



## Made for Professionals by Professionals

**Beware of other units sold on the market that use flimsy arbors for shanks.**

**If they can't do 6.00" Flanged Taps it isn't a TM-1Pro!**

This unit has been in the field over 17 years.

They are used by major Hot Tap Professionals around the world!

### TM-1 Pro Series Hot Tap Systems

**Capacity:** from 3/4" to 6" for Hot Tapping Copper, Steel, Cast Iron, Ductile Iron, ACP, C900, Plastic Pipe and more.

#### Specifications:

Designed for drilling holes in active Water, Sewer, Air and Natural Gas Lines

Pressure rating: 300psig., 100<sup>0</sup> F Cold working pressure - Buna Seals

Pressure Rating: 200psig., 250<sup>0</sup> F Hot working pressure - Silicon Seals (Optional)

Pressure Rating: 150psig., 350<sup>0</sup> F Hot working pressure - Silicon Seals (optional)

Pressure rating for Air and Natural Gas 150 psi

Temperature Rating: -40 to 250<sup>0</sup> F with Buna seals

Temperature Rating: -65 to 425<sup>0</sup> F with Silicone seals

Hydro-test Pressure: 350 psig., cold, non-shock

#### Boring Bar Stroke:

Short Boring Bar = 13.75"

Long Boring Bar = 48.00"

Feed Screw Stroke:

3" to 8.50" = Positional at any locations, covering approximately 15" of cutter feed

Power Motor:

Milwaukee 1675-6 - 1/2" Hole Hawg R/A Electric Motor - 300 free rpm; 120 v 60HZ

## TM-1 Pro 13 - 1.0"-3.0" NPT Electric Drive Hot Tap System



### TM-1 Pro-13 – 1.0” thru 3.0” Base Hot Tap System Includes:

- (1) TM-1 Pro 3-Rail Assembly with Feed Screw Assembly
- (1) 1675-6 - 1/2” Hole Hawg R/A Electric Drive with Motor Plate
- (1) 5/8” I.D. Packing Gland with Brass Insert for 1.0” to 4.0” taps
- (1) 1.0”, 1.5”, 2.0”, 2.5”, and 3.0” Threaded MIP Adapters
- (1) 1.0”, 1.5”, 2.0”, 2.5”, and 3.0” HSS Cutters
- (1) 18” OAL x 5/8” 1/2-20 TPI Threaded Boring Bar for 3/4”-1.25” taps
- (1) 18” OAL x 5/8” dia. w/ Hex Head Boring Bar for 1.5”-2.0” taps
- (1) 18” OAL x 5/8” dia. w/ Heavy Duty 2-Bolt Boring Bar for 2.0-3.0” taps
- (1) 23” OAL x 5/8” dia. w/ Heavy Duty 2-Bolt Boring Bar for 2.0-3.0” taps
- (1) TM1-Pro Heavy Duty Mobile Tool Box with Pull Out Handle
- (1) 1/4” dia x 4-1/4” Short Flute Steel Hot Tap Pilot with Dual Retention wires
- (1) 3/8” dia x 4-1/4” Short Flute Steel Hot Tap Pilot with Dual Retention wires
- (1) Tube Loctite, 24” OD Tape Measure, Set Allen wrenches, User’s Manual
- (1) Extra Set Buna Seals and (1) Set Silicone high temp seals for steam
- (1) Extra Set all set screws, bolts, nuts, etc.
- (1) 1/4” Jomar Brass Bleed Valve for 1.0” to 3.0” NPT Adapters
- (1) Bonus: Router Speed Control (Value \$29.95)
- (1) Bonus: Seal pick set (Value \$5.95)

**Optional 3/4”, 1-1/4”, 4.0” MIP and 6.0” Std/MJ Drilled Flanged Adapters and Accessories available**

# Our Best Seller!



## TM-1 Pro 343 - 3/4"-3.00" NPT Electric Drive Hot Tap System



### TM-1 Pro-343 – 3/4" thru 3.0" Base Hot Tap System Includes:

- (1) TM-1 Pro 3-Rail Assembly with Feed Screw Assembly
- (1) 1675-6 - 1/2" Hole Hawg R/A Electric Drive with Motor Plate
- (1) 5/8" I.D. Packing Gland with Brass Insert for 1.0" to 3.0" taps
- (1) 3/4", 1.0", 1.25", 1.5", 2.0", 2.5", and 3.0" Threaded MIP Adapters
- (1) 3/4", 1.0", 1.25", 1.5", 2.0", 2.5", and 3.0" HSS Cutters
- (1) 18" OAL x 5/8" 1/2-20 TPI Threaded Boring Bar for 3/4"-1.25" taps
- (1) 18" OAL x 5/8" dia. w/ Hex Head Boring Bar for 1.5"-2.0" taps
- (1) 18" OAL x 5/8" dia. w/ Heavy Duty 2-Bolt Boring Bar for 2.0-3.0" taps
- (1) 23" OAL x 5/8" dia. w/ Heavy Duty 2-Bolt Boring Bar for 2.0-3.0" taps
- (1) TM1-Pro Heavy Duty Mobile Tool Box with Pull Out Handle
- (1) 1/4" dia x 4-1/4" Short Flute Steel Hot Tap Pilot with Dual Retention wires
- (1) 3/8" dia x 4-1/4" Short Flute Steel Hot Tap Pilot with Dual Retention wires
- (1) Tube Loctite, 24" OD Tape Measure, Set Allen wrenches, User's Manual
- (1) Extra Set Buna Seals and (1) Set Silicone high temp seals for steam
- (1) Extra Set all set screws, bolts, nuts, etc.
- (1) 1/4" Jomar Brass Bleed Valves for 1.0" to 3.0" MIP Adapters
- (1) Bonus: Router Speed Control (Value \$29.95)
- (1) Bonus: Seal pick set (Value \$5.95)

***Optional 4.0" NPT and 6.0" Std/MJ Drilled Flanged Adapters and Accessories available***



## TM-1 Pro 14 - 1.0"-4.0" NPT Electric Drive Hot Tap System



### TM-1 Pro-14 – 1.0" thru 4.0" Base Hot Tap System Includes:

- (1) TM-1 Pro 3-Rail Assembly with Feed Screw Assembly
- (1) 1675-6 - 1/2" Hole Hawg R/A Electric Drive with Motor Plate
- (1) 5/8" I.D. Packing Gland with Brass Insert for 1.0" to 4.0" taps
- (1) 1.0", 1.5", 2.0", 2.5", 3.0", and 4.0" Threaded MIP Adapters
- (1) 1.0", 1.5", 2.0", 2.5", 3.0" and 4.0" HSS Cutters
- (1) 18" OAL x 5/8" 1/2-20 TPI Threaded Boring Bar for 3/4"-1.25" taps
- (1) 18" OAL x 5/8" dia. w/ Hex Head Boring Bar for 1.5"-2.0" taps
- (1) 18" OAL x 5/8" dia. w/ Heavy Duty 2-Bolt Boring Bar for 2.0-3.0" taps
- (1) 23" OAL x 5/8" dia. w/ Heavy Duty 2-Bolt Boring Bar for 2.0-3.0" taps
- (1) 23" OAL x 5/8" dia. w/ Heavy Duty 1-Bolt Boring Bar for 4.0" taps
- (1) 28" OAL x 5/8" dia. w/ Heavy Duty 1-Bolt Boring Bar for 4.0" taps
- (1) 4.0" Drive Head for 4.0" Taps
- (1) TM1-Pro Heavy Duty Mobile Tool Box with Pull Out Handle
- (1) 1/4" dia x 4-1/4" Short Flute Steel Hot Tap Pilot with Dual Retention wires
- (1) 3/8" dia x 4-1/4" Short Flute Steel Hot Tap Pilot with Dual Retention wires
- (1) Tube Loctite, 24" OD Tape Measure, Set Allen wrenches, User's Manual
- (1) Extra Set Buna Seals and (1) Set Silicone high temp seals for steam
- (1) Extra Set all set screws, bolts, nuts, etc.
- (1) 1/4" & 1/2" Jomar Brass Bleed Valves for 1.0" to 3.0" and 4.0" MIP Adapters
- (1) Bonus: Router Speed Control (Value \$29.95)
- (1) Bonus: Seal pick set (Value \$5.95)
- (1) Bonus: 4x4 Standard Drill Flanged Adapter for 4.0" Flanged Taps (Value \$29.00)

**Optional 3/4", 1-1/4", 4.0" NPT and 6.0" Std/MJ Drilled Flanged Adapters and Accessories available**



## TM-1 Pro 6.0" Accessories



### TM-1 Pro 6.0" Accessories

- (1) 6.0" Std and MJ Flanged 150# Adapter
- (1) 3/4" Packing Gland with Brass Insert
- (1) 3/4" Drive Head for 6.0" Taps
- (1) 3/4" dia x 23.0" OAL HD Boring Bar
- (1) 3/4" dia x 28.0" OAL HD Boring Bar
- (1) 1/2" Brass Bleed Valve
- (1) Upgrade to Large Mobile Tool Box
- (1) 6.0" Bi Metal HSS Cutter
- (1) 6.0" Accessories Pack of extras

### *TM-1 Pro 6.0" Std/MJ Drilled Flanged Adapter & Accessories*

- (1) 6.0" Standard and MJ Drilled 150# Flanged Adapter
- (1) 3/4" Packing Gland with Brass Insert
- (1) 3/4" Drive Head for 6.0" Flanged Taps
- (1) 23" OAL x 3/4" dia. w/ Heavy Duty 1-Bolt Boring Bar for 6.0" taps
- (1) 28" OAL x 3/4" dia. w/ Heavy Duty 1-Bolt Boring Bar for 6.0" taps
- (1) 1/2" Brass Bleed Valve for 6.0 Taps
- (1) Upgrade to Large Mobile Tool Box
- (1) 6.0" Bi Metal Cutter
- (1) 6.0" Accessories Pack of extras

### **Additional TM-1 Pro Hot Tap Systems Configurations:**

#### **TM-1 Pro 344 – 3/4"-4.0" MIP Hot Tap System**

Same as TM-1 Pro 14 plus 3/4" and 1-1/4" NPT Adapters

#### **TM-1 Pro 16 – 1.0"-4.0" MIP & 6.0" Flanged Hot Tap System**

Same as TM-1 Pro 14 plus 6.0" Std/MJ Drilled Flanged Adapter and 6.0" Accessories

#### **TM-1 Pro 346 – 3/4"-4.0" MIP & 6.0" Flanged Hot Tap System**

Same as TM-1 Pro 344 plus 6.0" Std/MJ Drilled Flanged Adapter and 6.0" Accessories