

# COMPUSPOT DRILL

AMH®

*Spot Weld Drilling Machine*

**A spot weld drilling machine specially designed for Boron & Ultra High Strength Steels.**

**Low Speed, High Torque Cutting Action.**  
Required for steels with a high Rockwell hardness rating.

**Variable Depth Adjustment.**  
Prevents drilling into the bottom panel.

**2 Stage Start.**  
Improves alignment and prolongs bit life.

**Special Carbide Bit Coating.**  
Reduces friction heat and increases bit performance.

**2 Blade Bit Configuration.**  
Provides a wider, shock resistant cutting surface.  
Avoids broken bits.

**Approved by:** VolksWagen,  
Audi, Porsche, Seat & Skoda



Standard kit: 16.178.05.01 Deluxe kit: 16.178.05.00



***State of the art technology at your finger tips***

# COMPUSPOT DRILL

## Technical Specifications

Weight.....	2,4kg
Length.....	12,4" (315mm)
Pressure.....	6 bar
Pressure on drill bit.....	min. 240kg
RPM free speed.....	1000
RPM under load.....	700
Adapter.....	1/4" (6,35mm)
Air consumption.....	175 l/min. / 6 CFM
Sound level.....	82 dba
Vibration.....	0.233 m/s <sup>2</sup>
Average bit life.....	60-80 cuts on 60HRC (1000 cuts on standard sheet metal)

## Kits & Accessories

### Standard kit (including plastic storage box)\* Ref:16.178.05.01

Qty	Description	Reference
1	Compuspot Drill unit	16.178.05.04
1	Drill Bit 8MM	16.178.05.07
1	Standard arm 2" (51MM)	16.178.05.03

\*Optional with standard kit: Drill Bit 6MM (Reference 16.178.05.06),  
Drill Bit 10MM (Reference 16.178.05.08) & Deep arm 5-1/2" (Reference 16.178.05.02)

### Deluxe kit (including plastic storage box)\*\* Ref:16.178.05.00

Qty	Description	Reference
1	Compuspot Drill unit	16.178.05.04
2	Drill Bit 8MM	16.178.05.07
1	Drill Bit 10MM	16.178.05.08
1	Standard arm 2" (51MM)	16.178.05.03
1	Deep arm 5-1/2" (140MM)	16.178.05.02

\*\*Optional with deluxe kit: Drill Bit 6MM (Reference 16.178.05.06)



## The Advantages

The CompuSpot Drill has been designed to remove spot welds on boron, high and ultra high strength steel, efficiently, quickly and without wearing out bits prematurely. The pneumatic pistol is supported by a manual mechanism which increases the pressure on the panel surface.



A special transmission delivers high torque at reduced RPM in order to prevent overheating the carbide bits. This is done without the need to reduce incoming air pressure which would result in the loss of torque.

The depth of the cut may be adjusted to match the outer panel thickness so the old spot weld may be removed without cutting into the bottom panel.

The drilling action can be adjusted so that the bit does not turn before it touches the metal surface, ensuring the blades do not break on impact and giving a smooth cutting start. Aligning the bit over the old spot weld is much easier when the bit is not turning.

The carbide bits have a special PVD coating which greatly reduces friction and protects the bits up to a temperature of 1100°C.

The two blade technology utilized on the bit tips improves the strength of the cutting surface and increases stability. The blades are wider and more massive and therefore less sensitive to impacts and vibration.

A variety of high performance 6mm, 8mm, and 10mm drill bits are available.

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