



MACHINERY SERVICE & DESIGN, INC.
W232 N2960 ROUNDY CIRCLE WEST, SUITE 400
PEWAUKEE/WISCONSIN • 53072
PHONE: (262) 513-8040 • FAX: (262) 513-8044
Email: sales@ms-d.com web site: www.ms-d.com

HEAVY DUTY DISASSEMBLY FIXTURE

MSD-D-HD26



The Heavy Duty Disassembly / Assembly bench incorporates these features:

- *26.5 feet long and reinforced in the lower section*
- *Top rail is modified from 3/4" to 1-1/4" steel*
- *Full-length collector pan*
- *Two 40-gal. Drain pans*
- *Two heavy duty slide plates (MSD-HDSP)*

“NEW GENERATION OF AFFORDABLE HYDRAULIC REBUILDING EQUIPMENT”

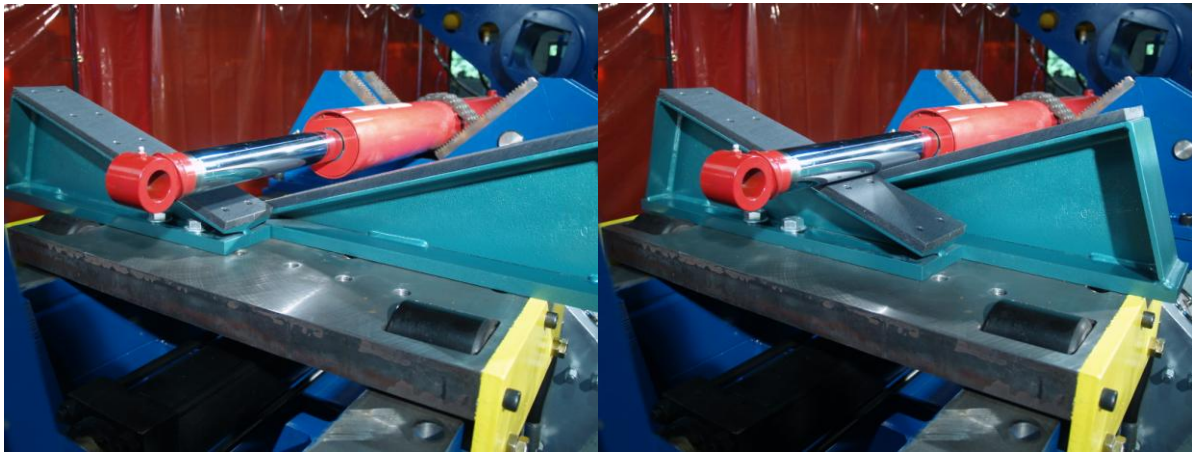


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MSD-VRP/Heavy Duty Vee Block Roller Plate

The vee block support plate is designed to support the cylinder shaft during removal and installation of the hydraulic cylinder shaft. It is supplied with a set of adjustable cylinder supports (MSD-ACSN).

The Vee block support plate is drilled and tapped to allow the user to adjust the supports to contact the cylinder shaft surface.



Open position.

Closed position

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(MSD-PAC-HD) Hydraulic Cylinder Assist

The hydraulic cylinder assist is a 4" bore hydraulic cylinder with 11.5 feet of stroke that generates 37,698 pounds of push at 3000 PSI for disassembly and 22,974 pounds of pull at 3000 PSI for assembly.

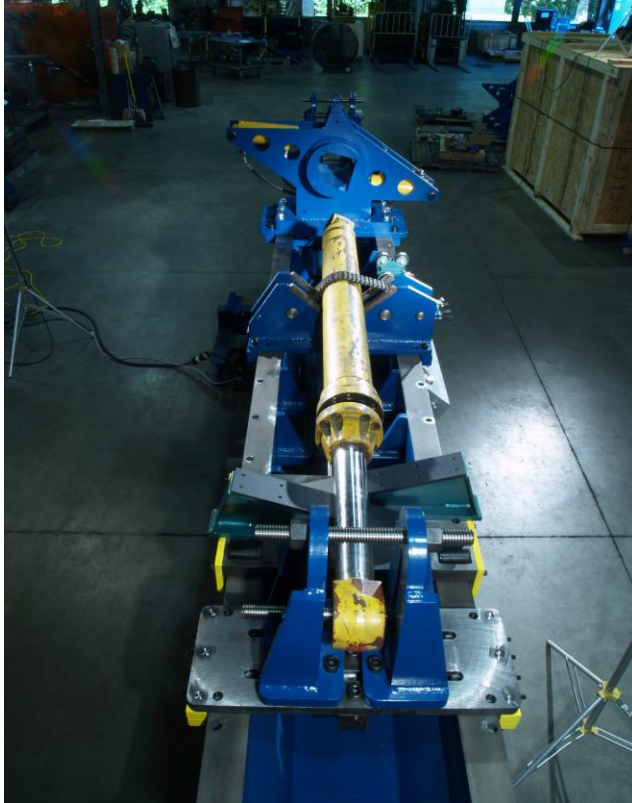
The assist cylinder is attached to the push- pull plate and the plate is provided with two vertical brace supports (MSD-BT 70/100) and equipped with UHMW bearings on the top side and bottom surfaces. Adjustment screws are installed to allow for adjustment of the UHMW bearings. The Brace Tool supports are adjustable with 1" tee nuts.



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Hydraulic cylinder assist set up

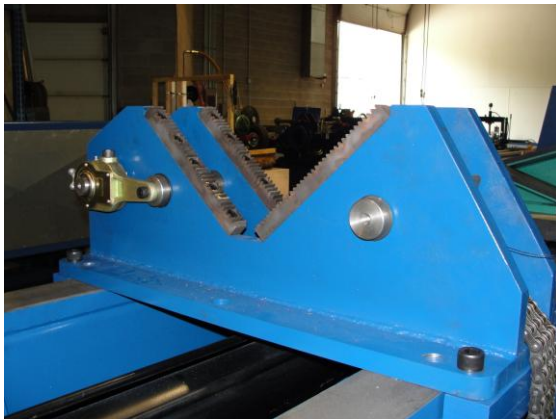
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(MSD-HDCV) 24" Heavy Duty Triple Row Chain Vise

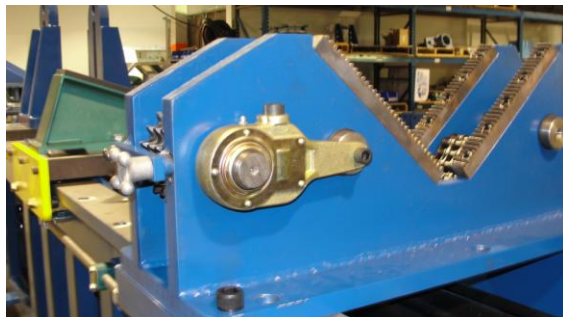
4" to 24" vise supplied with hardened serrated jaws and 10 ft. of triple-row #60 chain. Vise is equipped with truck slack adjusters to tighten the chain and three finger chain lock with quick release. The MSD-HDCV is designed to take rotational and pulling force.



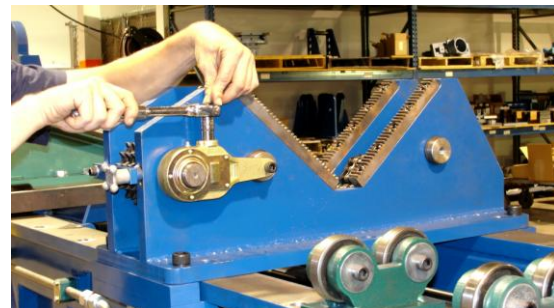
24" Heavy Duty Chain Vise.



Tension Strap.



Hardened Steel Jaws



Use a 9/16" Wrench to Tighten Chain

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(MSD-PBS) Pressure Boost System

The pressure booster is an air operated pump with pilot operated checks. The booster takes hydraulic oil from the system reservoir and will boost pressure to 5000 PSI. The pump and manifold are mounted on a steel plate that is mounted on one of the cross members of the machine frame. The steel plate also has a pressure relief valve to limit the pressure that the booster will generate. The air pump requires approximately 100 to 150 psi of air pressure. There is an air valve mounted to the control panel with a red ball on the handle.



Relief Valve

Manifold block

Air Operated pump

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