

Cut Grooving – Field Motorized



VG412

VG412 Orbital Machining Tool

- Complete modular pipe end preparation system providing cutting and grooving of ductile iron pipe to meet AWWA and other industry specifications for mechanical couplings
- External mounting and drive action is designed for use on cement lined ductile iron pipe grooving
- The hinged frame design allows cutting at any point along the pipeline
- Blade setting and replacement is fast and easy
- Cut grooves 4 – 12"/DN100 – DN300 pipe
- Safety foot switch

Drive Requirements: 120 volt/11.5 amp

Shipped Set For: Rigid radius groove profile, 4 – 12"/DN100 – DN300 ductile iron pipe

Weight: 151 lbs./69 kg

Options: Capable of grooving 4 – 12"/DN100 – DN300 IPS steel for closure piece grooving only.

NOTE: Specifically designed for field closure pieces. Not suitable for production grooving.

VG412 Tool Capacity

Tool Ratings — Maximum Pipe Size and Wall Thickness Capacity

		Pipe Size (in mm)						
Model	Pipe Material	4 100	4½	5	6 150	8 200	10 250	12 300
VG412	Steel	Sch. 40 – 80 6.0 – 17.5 mm						
	Ductile Iron	Class 53 Min.						

Cut Grooving Tool for High Density Polyethylene (HDPE) Pipe

- The 3000 Series cut grooving tools are designed for grooving 8 – 36"/DN200 – DN900 HDPE (DR7 – DR21) pipe. The tool mounts on the exterior pipe wall and cuts and grooves the end of the pipe in a single operation.

Power Requirements:

- The CG3100 and CG3300 tools connect directly to a 120- volt, 50-60 Hz, 20-amp power source. An optional 220-volt single phase, 50-60 Hz model is also available.
- The CG3500 tool connects directly to a 220-volt single phase, 50-60 Hz, 20-amp power source.



CG3100

Tool Ratings — Maximum Pipe Size and Wall Thickness Capacity

		Pipe Size (in mm)													
Model	Pipe Material	8 200	10 250	12 300	14 350	16 400	18 450	20 500	22 550	24 600	26 650	28 700	30 750	32 800	36 900
CG3100/CG3101	HDPE	DR7 – DR21													
CG3300/CG3301									DR7 – DR21						
CG3500/CG3501									DR7 – DR21						

NOTE

- See [publication 24.06](#) for more details.

Certifications/Listings:

- Compliant with the Essential Safety Requirements of 2006/42/EC – EU Machinery Directive: