



**AIR OVER HYDRAULIC PUMP**

Air driven. Capable of delivering a maximum of 10,000 psi. A 20 gallon minimum tank size is recommended. A functional pressure regulator set at 100 psi maximum is required – **90 psi minimum to get swager to apply full force** – otherwise **Swaging Pump** may be damaged. Minimum 1/4" ID air hose with a 1/4" male pipe thread.

*Note: Should you experience any leakage during operation, discontinue use and contact Wagner.*

Hydraulic Pump **CRHP**



**ELECTRIC HYDRAULIC 120V PUMP**  
Increases swaging speed versus the **Air Over Hydraulic Pump**.

Electric Hydraulic Pump **CRHPE**



**CABLE TENSIONING GAUGE**

Check the tension on your **Cables** with this simple to use gauge.

Cable Size	Part #
1/8"	CRPTCR
3/16"	CRPTCR
1/4"	CRPTCR
1/4"	CRPT3
5/16"	CRPT3
3/8"	CRPT3

**STAINLESS STEEL CLEANER AND PROTECTANT**

Dissolves minor corrosion, then leaves a protective coating that lasts for months. Includes an 8-oz. spray-on rust and stain remover and a 4-oz. bottle of protectant.



Stainless Steel Cleaner **CREZCLEAN**



**JAWED PLIERS WITH PRE-TENSIONER**

When tensioning, grip **Cable** with special **Jawed Pliers** to prevent damage to the **Cable**. **Pre-Tensioner** can be used when installing longer runs of **Invisiware®** since it may have a minimum take-up.

Pre-tensioner with Pliers	Part #
For 1/8" Cable	CRPTP4
For 3/16" Cable	CRPTP6
For 1/4" Cable	CRPTP8
Jawed Pliers	CRJP

**SWAGER / INSTALLATION EQUIPMENT AND TOOL RENTALS**

You can rent the equipment and tools needed to cut the **Cables** and swage the fittings in the field. The standard rental package includes: **Model 610 or 650 Swager, Air Over Hydraulic Pump, Cable Gripping Pliers, Cable Cutter, Radius Ferrule/Clip-on Stop Gauge, Grommet Tool Set, Allen Wrench, Safety Glasses, and Tool Box, Pre-tensioner** (included upon request).

You will need to provide an air compressor capable of delivering at least 5.8 c.f.m. at 90 p.s.i. and a minimum 20-gallon tank. Minimum 1/4" I.D. air hose with a 1/4" male pipe thread required (not included).



Nenglaur • Plant 2



**CABLE RELEASE**

Releases **Cable** from **Push-Lock™** and **Pull-Lock™** type fittings before **Cables** are tensioned.

Cable Release **CRPLKEY**



Use with 3/8" socket

**HANGER BOLT DRIVER**

Use to install **Adjust-A-Body®** with Hanger Bolt tensioners. Makes driving hanger bolts fast and easy. Hanger Bolt not included.

Cable Size	Part #
1/8"	CRDRIVERHB6N
3/16"	CRDRIVERHB6N



Use with 1/2" drill

Cable Size	Part #
1/8"	CRDRIVERHB6LG*
3/16"	CRDRIVERHB6LG*
1/4"	CRDRIVERHB8LG*

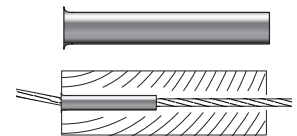
\*Use for large Jobs



**CUT-OFF TOOL**

Used to cut **Cable** flush with the end of **Pull-Lock™** fittings, and to cut excess threads off stud-type tensioners. Includes mandrel and two cut-off wheels.

Cut-Off Tool **CRCUTOFFKIT**



**STAINLESS STEEL POST PROTECTOR TUBE**

The post protector tube is inserted into a wood post where the **Cable** enters/exits the post at an angle to keep the cable from biting into the wood.

Stainless Steel  
Post Protector Tube **CRPPT**

WAGNER RAIL SYSTEM

GLASS RAILING

CABLE RAILING

SPIRAL STAIRS BALCONIES

ALUMINUM RAILINGS

BRASS / SS FITTINGS