**Vacuum Plates**

For applications where drill alone will not adhere to surface

**Vacuum Plate for Channeled Plates**

Order No. ZAV 301 (vacuum plate only)
Order No. ZAV 310 (vacuum plate and vacuum pump, 110V)

Ideal for channeled plates. High-performance vacuum pump with circular oil lubrication. Clamping plate diameter: 11.8”

**Vacuum Plate for Smooth Surfaces**

Order No. ZAV 401 (vacuum plate only)
Order No. ZAV 410 (vacuum plate and vacuum pump, 110V)

Ideal for smooth surfaces. High-performance vacuum pump with circular oil lubrication. Clamping plates with two suction surfaces and cut-through drilling area.

**Metal Chip Cleanup Tools**

- Easily clean up sharp-edged drill chips, screws and other metal parts
- Ideal for hard-to-reach spaces

**Power Cleaner – POW 200**

Two-in-one tool for removing chips

- Items are safely ejected off of Power Worker without hand contact
- Rare earth magnet cleans metal parts and shavings

**Power Worker – POW 100**

Simple cleanup of metal chips

- Hook pulls away metal swarf from drill
- Brush cleans fine chips

**Pipe Saddle Clamp System**

Ensures safe, secure drilling of pipes and tubular material

**ZRO 250 Pipe Saddle Clamp System**

Pipe diameters 3¼” - 10”
Chain length: 35½”
For models: MABasic 200, MABasic 400, MABasic 450, MAB 455, MAB 485 and CSU 32RL

**ZRO 500 Pipe Saddle Clamp System**

Pipe diameters 6” - 20” (extension chain available)
Chain length: 65”
For models: MAB 525, MAB 825, MAB 845, CSU 50 Series, CSU 100/3RL, AB-4300-2 and HB 4400

Dimensions shown in mm.

**Ideal for applications requiring the flexibility of clamping on pipes from 3-1/4” to 20” diameter. These pipe clamp systems are flexible and easy to use. Swivelling V-blocks fit the contour of the pipe while the heavy-duty tension chains securely affix the clamps to the piece being drilled. The drilling position can be easily and safely adjusted.**