

## Pipe Preparation Tools

### Roll Groove

Victaulic was the first to develop roll grooving tools in the 1950's and continues to lead the industry in developing tools that make the job faster and easier to install.

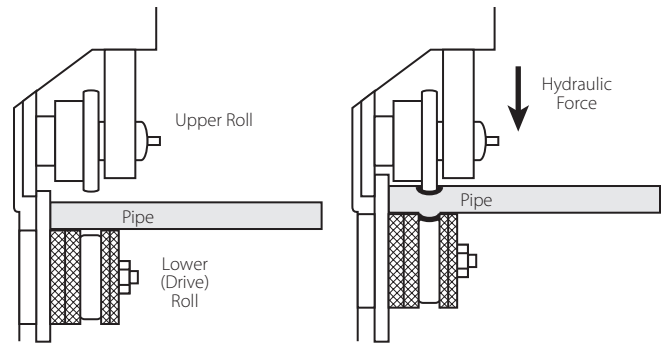
Victaulic was the first company to receive approval for use of grooved pipe on fire protection systems.

Victaulic offers a variety of tools for pipe preparation, cutting holes, in-place repairs and system maintenance.



Roll groove shown on Schedule 40 steel pipe. The small dimple created on the interior pipe wall does not significantly affect pressure or flow.

### Roll Grooving Process



*Vic-Easy* tools cold form groove into pipe – maintains dimensions

Roll grooving removes no metal from pipe

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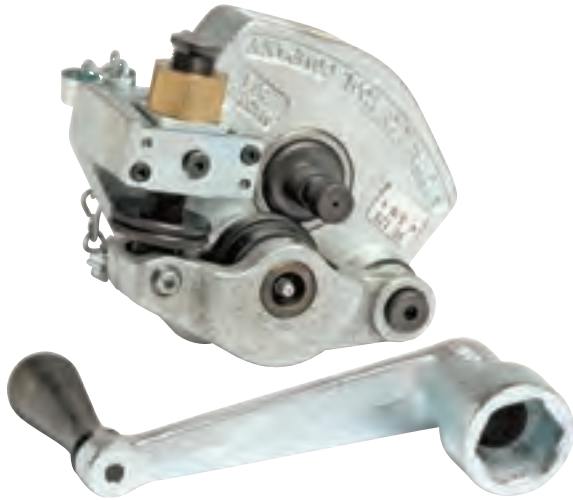
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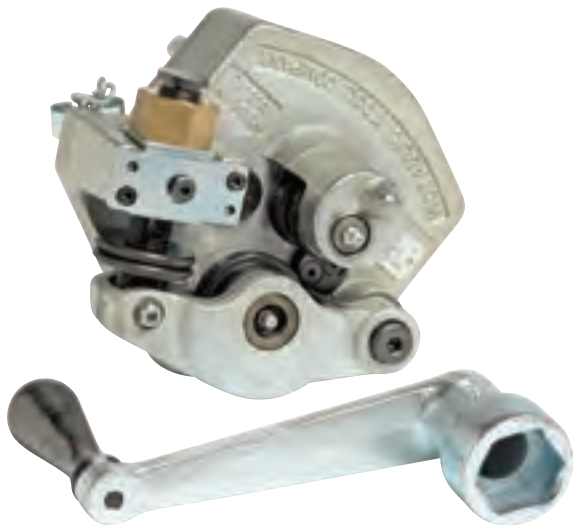


## Field Portable Roll Grooving Tools

### VE12 GROOVE IN-PLACE

[Download publication 24.01](#) for complete information

- Roll grooves  $\frac{3}{4}$ –2" | DN20–DN50 pipe
- For manual grooving of Schedule 5, 10 and 40 steel; stainless steel; aluminum and PVC pipe
- Tool is manually operated using the supplied crank
- Enhanced tracking rolls allow bi-directional grooving
- Power Requirements: None
- Weight: 17 lbs. | 8 kg



## Field Portable Roll Grooving Tools

### VE26 GROOVE IN-PLACE

[Download publication 24.01](#) for complete information

- Roll grooves 2–6" | DN50–DN150 pipe
- For manual grooving of Schedule 5, 10 and 40 steel; stainless steel; aluminum and PVC pipe; K, L, M, DWV, A, B and D copper tube
- Tool is manually operated using the supplied crank
- Enhanced tracking rolls allow bi-directional grooving
- Optional power drive adapter kit available to alternately groove pipe using a Ridgid® 300 power drive or VPD752
- Power Requirements: None
- Weight: 22 lbs. | 10 kg

## Pipe Preparation Tools



### Field Portable Roll Grooving Tools

#### VE46 GROOVE IN-PLACE

[Download publication 24.01](#) for complete information

- Roll grooves 3½–6" | DN90–DN150 pipe
- For manual grooving of Schedule 5, 10 and 40 steel; stainless steel and aluminum pipe; Schedule 40 – 80 PVC pipe
- Tool is manually operated using the supplied crank
- Enhanced tracking rolls allow bi-directional grooving and helps to hold the tool on the pipe end during the roll grooving process
- Optional power drive adapter kit available to alternately groove pipe using a Ridgid® 300 Power Drive or VPD752
- Power Requirements: None
- Weight: 28lbs. | 13 kg



### Field Portable Roll Grooving Tools

#### VE226 PORTABLE GROOVER

[Download publication 24.01](#) for complete information

- Roll grooves ¾–6" | DN20–DN150 pipe
- For grooving of Schedule 5, 10 and 40 steel; stainless steel; aluminum and PVC pipe; K, L, M, DWV, A, B and D copper tube
- Tool is operated using a standard ¾" | 9.5 mm square ratchet drive (not included)
- Drive Requirements: Mounts to Victaulic® VPD752 or Ridgid® 300 Power Drive; optional bases available
- Weight: 37 lbs. | 17 kg



## Field Fabrication Roll Grooving Tools

### VE106/VE107 GROOVE-N-GO

[Download publication 24.01](#) for complete information

- Roll grooves 1¼–6" | DN32–DN150 pipe
- For grooving of Schedule 5, 10 and 40 steel and stainless steel pipe; K, L, M and DWV copper tube
- Mobile light-duty roll grooving tool with an integral motor/drive unit mounted to portable hand truck
- Reduces pipe handling by allowing the tool to be wheeled directly to the pipe preparation site
- ⅜" | 9.5 mm square ratchet drive for operation (standard)
- Enhanced tracking rolls help to keep the pipe on the tool during the roll grooving process
- Completely self-contained unit with an integral motor, safety foot switch and power plug
- Power Requirements:  
VE106 is provided with 110 volt, 15 amp power;  
VE107 is provided with 220 volt, 6 amp power
- Weight: 140 lbs. | 64 kg



## Portable Roll Groover

### STYLE VE206

[Download publication 24.01](#) for complete information

- Roll grooves 1¼–6" | DN32–DN150
- For grooving of Schedule 5, 10 and 40 steel and stainless steel pipe; K, L, M and DWV copper tube
- Tool head mounts to any tripod stand with a Ridgid® 300 bolt pattern or the flat bed of a work truck
- Hydraulic hand pump can be mounted on either side of the tool for right or left hand operation
- Supplied with Victaulic® tool carry bag for accessory storage
- Power Requirements: Compatible with multiple power drive units; Victaulic VPD752, Ridgid® 300 or 700 and Rems Amigo II
- Weight: 165 lbs. | 75 kg

## Pipe Preparation Tools



### Field Fabrication Roll Grooving Tools

VE272SFS

[Download publication 24.01](#) for complete information

- Roll grooves ¾ – 12" | DN20 – DN300 pipe
- For grooving of Schedule 5, 10, 40 and 80 steel; stainless steel; aluminum and PVC pipe; K, L, M and DWV copper tube
- Hand pump operation with a unique pivot arm design reduces handle effort
- Enhanced tracking rolls help to keep the pipe on the tool during the roll grooving process
- The fully-motorized, semi-automatic, electrohydraulic tool comes complete with safety guards and safety foot switch
- Power Requirements: Victaulic® VPD752 or Ridgid® 300 Power Drive
- Weight: 184 lbs. | 84 kg



### Field Fabrication Roll Grooving Tools

VE270FSD/VE271FSD

[Download publication 24.01](#) for complete information

- Roll grooves ¾ – 12" | DN20 – DN300 pipe
- For grooving of Schedule 5, 10, 40 and 80 steel; stainless steel; aluminum and PVC pipe; K, L, M and DWV copper tube
- Completely self-contained unit with integral gear motor, safety guards, safety foot switch and power cord/plug
- Equipped with a unique pivot arm design, making roll changing quick and easy without removing shafts
- Enhanced tracking rolls help to keep the pipe on the tool during the roll grooving process
- The fully-motorized, semi-automatic, electrohydraulic tool comes complete with safety guards and safety foot switch
- Power Requirements: VE270FSD is provided with 110 volt, 15 amp power; VE271FSD is provided with 220 volt, 6 amp power
- Weight: 340 lbs. | 154 kg

#### Certifications/Listings:





## Field Fabrication Roll Grooving Tools

VE416FSD/VE417FSD

[Download publication 24.01](#) for complete information

- Roll grooves 2–16" | DN50–DN400 pipe
- For grooving of Schedule 5, 10, 40 and 80 steel; stainless steel; aluminum and PVC pipe; K, L, M and DWV copper tube
- VE416FSD/VE417FSD is designed for field grooving of OGS pipe and should not be used for continuous field production grooving; For field production grooving capabilities, use a VE450FSD tool
- Groove depth adjuster allows for easy adjustment for initial groove diameter
- Completely self-contained units with integral gear motors, safety foot switch and power cord/plug
- The fully-motorized, semi-automatic, electrohydraulic tool comes complete with safety guards and safety foot switch
- Power Requirements: VE416FSD is provided with 110 volt, 15 amp for integral gear motor; VE417FSD is provided with 220 volt, 8 amp service
- Weight: 340 lbs. | 154 kg

### Certifications/Listings:



## FireLock™ IGS Roll Grooving Tool

RG2100

[Download publication 10.54](#) for complete information

- Optimized to roll groove IGS 1" | DN25 carbon steel Schedule 40 down to Schedule 10 pipe
- Features a cast carriage for use on a standard Ridgid™ 300 Power Drive
- Carriage accepts:
  - RG2100 tool head
  - Cutter
  - Reamer
  - Lever
- Power Requirements: 115 volt, 15 amp power connection
- Weight: 37.5 lbs | 17 kg
- Grooves to the proprietary IGS groove specification, [download publication 25.14](#)

## Pipe Preparation Tools



### Plant/Shop Fabrication Roll Grooving Tools

VE268

[Download publication 24.01](#) for complete information

- Roll grooves ¾–12" | DN20–DN300 pipe
- For grooving of Schedule 5, 10, 40 and 80 steel; stainless steel; aluminum and PVC pipe. K, L, M and DWV copper tube.
- The fully-motorized, semi-automatic, electrohydraulic tool comes complete with safety guards and safety foot switch
- Equipped with a unique pivot arm design, making roll changes quick and easy, without removing shafts
- Enhanced tracking rolls help to keep the pipe on the tool during the roll grooving process
- Power Requirements: 220/440 volt, 3-phase, 60 hertz standard; the tool can also be supplied in various voltages, contact Victaulic for details
- 3-phase requires tool power to be hard wired by a local certified electrician
- Weight: 735 lbs. | 333 kg



### Plant/Shop Fabrication Roll Grooving Tools

RG5200i

[Download publication 24.05](#) for complete information

- Fully-automated, hydraulic shop tool is shipped fully assembled with proximity scanner, control stand and rolls for standard grooving (4–24" | DN100–DN600) Schedule 40 pipe
- Enhanced tracking rolls help to keep the pipe on the tool during the roll grooving process
- Tool ships with 4–12" | DN100–DN300 Original Groove System Groove Rolls and 14–24" | DN350–DN600 AGS Groove Rolls
- Drive Requirements: Self-contained
- Power Requirements: 208/240 volt, 3 phase, 50/60 hertz standard. The tool can also be supplied for use with various global voltage connections, contact Victaulic for details.
- 3 phase requires tool power to be hard wired by a local certified electrician.
- Weight: 1120 lbs. | 508 kg



## Field Fabrication Cut Grooving Tools

### VG28GD (GEAR DRIVE)

[Download publication 24.01](#) for complete information

- Cut grooves 2–8" | DN50–DN200 pipe
- For grooving of Schedule 40 through 80 steel; stainless steel and aluminum pipe; Class 53 Min ductile iron
- VG28GD will produce a single OGS cut groove for unlined piping systems
- Designed to be driven by the Power Mule II
- Drive Requirements: External drive, min. 1½ hp | 1.12 kw
- Drive Speed: 38 rpm max.
- Weight: 37 lbs. | 17 kg



## Field Fabrication Cut Grooving Tools

### VG VIC-GROOVER

[Download publication 24.01](#) for complete information

- Cut grooves ¾–8" | DN20–DN200 pipe
- For grooving of Schedule 40 through 80 steel; stainless steel; aluminum and PVC pipe; Class 53 Min ductile iron
- Designed for manual or power cut grooving
- Supplied with a ratchet handle for manual operation
- Drive Requirements: Manual or external drive, min. ½ hp | 0.37 kw
- External power drives must meet all safety conditions
- Drive Speed: 40 rpm max.
- Weight: 28 lbs. | 13 kg



## Pipe Preparation Tools



### Vic-Press™ Tools

#### PFT510

[Download publication 24.01](#) for complete information

- Designed for securing *Vic-Press* Schedule 10S products onto Schedule 10S stainless steel pipe
- Tool package includes:
  - (1) PFT510 tool,
  - (2) 18V Lithium Ion batteries,
  - (1) battery charger,
  - (1) tool carrying case,
  - (1) jaw carrying case,
  - (1) each of jaws sized ½" | DN15, ¾" | DN20, 1" | DN25, 1½" | DN40, and 2" | DN50, and
  - (1) adapter jaw
- Not compatible with PFT505 and/or PFT509 tools/components
- Power Requirements: Battery pack 110volt, 60cycle, 6.5 amp (optional 220volt)
- Weight: 21 lbs. | 9.5 kg (PFT510 with 1" | DN25 jaw)

#### Certifications/Listings:



### Hole Cutting Tools

#### HCT908

[Download publication 24.01](#) for complete information

- One-piece hole cutting tool designed to cut holes up to 4½" | 120mm in carbon and stainless steel pipe; for pipe sizes up to 8" | DN200
- Allows use of *Mechanical-T*, *Vic-Let*, and *Vic-O-Well* outlets
- Power Requirements: 110 volt, single phase, 60 hertz, 7 amp
- Weight: 23 lbs. | 10 kg



## Hole Cutting Tools

VHCT900

[Download publication 24.01](#) for complete information

- Three-piece hole cutting tool designed to cut holes up to 3½" | 90 mm in diameter for *Mechanical-T*, *Vic-Let*, and *Vic-O-Well* outlets
- Base unit clamps quickly onto the pipe in vertical, horizontal or overhead positions
- Available extended chain for 10–24" | DN250–DN600 pipe
- Power Requirements: Grounded 120 volt, single phase, 60 hertz, 10 amp electrical supply (220 volt, single phase, 60 hertz, 5 amp available on request)
- Weight: 36 lbs. | 16 kg



## Hole Cutting Tools

VIC-TAP II

[Download publication 24.01](#) for complete information

- Hole cutting tool including Style 931 *Vic-Tap II Mechanical-T* unit for tapping into steel pipe systems under pressure up to 500 psi | 3447 kPa | 34 bar
- Hole size 2¾" | 60.5 mm
- Power Requirements: 115 volt, single phase, 60 hertz, 7.5 amp
- Weight:  
Drill guide base: 15 lbs. | 6.8 kg; Drill motor and feed assembly: 16 lbs. | 7.3 kg; Style 931 valve unit, 12–15 lbs. | 5.4–6.8 kg, depending upon size (4" | DN100, 5" | 141.3 mm, 6" | DN150 and 8" | DN200 available)
- Standard Capability: 4–8" | DN100–DN200  
Run outlet only × 2½" | 73.0 mm (IPS) Outlet

## Pipe Preparation Tools



### Tool Accessories

#### VPD752 POWER DRIVE

[Download publication 24.01](#) for complete information

- Can be used as the power drive unit for the VE226, VE26, VE206, VE46, VE416FS and VE272SFS roll grooving tools provided each tool is equipped with the correct base plate and the VG, VG28GD, and VG824 tools, with universal drive shaft
- Operated with a safety foot switch
- Power Requirements: 115 volts, 15 amp, 50/60 hertz (220 volt, 6 amp, 50/60 cycle option)
- Weight: 140 lbs. | 634 kg



### Tool Accessories

#### POWER MULE II

[Download publication 24.01](#) for complete information

- Ideal for driving individual Victaulic® cut grooving tools
- Heavy-duty, two wheeled unit drives Victaulic cut grooving tools at the speed/power necessary for accurate grooving
- Rotating head for horizontal and vertical applications
- Power Mule II equipped with forward-off-reverse control and integral safety foot switch
- Full load speed: 35 rpm
- Power Requirements: 115 volts, 15 amp, 50/60 cycle (220 volts optional)
- Weight: 190 lbs. | 86 kg



## Tool Accessories

### VAPS112 ADJUSTABLE PIPE STAND

[Download publication 24.01](#) for complete information

- Designed for supporting pipe to be roll grooved
- Turnstile design allows pipe to be spun around for grooving of both pipe ends without dismounting pipe from stand
- Forward/traverse movement
- Capacity:  $\frac{3}{4}$ –12" | DN20–DN300 pipe
- Load rating: 1,075 lbs. | 490 kg
- Vertical stroke: The legs adjust from 8½" | 216 mm to achieve table height of 23" | 584 mm
- Minimum pipe height from floor:  
23" | 584 mm on 12" | DN300 pipe and  
21" | 533 mm on 1" | DN25 pipe
- Weight: 190 lbs. | 86 kg