

Hot Tap Drill

Manually drill into pipes under pressure

Key Features

- Can be operated when the system is under pressure
- Pressure: up to 20 bar (290psi)
- Drilling depth: up to 200 mm (7.87")
- 4 interchangeable drill bit sizes:
 - (i) 8.5mm drill bit suits 1/4" ball valve
 - (ii) 14.5mm drill bit suits 1/2" ball valve
 - (iii) 19.5mm drill bit suits 3/4" ball valve
 - (iv) 24.5mm drill bit suits 1" ball valve
- Innovative structural design to avoid the bit getting stuck or broken



About

A hot tap drill allows you to manually install a connection point on pressurized pipes or unpressurized pipes.

Compressed Air Alliance's hot tap drill is designed to prevent contamination from the drilling process entering the pipework when working on pressurized pipes. As the drill starts to break pierce the pipe, pressure forces all loose particles back through an exhaust chamber in the drill's body where they are captured. This process ensures that no contamination enters the pipework when working on pressurized pipes.

Note: Hot tapping can be dangerous and should be performed by experienced technicians only. Care should be taken when using the hot tap drill and appropriate personal protection equipment should be worn

Applications

- Manufacturing and industrial use
- Pressurized and unpressurized pipes
- Temporary or permanent installation



More Info



sales@compressedairalliance.com
www.compressedairalliance.com

Specifications

Drill	
Drill Depth	200 mm 7.87"
Drill Bit Diameters	8.5 & 14.5 & 19.5 & 24.5 mm (interchangeable)
Corresponding Ball Valves	1/4" & 1/2" & 3/4" & 1"
Operating Pressure	0 to 20 bar 0 to 290 psi
Materials	
• Drill Bit	Cobalt-containing high-performance high-speed steel HSS / E
• Main Body	Aluminium

Other	
Ambient Temperature	-50 to +200°C -58 to +392°F
Dimensions	
• Drill Bit & Adapter	380 mm x 47 mm x 47 mm 15" x 2" x 2"
• Drill Bit	170 mm long 6.7" long
• Socket Wrench	250 mm x 60 mm x 45 mm 9.8" x 2.4" x 1.8"
Weight	2.6 kg 5.7 pounds
Warranty	12 months

How to Order

Buy online: www.compressedairalliance.com/products

Drill Bit size

One size only

1 - 14.5 mm, 0.57"

2 - 19.5 mm, 0.77"

3 - 24.5 mm, 0.96"

Two sizes

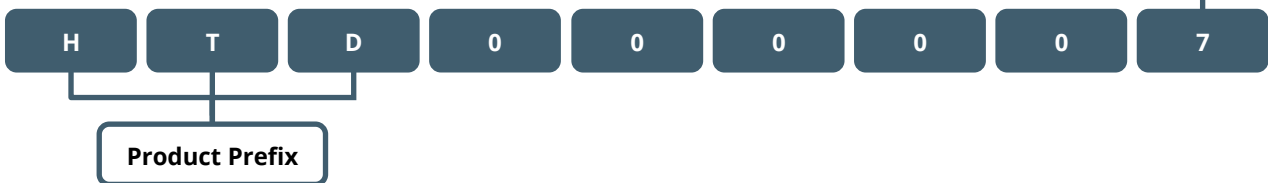
4 - 14.5 & 19.5 mm, 0.57" & 0.77"

5 - 14.5 & 24.5 mm, 0.57" & 0.96"

6 - 19.5 & 24.5 mm, 0.77" & 0.96"

All sizes

7 - 8.5, 14.5, 19.5, 24.5 mm,
0.33", 0.57", 0.77", 0.96"



Compressed Air Measurement Equipment

Dew Point Sensors

For compressed air and gas in manufacturing and industrial environments

Pressure Dew Point (PDP) Range

- -60 to +60°C (-76°F to +140°F)
 - for refrigerant, drum, membrane and desiccant dryers
- -80 to +20°C (-112°F to +68°F)
 - for membrane and desiccant dryers and Nitrogen systems
- -110 to +20°C (-166 °F to +68°F)
 - for membrane and desiccant dryers

Power Supply

24vDC

Outputs

Modbus RTU (RS485) and 4-20mA

Data Logging

No

Display

Optional

Accuracy

up to ±2%



Flow Meters

For compressed air and gas in manufacturing and industrial environments

Flow Meter Range

- Vortex – for very wet gas and steam
- Pitot Tube – for wet gas and high velocity gas
- Thermal Mass – for dry, clean gas

Power Supply

24vDC

Outputs

Modbus RTU (RS485) and 4-20mA

Data Logging

Yes

Display

Yes

Accuracy

±(1.5% RD + 0.3% FS)

Pressure Sensors

For compressed air and gas in manufacturing and industrial environments

Pressure Range

- 16 bar
- 50 bar

Power Supply

24vDC

Outputs

Modbus RTU (RS485) or 4-20mA

Data Logging

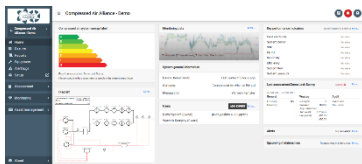
No

Display

No

Accuracy

±1%



Online Monitoring

Get online access to your data via a laptop, tablet or mobile phone. Monitor energy, water, gas and other data in real time, 24 hours per day, 7 days per week.

- Suitable for all Compressed Air Alliance products as well as other brands
- View and analyse data and graphs
- Set alarms and SMS and/or email notifications
- Track performance against targets
- Download data in csv format
- Self-assessments to compare your system against best practice