

National Hydraulic Swaging Machines

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

3 Capacities to Fit your Requirements

500 Tons
1000 Tons
1500 Tons



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1500 Tonnes Hydraulic Swaging Machines
Approximate weight 15.6t. Overall height 2.6m.
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 & Buttons

Hydraulic Swaging Machine Size	Swaging Method	Die Size (in.)	Largest Fitting Allowed to be Swaged (mm)			
			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	38	32*	14*	22*
1000 Ton	Full Die	4 x 7 5 x 7	64	32*	14*	32*
1500 Ton	Full Die	5 x 7 6 x 12	89	32*	14*	32*
3000 Ton	Full Die	6 x 12	114	32*	14*	32*

* Largest size fitting available.

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

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

Hydraulic Swaging Machine Size	Swaging Method	Die Size (in.)	Largest Fitting Allowed to be Swaged (mm)
500 Ton	Full Shank	2-1/2 x 5 Mark Series 4 x 7 5 x 7	19
	Progressive	4 x 7 5 x 7	32
1000 Ton	Full Shank	4 x 7 5 x 7	26
	Progressive	4 x 7 5 x 7	38
1500 Ton	Full Shank	5 x 7 6 x 12	32
	Progressive	5 x 7 6 x 12	52
3000 Ton	Full Shank	6 x 12	52
	Progressive	6 x 12	52

* Largest size fitting available.