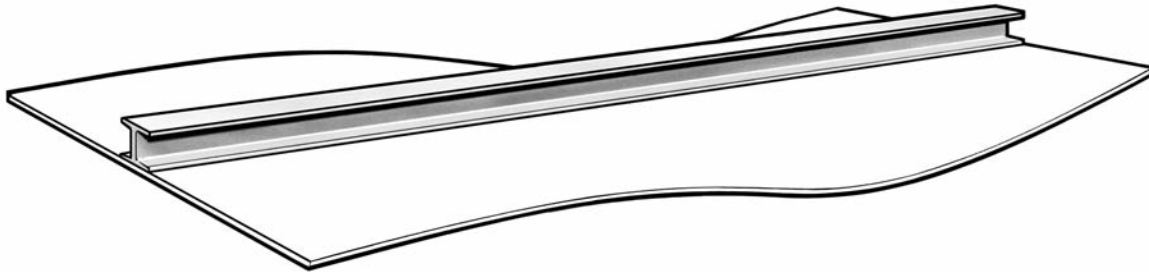


## Uniclamp™ Welding Hold Down Clamp

*WHAT IT DOES:*



**UNICLAMP™ ELIMINATES THE GAP BETWEEN THE PLATE AND THE STIFFENER!**

*That was then...*



This conventional setup can take up to two hours to complete. The process includes welding lugs, dogs and bridges in place - positioning awkward and heavy equipment - then removing these setups and cleaning up the attachment points.

*This is now...*



The Uniclamp™ takes less than 30 seconds to set up - increasing productivity, safety and quality.

*HOW IT WORKS:*

The simple connection of a standard plant-supplied compressed air line and the flick of a switch allows the clamp's built-in, high speed generator to create a powerful vacuum, permitting the vacuum pads to immediately attach themselves directly to the work surface. The clamp's manual screw or hydraulic ram can then be operated to instantly secure the proper alignment of parts.

UNICLAMPS™ will meet your clamping requirements without the tedious, time consuming and sometimes dangerous paraphernalia associated with traditional methods of fabrication assembly techniques. **NO MORE LUGS, DOGS, BRIDGES, WEDGES, CHAINS, JACKS, C-CLAMPS, TACK WELDS, OR REGRINDING REQUIRED!**

*UNICLAMPS™ Are Powered by Compressed Air and Leave No Marks!*

**NOTE: UNICLAMPS™ ARE NOT DESIGNED FOR LIFTING PURPOSES.**

## The Lightweights...

WHD-1 and WHD-2 models are constructed of a high-strength aluminum bringing lightweight portability to workpiece positioning and clamping.

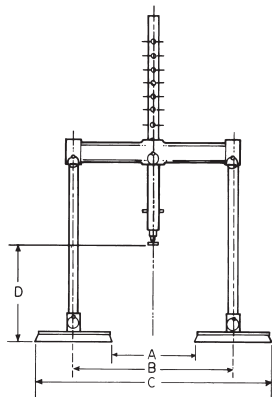
The UNICLAMPS™ have proved to be invaluable in transportation industry applications. These easy to position clamps are ideally suited for sheet and light plate fabrication. Lightweight UNICLAMPS™ are used to secure “skin” materials to ribbed structures at aircraft, aerospace, bus, trailer, and truck manufacturing facilities.



The WHD-1 and WHD-2 UNICLAMPS™ feature capacities up to 1,200 lbs with clamp weights not exceeding 18 lbs! Features include round or rectangular vacuum pads, varying headframe widths, and varying height under the ram to suit special requirements.



**QUICKSHIP PROGRAM**



### SPECIFICATIONS

Holding Force (lbs.)	D Height Under Ram (in.)	Dimensions (in.)								Estimated Weight (lbs.)
		Round Vacuum Pads				Rectangular Vacuum Pads (QuickShip not available)				
		Model No.	A	B	C	Model No.	A	B	C	
750	8-3/4	<b>WHD-1</b>	8-1/4	15-1/2	22-3/4	<b>WHD-1R</b>	12	15-1/2	19	15
1200	8-3/4	<b>WHD-2</b>	5-7/8	15-1/2	25-1/8	<b>WHD-2R</b>	12	15-1/2	19	20

**NOTE:** Weights and dimensions are approximate.

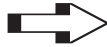
*UNICLAMPS™ Disassemble in Seconds Without Tools!*

**NOTE: UNICLAMPS™ ARE NOT DESIGNED FOR LIFTING PURPOSES.**

## The Middleweights...

Like their smaller counterparts, the UNICLAMP™ Models WHD-18, WHD-24, WHD-32 and WHD-40 are constructed of high-strength aluminum affording these clamps the identical advantage of reduced weight for heavier duty positioning and clamping requirements.

The clamp models are used extensively in aircraft, ship building, bridge construction, tank manufacturing and the steel fabrication industry. They excel whenever larger assemblies need to be drawn into alignment or held in position for a welding process.



The WHD-18 and WHD-24 UNICLAMP™ features include round or rectangular vacuum pads, varying headframe widths, and varying height under the ram to suit special requirements.



The WHD-32 and WHD-40 are available with round vacuum pads, varying headframe widths, and varying height under the ram to suit special requirements. The WHD-40 is available with rectangular vacuum pads.

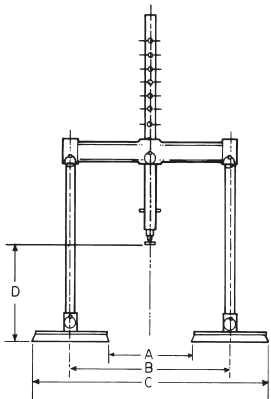


**QUICKSHIP PROGRAM**

### SPECIFICATIONS

Holding Force (lbs.)	D Height Under Ram (in.)	Dimensions (in.)								Estimated Weight (lbs.)
		Round Vacuum Pads				Rectangular Vacuum Pads (QuickShip not available)				
		Model No.	A	B	C	Model No.	A	B	C	
1800	15-3/4	<b>WHD-18</b>	13-3/4	24	34-1/4	<b>WHD-18R</b>	20	24	28	45
2400	15-3/4	<b>WHD-24</b>	12	24	36	<b>WHD-24R</b>	19	24	29	50
3200	15-3/4	<b>WHD-32</b>	10	24	38	--	--	--	--	--
4000	15-3/4	<b>WHD-40</b>	8	24	40	<b>WHD-40R</b>	15	24	33	60

NOTE: Weights and dimensions are approximate.



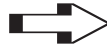
*Concave or Convex Surfaces, No Problem for UNICLAMPS™!*

**NOTE: UNICLAMPS™ ARE NOT DESIGNED FOR LIFTING PURPOSES.**

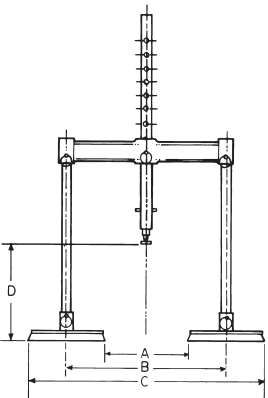
## The Heavyweights...

UNICLAMP™ Steel Constructed Models WHD-60, WHD-80 and WHD-100 answer industry's heaviest application requirements.

Used in ship building, heavy plate fabrication, plant construction, bridge building, and large tank fabrication, these clamps bring incredible amounts of clamping power to bear on the largest of fabrication application requirements. These easy-to-use, portable, high-speed clamps draw oversize materials into position for welding, assembly, or alignment procedures.



The WHD-60, WHD-80, and WHD-100 welding and fabrication clamps, boast holding force up to 10,000 lbs. with a venturi vacuum generator and a hydraulic powered ram as standard features. Vacuum pads in round, rectangular, or square are available to suit custom requirements.



### SPECIFICATIONS

Holding Force (lbs.)	D Height Under Ram (in.)	Dimensions (in.)								Estimated Weight (lbs.)
		Round Vacuum Pads				Rectangular Vacuum Pads (QuickShip not available)				
		Model No.	A	B	C	Model No.	A	B	C	
6000	24	WHD-60	19	37	56	WHD-60R	17	26	35	150
8000	24	WHD-80	14	37	60	WHD-80R	15	29	43	160
10000	24	WHD-100	12-1/2	37	64	WHD-100R	17	38	59	175

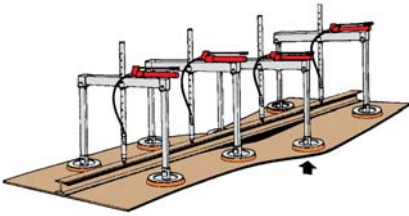
**NOTE:** Weights and dimensions are approximate.

*UNICLAMPS™ Work on Rough Textured or Uneven Surfaces!*

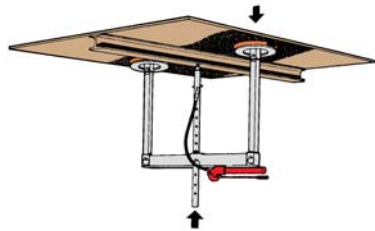
**NOTE: UNICLAMPS™ ARE NOT DESIGNED FOR LIFTING PURPOSES.**

## Uniclamp™ Applications

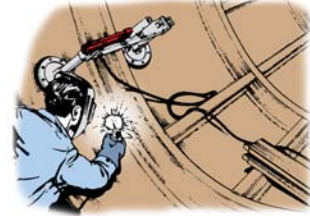
Whether work surfaces are angled, inclined, right angles, convex or concave, UNICLAMPS™ provide the best solution for your positioning and clamping needs.



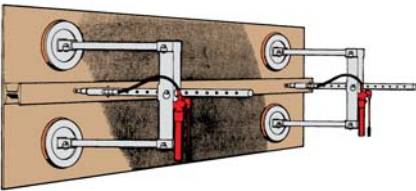
**GANG CLAMPS FOR LONG LOADS**



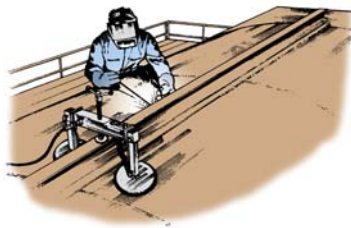
**OVERHEAD APPLICATION**



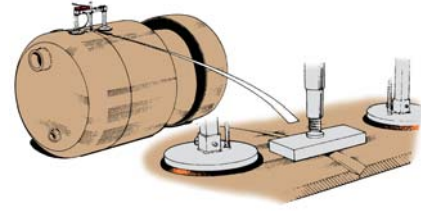
**CURVED SECTION WELDING**



**VERTICAL CLAMPING OF BEAM**



**SURFACE WELDING STIFFENER**



**ALIGNING CURVED SURFACES**

*Special Sizes and Designs Are Available  
for All UNICLAMPS™*

