

National Hydraulic Swaging Machines



SEE APPLICATION AND WARNING INFORMATION

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National offers the highest quality and most complete line of Hydraulic Swaging Machines specifically designed to be used to swage fittings on wire rope.

**Three capacities to fit your requirements:
500 Tons • 1000 Tons • 1500 Tons**



1500 Ton Hydraulic Swaging Machines

Approximate weight 34,500 lbs. Overall height 8 ft. 6 in.

Fast advance and retract speed.

Automatic slow, precision swaging speed.

The following features of National Hydraulic Swaging Machines offer a number of advantages for high production sling shops:

- A dual hydraulic system which combines the use of high speed and low pressure to bring dies into position; and the low speed and high pressure necessary for ideal swaging control.
- Adjustable tonnage control, so tonnage can be set to match die block Working Load Limit.
- Four column wide stance which provides the operator ample working clearance between columns and a large area for in-process sling storage.
- Vertical swage action which gives an equalized press on the fitting to produce uniform high quality.
- Self locating spring locks snap the shoe-type dies into place for quick set-up and change.
- The National four column wide stance Hydraulic Swaging Machines, each equipped with an up-acting ram, have two side cylinders for fast approach and return of the main ram. They come in three swaging capacities.
 - 500 ton (4450 kN)
 - 1000 ton (8900 kN)
 - 1500 ton (13350 kN)

Swaging Machine Capacity Chart for Swage, Sleeves, Ferrules and Buttons

Hydraulic Swaging Machine Size	Swaging Method	Die Size (in.)	Largest Fitting Allowed to be Swaged (in.)			
			S-505 Sleeve	S-506 Sleeve	S-510 Ferrules	S-409 Buttons
500 Ton	Full Die	2-1/2 x 5 Mark Series 4 x 7 5 x 7	1-1/2	1-1/4*	9/16*	7/8*
1000 Ton	Full Die	4 x 7 5 x 7	2-1/2	1-1/4*	9/16*	1-1/4*
1500 Ton	Full Die	5 x 7 6 x 12	3-1/2	1-1/4*	9/16*	1-1/4*

* Largest size fitting available.

Swaging Machine Capacity Chart for S-501 and S-502 Swage Sockets

Hydraulic Swaging Machine Size	Swaging Method	Die Size (in.)	Largest Fitting Allowed to be Swaged (in.)
500 Ton	Full Shank	2-1/2 x 5 Mark Series 4 x 7 5 x 7	3/4
	Progressive	4 x 7 5 x 7	1-1/4
1000 Ton	Full Shank	4 x 7 5 x 7	1
	Progressive	4 x 7 5 x 7	1-1/2
1500 Ton	Full Shank	5 x 7 6 x 12	1-1/4
	Progressive	5 x 7 6 x 12	2

* Largest size fitting available.

NOTE: For special applications or conditions, contact Crosby National at (501) 982-3112.