tapping Capacity – 3/4" - 1"
- Mounting – Saddle, welded nipple, Weld-o-let®, Thread-o-let™
- Activation – Hand ratchet, air ratchet and right angle drill
- Cutter Feed – Rotation of sleeve around an Acme threaded barrel
- Pressure – Water, 200 psig @ 100°F
- Steam, air or natural gas, 100 psig @ 370°F

### Cutters

Catalog No.	Model No.	Diameter in.	Type
52760	M16	5/8	Bi-Metal
52780	M22	7/8	
76267		5/8	Steel Shell
76272		7/8	
76292		5/8	CI/DI Bit
76297		7/8	
76317		5/8	Plastic Shell
76322		7/8	

\*CI/DI = Cast Iron/Ductile Iron.

Catalog No.	Model No.	Description	Weight	
			lb.	kg
83567	RT1000	RT1000 Tapping Tool CTS Set	16	7.3
83302		RT1000 Tapping Tool Only	6	2.9

Note: CTS = copper Tube Size. NPTM/NPTF = National Pipe Thread Male/Female

### Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
76022		1 1/16" Ratchet Wrench	2	0.4
83307		RT 1000 Tool Box	7	3
83317		3/4" CTS Adapter	0.3	0.2
83322		1" CTS Adapter		
83337		3/4" NPTM Adapter		
83347		1" NPTM Adapter		
83327		3/4" Mueller® 110 Compression Adapter		
83572		1" Mueller 110 Compression Adapter	0.5	

### Standard Equipment

Catalog No. Model No.	Description	83567 RT1000
83317	3/4" CTS Adapter	I
83322	1" CTS Adapter	I
76047	Small Shaft Extension for 5/8" - 1 1/16" Hole Saws	I
76037	Small Arbor for 5/8" - 1 1/16" Hole Saws	I
76027	Coupon Retaining 1/4" Pilot	I
76022	1 1/16" Ratchet Wrench	I
31400	Spud Wrench (2)	I
83307	RT 1000 Tool Box	I

# Tapping Tools



## RT3422 TAPPING TOOL

The Model RT3422 is designed for branching pressurized water, steam and natural gas mains. With up to 2" capacity, corrosion-proof design, ability to handle most types of material and lightweight, the Model RT3422 is the tool to meet your tapping needs.

- Easy to use. At only 21", this lightweight and compact tool is great for tight quarters and awkward locations.
- Heavy-duty design. Sturdy machined, corrosion-resistant materials for dependable lifelong benefits.
- Built-in bleed valve allows for easy purge of chips.
- Independent cutter feed gives the operator total independent control of the cutter feed rotation for optimal saw life.
- Taps a variety of materials including steel, cast iron, ductile iron and plastic pipe.
- Versatility. The RT3422 is capable of tapping mains of water up to 500 psig and steam, air and natural gas up to 150 psig.
- Coupon retaining bits. Exclusive pilot bits give you the confidence that the coupon will not be dropped in the pipe, preventing medium contamination or possible damage of downstream equipment.

### Cutters

Catalog No.	Model No.	Diameter in.	Type
52760	M16	5/8	Bi-Metal
52780	M22	7/8	
52800	M29	1 1/8	
52820	M35	1 3/8	
52850	M44	1 3/4	
76267		5/8	Steel Shell
76272		7/8	
76292		5/8	Cl/DI Bit
76297		7/8	
76317	-	5/8	Plastic Shell
76322		7/8	
76277		1 1/8	Steel Shell
76282		1 3/8	
76287		1 3/4	
76302		1 1/8	
76307		1 3/8	
76312		1 3/4	Cl/DI Shell
76327		1 1/8	
76332	-	1 3/8	Plastic Shell
76337		1 3/4	

Note: Cutter diameter is 1/8" - 1/4" smaller than the diameter of the hole being cut.

### Pilots

Catalog No.	Description
76027	Coupon Retaining 1/4" Pilot
76032	Coupon Retaining 3/8" Pilot

### Hole Saw Arbors

Catalog No.	Description
76037	Small Arbor for 5/8" - 1 3/16" Hole Saws
76042	Large Arbor for 1 5/16" - 1 3/4" Hole Saws

### Shaft Extensions

Catalog No.	Description
76047	Small Shaft Extension for 5/8" - 1 3/16" Hole Saws
76052	Large Shaft Extension for 1 5/16" - 1 3/4" Hole Saws

### SPECIFICATIONS

- Tapping Capacity – 3/4" - 2"
- Mounting – Saddle, welded nipple, Weld-o-let®, Thread-o-let®
- Cutter Travel – 14"
- Activation – Hand ratchet, air ratchet, right angle drill
- Cutter Feed – Rotation of sleeve around an Acme threaded barrel
- Pressure – Water: 500 psig @ 100°F
- Steam, air and natural Gas, 150 psig @ 370°F

Catalog No.	Model No.	Description	Weight	
			lb.	kg
75982		Tapping Machine Only	16	7.3
75992	RT3422	3/4" - 2 NPT Set (Male)	5.3	13.6
91192		3/4" - 2" CTS Set (Flared)	4 4/5	3

### Accessories

Catalog No.	Description
76022	1 1/16" Ratchet Wrench
76017	RT 3422 Tool Box

### Standard Equipment

Catalog No.	Description	75982	75992	91192
		RT3422	RT3422	RT3422
76022	1 1/16" Ratchet Wrench		I	I
76047	Small Shaft Extension for 5/8" - 1 3/16" Hole Saws		I	I
76037	Small Arbor for 5/8" - 1 3/16" Hole Saws		I	I
76052	Large Shaft Extension for 1 5/16" - 1 3/4" Hole Saws		I	I
76042	Large Arbor for 1 5/16" - 1 3/4" Hole Saws		I	I
34100	Spud Wrench (2)		I	I
76132	NPT 3/4" Male		I	
76137	NPT 1" Male		I	
76142	NPT 1 1/4" Male		I	
76147	NPT 1 1/2" Male		I	
76152	NPT 2" Male		I	
76057	CTS 3/4" Female Valve Adapter			I
76067	CTS 1" Female Valve Adapter			I
76072	CTS 1 1/4" Female Valve Adapter			I
76077	CTS 1 1/2" Female Valve Adapter			I
76082	CTS 2" Female Valve Adapter			I
76027	Coupon Retaining 1/4" Pilot		I	I
76032	Coupon Retaining 3/8" Pilot		I	I

### Valve Adapters

Catalog No.	Description
76057	CTS 3/4" Female Adapter
76067	CTS 1" Female Adapter
76072	CTS 1 1/4" Female Adapter
76077	CTS 1 1/2" Female Adapter
76082	CTS 2" Female Adapter
76132	NPT 3/4" Male
76137	NPT 1" Male
76142	NPT 1 1/4" Male
76147	NPT 1 1/2" Male
76152	NPT 2" Male
83997	3/4" Mueller 110
84002	1" Mueller 110
84007	1 1/2" Mueller 110
84012	2" Mueller 110

NPT Sets available only with steel, male valve adapters.