

SPOT WELD DRILL

85-1001

PRO SPOT

QUALITY WELDING SYSTEMS

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Pro Spot - Spot Weld Drill

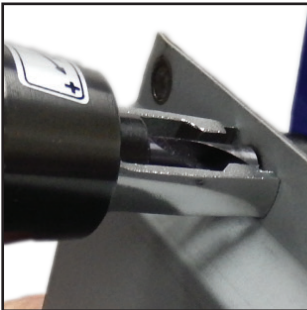
The Spot Weld Drill is made to drill out spot welds on Mild Steel, High Strength Steel (HSS) and Boron Steel (UHSS).

Our drills have two very unique features that separate the Pro Spot Drill from all the rest on the market, Two-Stage Start and Two-Flute Bits.



Two-Stage Start

The Two-Stage Start is the core feature of this spot weld drill. As the trigger handle is pushed on the drill, the bit moves forward to come in contact with the location to be drilled (Stage 1). Once the bit comes in contact with the metal, the bit starts spinning (Stage 2). All this is done with the simple squeeze of the handle. This makes it extremely easy to line up because the bit is against the metal before the drilling starts. The Two-Stage Start prolongs the life of the bits by eliminating the inward collision of the bit against the metal while it is spinning.



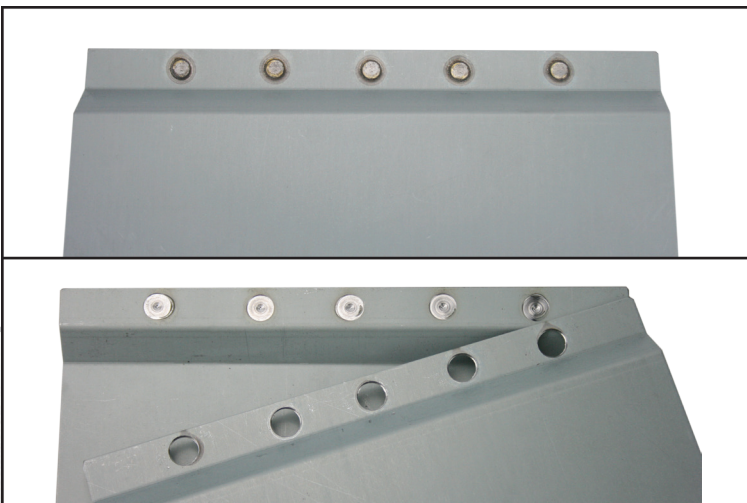
Stage 1



Stage 2

Two-Flute Bits

The Two-Flute Bits are another key feature of this drill. By utilizing two flutes instead of the competition's three flutes, each flute on the bit is thicker and stronger. This design makes them last much longer. With the Carbide bits, you will be able to drill through the harder metals found on today's vehicles.



Standard Bit



Carbide Bit (Optional)



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Ease of Use

The Pro Spot - Spot Weld Drill is very easy to set-up. Once the drill is set to the desired thickness of metal, the drill will automatically stop every time. This will ensure that the panel staying on the vehicle remains in the best possible condition.

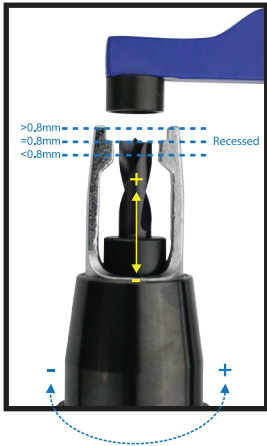


Fig. 1

Step 1 - Turn the black adjustment ring until the bit meets the recessed portion of the drill guides. Set for 0.8 mm thickness metal. (Fig. 1)

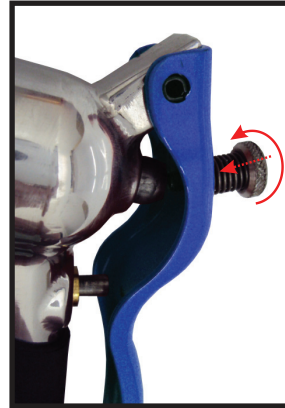


Fig. 2

Step 2 - Adjusting the Trigger Handle Turn thumbscrew clockwise until it stops. (Fig. 2)



Fig. 3

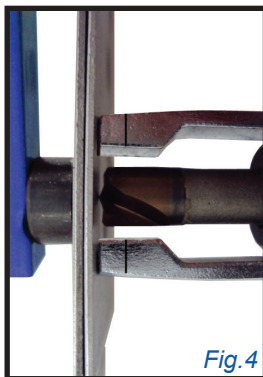


Fig. 4

Step 3 - Depth Check Press the rear handle gently (Fig. 3) up to the point when the drill bit is touching the surface. (Fig. 4)



Fig. 5

Step 4 - Re-adjusting the Trigger Handle Keep the trigger gently pressed while turning the thumbscrew counterclockwise simultaneously. (Fig. 5) The drill bit should still be touching the surface. Turn thumbscrew counterclockwise until the drill bit starts turning. The Spot Weld Drill is now set.

Note - Steps 2 - 4 should be repeated if total thickness of sheet metal will change.

Optional Arm



Carbide Bit Specifications:

Drilling Head : Sintered Carbide
Shank Material : HSS
Coating : PVD
Hardness : 3100 HV (Vickers)
Heat Protection : 1100°C

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