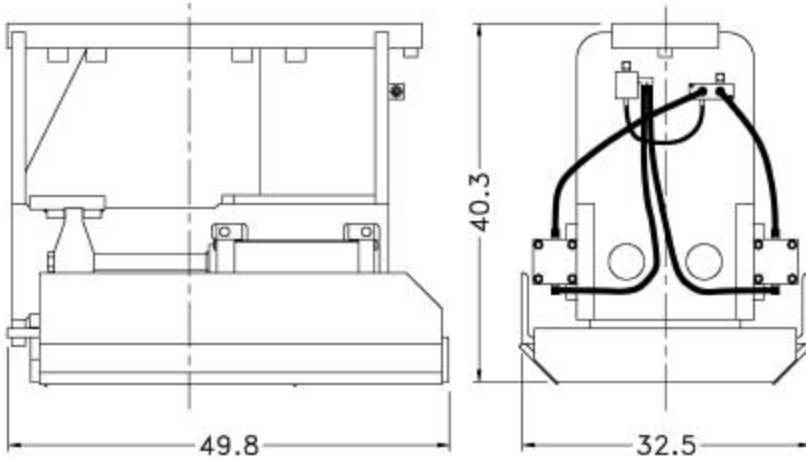
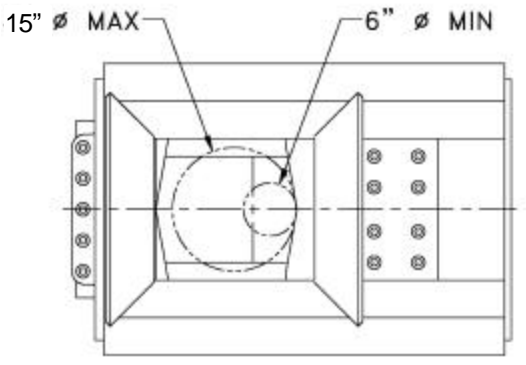


# The HMC Model C102 Wood Pile Clamp



**Built in America  
Building America**



## ENGINEERED FOR PERFORMANCE

- ◆ Open design allows easy access to mounting bolts, plus excellent visibility.
- ◆ Jaws guided by machined ways, won't side load cylinders.
- ◆ All guiding surfaces lubricated by protected grease fittings.
- ◆ Cylinders are rigid mounted on machined pads to resist vibration forces.
- ◆ Highest quality tie rod cylinders have special vibration resistant bearings, and are easily rebuildable.
- ◆ Compact design allows access to closely spaced piles.
- ◆ Extra heavy duty guard protects cylinders, cylinder rods and guiding surfaces.
- ◆ Safety locking valve protects personnel in the event of hose break.
- ◆ Hoses terminate at machined manifold.
- ◆ Tolerates dirt and debris, yet easily cleanable.
- ◆ Tapered guide / guard provides easy threading onto piles
- ◆ Mounting compatibility with HMC Models 13, 13H, 13X, 25, 25X and various competitive brands
- ◆ Made in the USA by the industry's most technologically innovative manufacturer of hydraulic vibratory pile drivers / extractors since 1974.

### Drive & Extract

**Wood Piles**

**Pipe Piles**

**Round Concrete**

**Composite Piles**

MODEL C102 WOOD PILE CLAMP	Specifications
Pile Diameter Range	6" to 15"
Clamp Force at 4500 PSI	45 Ton
Clamp Force at 2500 PSI	25 Ton
Dimensions (L x W x H)	49.8" x 32.5" x 40.3"
Weight	3200 Lbs.
Compatible HMC Vibro Models	13, 13H, 13X, 25, 25X

# HMC C102 WOOD PILE CLAMP



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Clamp Force (2500 PSI)-----	25 Ton
Weight-----	3200 Lb.
Dimensions (LWH)-----	49.8" x 33.0" x 40.5"
Compatible HMC Vibro-----	13, 13H, 13X, 25



## OTHER C102 FEATURES

1. Clamp rated for 6" dia. To 14" dia, but actual minimum opening is 16".
2. Clamp force = 45 tons.
3. Unlike the ICE design, this unit is fully open on the sides, with the exception of the 2" x 12" bars necessary to mount the clamp cylinders (2). This open construction gives excellent access for tightening the mounting bolts, and visibility for operator insertion onto piles. Other advantages include ease of cleaning and maintenance.
4. 2" x 12" bars to be machined top and bottom to provide smooth and accurate guiding of the moveable jaw assembly. Extra wide (2' thick) bearing surface to prevent premature wear of sliding, jaw guidance, surface.
5. Moveable jaw is split in the center to facilitate assembly into the clamp, and permit machining of critical dimensions. Fixed jaw vertical dimensions to be machined to insure minimum clearance to the 2' x 12" bars, insuring minimum vibratory impact and wear.
6. Moveable jaw half connected with 12 bolts to insure transfer of vertical vibratory loads.
7. Moveable jaw, vertical cross members are flame cut with additional "teeth" to enhance pile grip.
8. Grease fittings (4) to be included in moveable jaw to allow lubrication of sliding surfaces.
9. Cylinders are bolted solid to the 2" x 12" bars (not pin mounted) to eliminate cylinder side loads and seal failures.
10. Cylinders mounted to machined pads to insure perfect alignment.
11. Higher quality, tie rod type, cylinders used to insure longer life.
12. LH and RH cylinders interchangeable.
13. "Cross Head" length is accurately machined to same dimension as the 2" x 12" bars to eliminate vertical movement of rod end during vibration. Movement restricted by the machined moveable jaw.
14. Cross heads fit into a slots in the moveable jaw, thus eliminating any horizontal cylinder loads in the event that the moveable jaw becomes "cocked" (angled) when clamping pile.
15. Cylinder guard / Piling guide bolts onto clamp body with 12, 1" vertical bolts. No bolts in shear.
16. Guard protects cylinder, and cylinder rod, from contact with pile, but still allows access to fittings, etc.
17. Guard / Guide fabricated from extra heavy (.75" thick) angles and 1" plate.
18. Outside clamp dimensions are smaller than ICE 25.
19. Cylinder hoses terminate at a machined manifold.
20. Clamp mounted locking valve for safety.
21. Stiffener plate in fixed jaw is also flame cut with additional gripping teeth.
22. Should guide surfaces become damaged or worn, 2" x 12" bars and moveable jaw halves could be re-machined to repair clamp.
23. Clamp base drilled for HMC model 13, 13H, 13X and 25.