

## VACUUM PAD FOR MAG DRILLS

### SAFE AND SECURE DRILLING ON ANY SURFACE

Vacuum Pad is a special type of clamping device for compact mag drills. It enables magnetic drilling machines to effectively operate on non-ferrous materials, where it is impossible to fit the magnetic base of a drill directly to the workpiece.

The **Vacuum Pad** provides the ability to drill on non-magnetic or thin surfaces and materials with certain surface imperfections. It is intended for use with stainless steel, aluminum and thin carbon steel plates.

#### FEATURES

- Enables drilling in flat non-ferrous materials
- For use with Steelmax Mag Drill models D1, D2, D3, D4 and D1 LP
- Includes 2-meter pump connection hose
- 2 possible configurations  
vacuum supply (standard)  
compressed air supply (optional)
- Product Code: SM-0587-10-00-00-0



VACUUM SUPPLY  
(standard configuration)



COMPRESSED AIR SUPPLY  
(optional configuration)

**Steelmax**

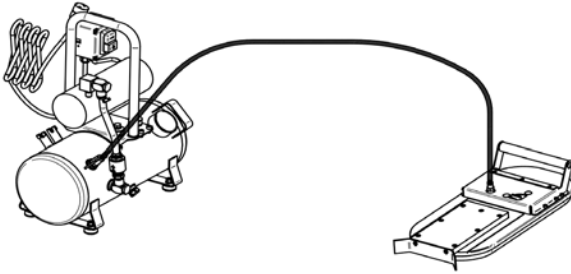


# VACUUM PAD FOR MAG DRILLS

## STANDARD CONFIGURATION-VACUUM SUPPLY

Portable vacuum pump with safety reservoir -  
Ideal Solution for working together with vacuum pad

AGR-0541-10-20-00-0 for 230 V  
AGR-0541-10-10-00-0 for 115 V with UK plug



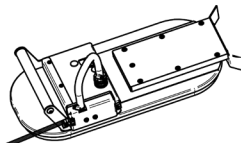
## Optional Configuration-compressed air supply

Optional compressed air ejector generates a vacuum thanks to high flow speed of air according to the Bernoulli principle. The vacuum pad equipped with the compressed air ejector can be an effective solution in numerous industrial plants and workshops, where compressed air pipe system is widely utilized.



Compressed air ejector  
SMZSP-0587-11-00-00-0

**Compressed Air**



**COMPRESSED AIR SUPPLY**  
(optional configuration)

Vacuum pad equipped with compressed air ejector



### Technical Specifications of VACUUM PAD for Mag Drill Vacuum Supply

Gauge pressure*	-0.8 bar (-11.5 psig)	
Connection	Quick Coupling DN 7.2	
Capacity	4m <sup>3</sup> /h (141 ft <sup>3</sup> /h)	
Holding force (at gauge pressure of -0.8 bar/-11.5 psig)	0 m above sea level	4800 N 3800 N
Minimum workpiece thickness	5 mm	
Drilling depth decrease	40 mm (1-9/16")	
Dimensions	488 mm x 214 mm x 107mm 19-3/16" x 8-7/16" x 4-3/16"	
Supply hose length	2 m (6.5 ft.)	
Required ambient temperature	1-40 C (34-104 F)	
Weight	7.5 kg (16.5 lbs)	
Part Number	SM-PDS-0587-10-00-00-0-1	

## Equipment configurations

Using vacuum pad results in decreasing regular depth of cut by 1.5" (40 mm).

Maximum depth of cut depends on configuration in use.



Pilot pin

Annular cutter 50 mm extension

- Product code: SM-WS-EX-2
- Requires pilot pin (see table)



### TECHNICAL SPECIFICATION OF VACUUM PAD FOR MAG DRILL – COMPRESSED AIR SUPPLY

Supply	6 bar (87 psi)
Connection	Quick-coupling fitting DN 7.2
Air consumption	4 m <sup>3</sup> /h (141 ft <sup>3</sup> /h)
Supply hose length	2 m (6.5 ft)
Holding force	0 m above sea level 4800 N
(at gauge pressure of -0.8 bar / -11.5 psig)	1500 m above sea level 3800 N
Required ambient temperature	1-40 °C (34-104°F)
Diameter of supply hose extension (if needed)	8 mm
Maximum total length of supply hose (including supply hose extension)	10 m