

# Cut Grooving Tool for CPVC/PVC Pipe

## Model CG1100



### 1.0 PRODUCT DESCRIPTION

**Grooving Capability:**

- 2 – 12"/DN50 – DN300

**Application:**

- Portable light weight field or shop fabrication tool
- Designed to provide a radius PGS-300 cut groove in Schedule 40-80 chlorinated polyvinyl chloride (CPVC) and polyvinyl chloride (PVC) pipe

**Performance:**

Tool Ratings — Maximum Pipe Size and Wall Thickness Capacity		Pipe Size inches DN							
Model	Pipe Material	2 50	2½	3 80	4 100	6 150	8 200	10 250	12 300
CG1100	CPVC/PVC	40 – 80							

### 2.0 CERTIFICATION/LISTINGS

**Manufactured by Victaulic Company**

Product designed and manufactured under Victaulic's Quality Management System, as certified by LPCB in accordance with ISO 9001:2008

### 3.0 SPECIFICATIONS

**Drive Requirements:** Self-contained

**Power Requirements:** 120VAC, 50/60HZ, 7A

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

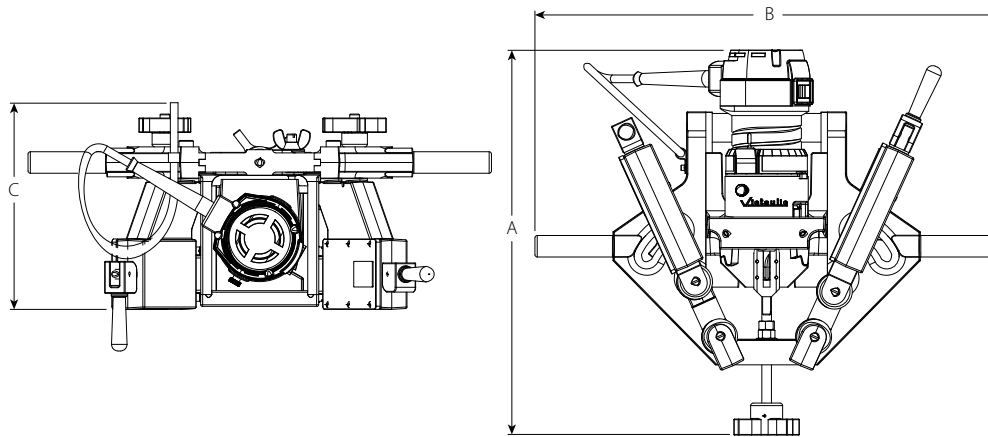
## 4.0 ACCESSORIES/COMPONENTS

- One (1) CG1100 Tool
- Two (2) Handles
- Two (2) Cutter Bits (2-4 inch)
- Two (2) Cutter Bits (6-12 inch)
- One (1) Alignment Block (2-4 inch)
- One (1) Alignment Block (6-12 inch)
- One (1) Flat-head Screwdriver
- One (1) 7/16 - inch Wrench
- One (1) 11/16 - inch Wrench
- Instructions Manual
- VAPS 12 or similar pipe stand recommended for pipe support. This pipe stand is not included with the CG1100 tool crate.

**NOTE**

- Cutter bits are a custom component and must be purchased through Victaulic.

## 5.0 DIMENSIONS



Dimensions			Weight
A Height inches mm	B Width inches mm	C Depth inches mm	Approximate (Each) lb kg
18.00 157.2	19.50 495.3	8.00 203.2	17 7.7

**NOTES**

- 15" of radial clearance and 8" of axial clearance are suggested in order to properly mount the tool onto the pipe, groove and remove.
- Tool weight varies depending on the arm sets. The 6 – 12" arms cause the tool to weigh 22 lbs/9.9 kg.

## 6.0 NOTIFICATIONS

### ⚠ WARNING



- Read and understand all instructions in the TM-CG1100 Operating and Maintenance Manual.
- Wear safety glasses, hard hat, foot protection, and hearing protection when working around the tool.
- To prevent accidental activation of the tool during transport and handling, **DO NOT** install the battery until instructed otherwise in the operating and maintenance manual.
- Do not substitute off-the-shelf square bits. Always use bits provided by Victaulic.
- Failure to follow these instructions will cause improper product assembly and joint failure, resulting in serious personal injury and property damage.
- The CG1100 uses a multi-blade cutting bit, which must be handled with care.
- The cutting bit may be hot after grooving. **DO NOT** handle the bit immediately after grooving.
- Do not leave the tool unsupported when it is mounted on the pipe.

Failure to follow all instructions and warnings could result in death or serious personal injury and property damage.

#### NOTE:

- Replacement router bits must be ordered from Victaulic. Commercially available router bits will not produce the groove with the proper radii which may lead to pipe joint failure.

## 7.0 REFERENCE MATERIALS

[25.18: Victaulic PGS-300 Cut Groove Specifications](#)

[33.03: Victaulic CPVC Fittings](#)

[33.06: Victaulic Installation-Ready™ Transition Coupling Style 356](#)

[33.07: Victaulic Installation-Ready™ Rigid Coupling Style 357](#)

[33.08: Victaulic Reducing Coupling Style 358](#)

[I-356: Victaulic Installation Instructions Style 356 Transition Coupling](#)

[I-357: Victaulic Installation Instructions Style 357 Rigid Coupling](#)

[I-358: Victaulic Installation Instructions Style 358 Reducing Coupling](#)

[I-GDC-PGS-300: Go/No-Go Groove Diameter Cable for Cut Grooved PVC and CPVC Pipe](#)

[TM-CG1100: Victaulic CG1100 Cut Grooving Tool Operating and Maintenance Instructions Manual](#)

#### User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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#### Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

#### Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at [www.victaulic.com](http://www.victaulic.com).

#### Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

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