



Hydraulic Powered
foundry wedges
spreaders
cutters
pumps

Holmatro® Users Worldwide



Holmatro® Specialty Products

Established in 1967, Holmatro started out as a supplier of high-pressure hydraulic equipment for the ship building industry. Soon however, many other customer groups such as heavy transport, building and construction, maintenance and heavy industry were being served by Holmatro. In the early seventies we started manufacturing in our own right, and quickly began supplying Holmatro products to customers around the world. Today, Holmatro is one of the largest manufacturers of hydraulic industrial, rescue and marine products and operates out of three manufacturing facilities located in the USA, The Netherlands and Poland.



Glen Burnie, Maryland USA



Raamsdonksveer, The Netherlands



Warsaw, Poland

Innovation, quality and service are key elements in the Holmatro philosophy. As experts in the field of high-pressure hydraulics, we are constantly developing new hydraulic solutions for a wide range of applications. While our products often meet or exceed international standards, they are always developed, manufactured and tested according to the highest standard we know, our own. With our in-house experience and expertise, our ability to offer our customers expert advice on tools and applications is second to none. In addition, Holmatro has been ISO certified since 1992, and is currently certified to ISO 9001:2000. Skilled and motivated personnel are of crucial importance in achieving our quality targets. For this reason Holmatro gives a great deal of attention to both regular training for personnel and the work environment in the offices and production areas.

Holmatro's business operations range from the initial research phases before a tool is developed, up to and including servicing and certification of tools already in use. Our experience has taught us that only in-house research and development, by our own team of engineers, can provide the technical expertise needed to offer adequate solutions. Ultra-modern production facilities with completely integrated automatic production cells ensure that our products meet the high standards we set.



Holmatro USA - Recently expanded assembly operations at our Glen Burnie, MD headquarters.

Holmatro's vast experience and R & D capabilities have allowed us to become the pre-eminent specialist in the development of cutting and spreading solutions. While our industrial equipment product line consists of a wide range of lifting, bending, cutting, pulling and spreading tools, this catalog focuses on our range of specialty products currently available in North America. While the mobile products offer light weight portable capabilities, our range of stationary hydraulic products have been purposefully designed and tested for extended use under the most difficult circumstances.

As a manufacturer with over 40 years of experience, Holmatro is one of the world's leading companies in the field of hydraulic cutting and spreading applications. Our vast experience and R & D capabilities have allowed us to become the preeminent specialist in the development of cutting and spreading solutions. This is what has made our new line of mobile and stationary cutters possible - a line which has been purposefully designed and tested for extended use under the most difficult circumstances. This brochure provides an overview of our complete range of specialty cutting and spreading tools - solutions for almost any application you can imagine.



Ergonomics

During the development of the Holmatro stationary industrial cutters, our principal focus was on the ergonomics of the tool. Our engineers created a balancing and suspension system that allows the tool to rotate in any direction and at any angle, giving the user the ability to quickly and easily cut material in any position. Ease of use equals less physical demands on the user and therefore more productivity.



An answer to your needs

The typical industrial cutter set consists of a cutter, pump, and connecting hose (picture shows a stationary cutter with pump). However, we realize that every application will not be the same. That is why we offer a wide variety of pumps and cutters to suit your needs.

Stationary Cutter Features

User-Friendly and Ergonomic

- Stationary cutters are designed with a unique rotary handle and push button control that makes operation as well as the positioning of the tool at any angle and position easy for the user.

Operation

- The speed and mobility of the tools provide excellent efficiency.
- Extremely powerful with cutting capacities of up to 30 tons.

Versatile

- Various blade types available to suit your needs.
- Interchangeable blades.

Safe

- Equipped with a dead man's function.
- Protective covering over all moving parts.

Durable and Reliable

- Each tool has been specially developed for industrial purposes.
- All tools are put through rigorous testing to provide the safest tools possible.



Easy to use, safe to operate

Along with being extremely user friendly, Holmatro® cutters are outstanding in their operational safety.

Attributes such as the dead man's function and covering of all moving parts greatly enhance operator safety.



Quick and simple exchange of blades

Not only are the Holmatro® Industrial cutter blades durable, they are also easy to change giving you a wider range of applications.

Hydraulic Stationary Cutters



model ICU 20 S 10



1. **S 10** blade with special blade guide for cutting cables up to 4.5 in (115 mm) in diameter. Applications: telephone cables, ground cables, electric cables, aluminum, copper. etc.



2. **S 20** blade for general use. Applications: rod material, risers, tube profiles, vehicle recycling and demolition, frames, wood, fuel pipes, smaller cables.



3. **S 30** blade for general use, heavier duty. Applications: rod material, risers, tube profiles, vehicle recycling and demolition, frames, wood, fuel pipes, smaller cables.



4. **S 40** blade with cutting teeth and a spreading function. Applications: steel plate, strip material, recycling of refrigerators and other appliances, tube profiles.

- User-Friendly and Ergonomic**
 - Stationary cutters are designed with a unique rotary handle and push button control that makes operation, as well as the positioning of the tool, easy for any user
- Operation**
 - The speed and mobility of the tools provide excellent efficiency.
 - Extremely powerful with cutting capacities of up to 33 tons.
- Versatile**
 - Various blade types available to suit your needs.
 - Interchangeable blades.
- Safe**
 - Equipped with a dead man's function.
 - Protective covering over all moving parts.
- Durable and Reliable**
 - Each tool has been specially developed for industrial purposes.
 - All tools are put through rigorous testing to provide the safest tools possible.

Please contact Holmatro with any question concerning the right blade for your field of work

Hydraulic stationary cutters										
stationary cutters	max working pressure*		blade opening		max. cutting force (@ 7,250 psi)		weight ready for use		dimensions (L x W x H)	
	psi	bar	in	mm	lbs	ton	lbs	kg	in	mm
1. ICU 20 S 10	7,250 - 10,500	500 - 700	4.5	115	39,700	19.9	61.6	28.0	29 x 9 x 7	736 x 230 x 177
2. ICU 20 S 20	7,250 - 10,500	500 - 700	5.5	140	51,900	25.9	57.6	26.2	29 x 9 x 7	736 x 230 x 177
3. ICU 20 S 30	7,250 - 10,500	500 - 700	5.6	144	39,700	19.9	58.3	26.5	29 x 9 x 7	736 x 230 x 177
4. ICU 20 S 40	7,250 - 10,500	500 - 700	12.0	306	59,100	29.5	57.9	26.3	29 x 9 x 7	736 x 230 x 177

* factory set based on application

Hydraulic Mobile Cutters



model ICU 10 A 20



1. **A 10** blade with special blade guide for cutting cables up to 4.5 in (115 mm) in diameter. Applications: telephone cables, ground cables, electric cables, etc.



2. **A 20** blade for general use. Applications: rod material, risers, tube profiles, vehicle recycling and demolition, frames, wood, fuel pipes, smaller cables.



3. **A 30** blade for general use, heavier duty. Applications: rod material, risers, tube profiles, vehicle recycling and demolition, frames, wood, fuel pipes, smaller cables.



4. **A 40** blade with cutting teeth and a spreading function. Applications: steel plate, strip material, recycling of refrigerators and other appliances, tube profiles.

User-Friendly and Ergonomic

- Mobile cutters are lightweight, easy to use, and designed with a dead man's handle for easy operation and user friendliness.

Operation

- The speed and mobility of the tools provide excellent efficiency.
- Extremely powerful with cutting capacities of up to 33 tons.

Versatile

- Various blade types available to suit your needs.
- Interchangeable blades.

Safe

- Equipped with a dead man's function.
- Protective covering over all moving parts.

Durable and Reliable

- Each tool has been specially developed for industrial purposes.
- All tools are put through rigorous testing to provide the safest tools possible.

Please contact Holmatro with any question concerning the right blade for your field of work

Hydraulic mobile cutters

mobile cutters	max working pressure*		blade opening		max. cutting force (@ 7,250 psi)		weight ready for use		dimensions (L x W x H)	
	psi	bar	in	mm	lbs	ton	lbs	kg	in	mm
1. ICU 10 A 10	7,250 - 10,500	500 - 720	4.5	115	39,700	19.9	37.2	16.9	29 x 9 x 7	736 x 230 x 177
2. ICU 10 A 20	7,250 - 10,500	500 - 720	5.5	140	51,900	25.9	33.7	15.3	29 x 9 x 7	736 x 230 x 177
3. ICU 10 A 30	7,250 - 10,500	500 - 720	5.6	144	39,700	19.9	34.1	15.5	29 x 9 x 7	736 x 230 x 177
4. ICU 10 A 40	7,250 - 10,500	500 - 720	12.0	306	59,100	29.5	33.4	15.2	29 x 9 x 7	736 x 230 x 177

* factory set based on application

Hydraulic Mobile Cutters



Hydraulic mobile cutters										
model	max working pressure		blade opening		max. cutting force		weight ready for use		dimensions (L x W x H)	
	psi	bar	in	mm	lbs	kN	lbs	kg	in	mm
ICU 5 A 70	10,500	720	5 3/4	146	56,920	253	21	9.5	27 3/16 x 8 1/16 x 6 7/16	691 x 205 x 163
ICU 4050	10,500	720	7 1/8	181	208,000	927	40.5	18.4	32 1/2 x 10 1/4 x 7 1/2	828 x 261 x 191



Hydraulic Wire Cutters



HWC 16 U Cable Cutter



HWC 32 U Cable Cutter



Features

- safer than torch or grinder
- compact, lightweight
- fast and reliable
- can be used in a wide variety of positions
- hardened blade can be resharpened

Cable cutters for steel cables									
cable cutters for steel cables	capacity		max. jaw opening	capacity steel cable 6 x 19	capacity solid steel	capacity ground cable	weight		recommended pump
	lbs	tons	∅ in	∅ in	∅ in	∅ in	lb	kg	model
HWC 16 U	12,200	6.0	0.78	0.63	0.50	0.78	5.0	2.0	HTW 700 B
HWC 20 U	34,372	17.2	1.96	0.78	0.75	1.96	18.7	8.5	HTW 700 B
HWC 32 U	58,785	29.3	1.25	1.25	1.00	1.25	16.5	7.5	HTW 700 B

Hydraulic Cable Cutters



HCC 85 U Cable Cutter



HCC 100 U Cable Cutter



HCC 150 U Cable Cutter

Features

- safer than torch or grinder
- compact, lightweight
- fast and reliable
- can be used in a wide variety of positions
- hardened blade can be resharpened

Cable cutters for electric and telephone cables									
electric and telephone cable cutters	capacity		max. jaw opening	capacity ground cable	capacity telephone cable	weight		recommended pump	
	lbs	tons	∅ in	∅ in	∅ in	lb	kg	model	
HCC 85 U	11,442	5.7	3.34	1.96	3.35	13.6	6.2	HTW 700 B	
HCC 100 U	20,344	10.1	3.94	2.95	3.94	27.5	12.5	HTW 700 B	
HCC 150 U	45,769	22.9	5.90	5.51	5.90	54.8	24.9	HTW 1800 B + M 321	

Catalytic Converter Cutter



model ICU 3022

Cutter for catalytic converters	
model	ICU 3022
max working pressure	7,250 psi (500 bar)
blade opening	5 ¼ in (134 mm)
max. cutting force	44,380 lbs (197 kN)
weight ready for use	27.5 lbs (12.5 kg)
dimensions (L x W x H)	30 ¼ x 8 ¾ x 7 in (769 x 222 x 178 mm)



Stationary Pump Units



Features

- ☞ high operating speed
- ☞ safe: the oil pressure is maintained if the power source fails
- ☞ safe: pressure-controlled non-return valve protects against drop in pressure
- ☞ numerous models available to suit most needs and applications, electric-powered (230V-60Hz-1ph or 480V-60Hz-3ph)
- ☞ 2-stage
- ☞ output levels from 0.15 to 1.3 gal/min (0.6 to 5 liters per minute)
- ☞ oil contents from 6.6 to 13.2 gal (6 to 50 liters)



Stationary Pump Units														
model	working pressure		drive	pump type	capacity oil tank		output <2,900 psi <200 bar		output >2,900 psi >200 bar		weight ready for use		dimensions	
	psi	bar			gal	liters	gal/min	l/min	gal/min	l/min	lbs	kg	in	mm
IPU 12 W 25 E	7,250	500	Electric 2hp-230V-60Hz-1Ph	2-stage radial pump	6.6	25	0.8	3.2	0.3	1.2	141	64	19.7 x 15 x 30.3	500 x 380 x 770
IPU 12 W 50 E	7,250	500	Electric 2hp-230V-60Hz-1Ph	2-stage radial pump	13.2	50	0.8	3.2	0.3	1.2	207	94	19.7 x 15 x 35.6	500 x 380 x 905
IPU 18 W 25 E	7,250	500	Electric 3hp-230V-60Hz-3Ph	2-stage radial pump	6.6	25	1.32	5.0	0.5	1.8	145	66	19.7 x 15 x 30.3	500 x 380 x 770
IPU 18 W 50 E	7,250	500	Electric 3hp-230V-60Hz-3Ph	2-stage radial pump	13.2	50	1.32	5.0	0.5	1.8	211	96	19.7 x 15 x 35.6	500 x 380 x 905

The Holmatro® HFW hydraulic foundry wedge series has been developed to remove feeders and risers from castings and to eliminate this heavy and dangerous work from foundries. The design of the Holmatro® foundry wedge is such that feeders and risers can be removed from castings much more quickly and safely, and with less effort than ever before, without damaging the casting itself.



Ergonomics

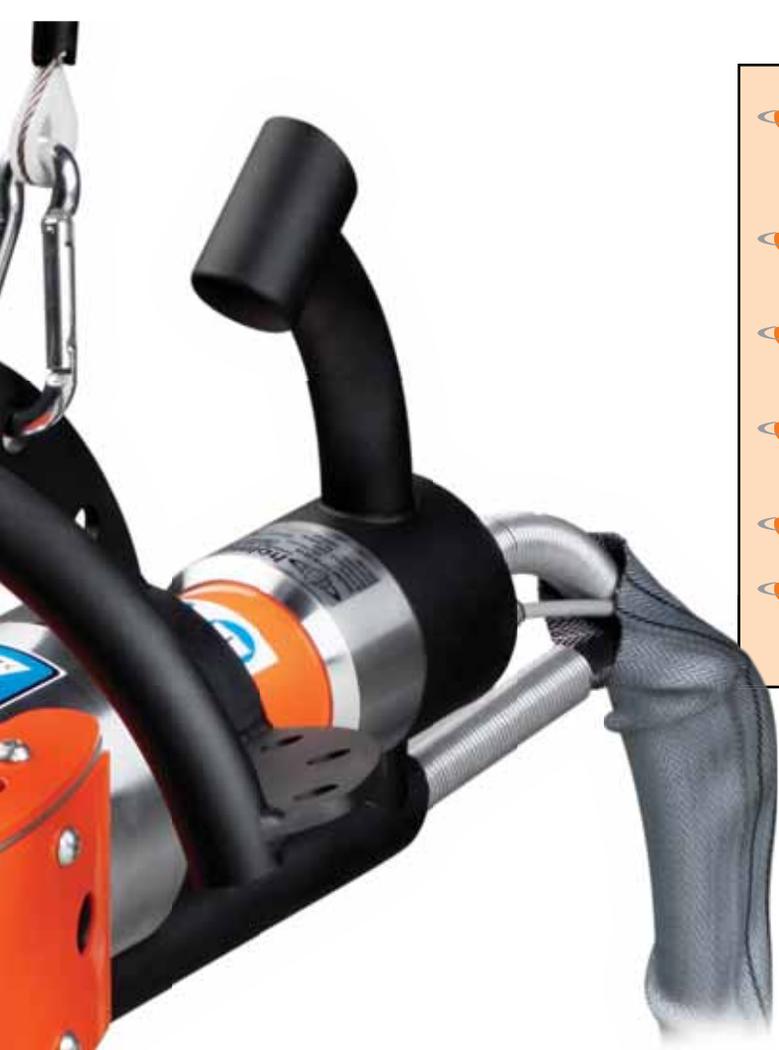
During the design stage of the Holmatro® HFW foundry wedge, one of the aspects given emphasis by our engineers was the tool's ergonomics. They came up with a new concept: a tool that is able to rotate in every direction and under every angle! This means the operator can reach almost any feeder and riser without adjusting the position of the actual product, the casting. This obviously results in a more efficient production process. Last, but not least, the ergonomic design also significantly reduces the physical burden on your work force.



Quick and easy replacement of wedge blades

The wedge blades of the Holmatro® foundry wedge are not only durable, they can also be replaced very quickly. No outside tools are needed, only a few simple operations are sufficient to replace the blades in **30 seconds!**





Features

- ▶ **User-Friendly**
 - The tool is highly maneuverable for optimal positioning; as a result, castings do not have to be repositioned and unnecessary heavy handling is avoided.
- ▶ **Fast**
 - A high number of spreading cycles per minute allows for a high operation speed.
- ▶ **Safe**
 - Focused application of force.
 - Protective boot over moving parts.
- ▶ **Easy to use**
 - Special grip allows for operation with one hand.
 - Compact and easy to handle.
- ▶ **Easy to maintain**
 - Wedge blades are durable and can be removed easily within 30 seconds.
- ▶ **Reliable**
 - A minimum of moving parts guarantees minimal maintenance.



In a typical foundry, the Holmatro® foundry wedge is suspended from a balancer and attached to a small electric hoist. The hoist is mounted under a movable cross beam to provide maximum flexibility over the conveyor belt.



A foundry wedge solution for your needs
 A typical Holmatro® foundry wedge set consists of a foundry wedge and a pump. We understand that every foundry has its own specific needs. We therefore supply a range of tool models and pump models to suit every requirement.

Foundry Wedges



HFW 926

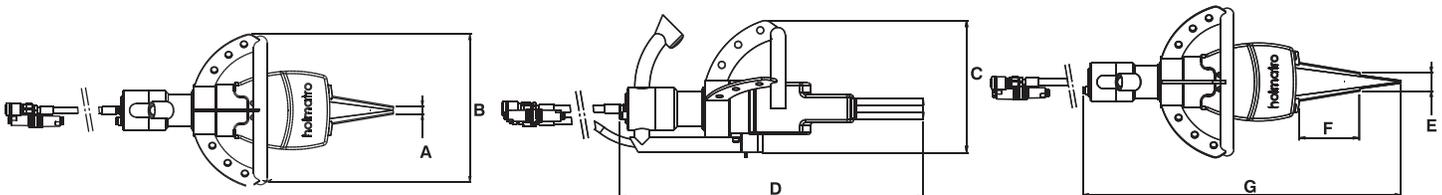


Riser size indication	
casting material	HFW 926
gray iron	1.2 x 1.2" (30 x 30 mm)
ductile	0.8 x 0.6" (20 x 15 mm)

Hydraulic foundry wedges	
	HFW 926
breaking force	9.7 ton (86 kN)
wedge angle	19.6°
wedge travel	1" (26 mm)
effective spreading	1" (26 mm)
weight	43.21 lb (19.6 kg)
dimensions (L x W x H)	18 3/4 x 6 1/8 x 12 1/8" (475 x 156 x 308 mm)
working pressure	2,900 psi (200 bar)
A	0.375" (10 mm)
B	6.14" (156 mm)
C	11.85" (301 mm)
D	18.75" (475 mm)
E	3" (76 mm)
F	1" (26 mm)
G	21" (533 mm)

Features

-  **User-Friendly**
 - The tool is highly maneuverable for optimal positioning; as a result, castings do not have to be repositioned and unnecessary heavy handling is avoided.
-  **Fast**
 - A high number of spreading cycles per minute allows for a high operation speed.
-  **Safe**
 - Focused application of force.
 - Protective boot over moving parts.
-  **Easy to use**
 - Special grip allows for operation with one hand.
 - Compact and easy to handle.
-  **Easy to maintain**
 - Wedge blades are durable and can be removed easily within 30 seconds.
-  **Reliable**
 - A minimum of moving parts guarantees minimal maintenance.



Foundry Wedges



HFW 1226



HFW 1518

Features

- ▶ **User-Friendly**
 - The tool is highly maneuverable for optimal positioning; as a result, castings do not have to be repositioned and unnecessary heavy handling is avoided.
- ▶ **Powerful**
 - Powerful enough to break off almost any feeder or riser.
- ▶ **Fast**
 - A high number of spreading cycles per minute allows for a high operation speed.
- ▶ **Safe**
 - Focused application of force.
 - Protective boot over moving parts.
- ▶ **Easy to use**
 - A simple push button activates the pump unit.
- ▶ **Easy to maintain**
 - Wedge blades are durable and can be easily changed.
- ▶ **Reliable**
 - A minimum of moving parts guarantees minimal maintenance.

Riser size indication

casting material	HFW 1226	HFW 1518
gray iron	1.6 x 1.2" (40 x 30 mm)	2.0 x 1.6" (50 x 40 mm)
ductile	0.8 x 0.8" (20 x 20 mm)	1.2 x 1.2" (30 x 30 mm)

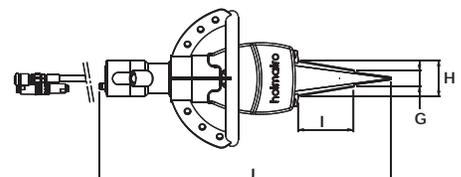
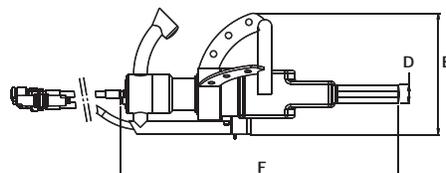
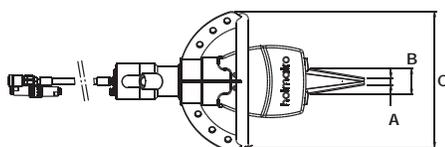
If you have other riser types or sizes or if you would like to receive information about other Holmatro® foundry wedge models, please contact Holmatro®.



Full 180° rotation, quick and no heavy handling

Hydraulic foundry wedges

	HFW 1126	HFW 1518
breaking force	13.5 ton (120 kN)	16.9 ton (150 kN)
wedge angle	15°	10°
wedge travel	4" (100 mm)	4" (100 mm)
effective spreading	1" (26mm)	0.70" (18 mm)
weight	70.4 lb (32 kg)	82.5 lb (37.5 kg)
dimensions (L x W x H)	25 3/4 x 14 1/4 x 11 7/8" (657 x 362 x 301 mm)	30 5/8 x 14 1/4 x 11 7/8" (778 x 362 x 301 mm)
working pressure	2,900 (200 bar)	2,900 (200 bar)
min. spreading (A)	0.70" (18 mm)	0.83" (21 mm)
B	2.36" (60 mm)	3.23" (82 mm)
C	14.25" (362 mm)	14.25" (362 mm)
D	1.73" (44 mm)	1.73" (44 mm)
E	11.85" (301 mm)	11.85" (301 mm)
F	25.86" (657 mm)	30.63" (778 mm)
G	1.73" (44 mm)	1.54" (39 mm)
H	3.62" (92 mm)	4" (100 mm)
I	5.12" (130 mm)	9.80" (249 mm)
J	29.80" (757 mm)	34.57" (878 mm)



Foundry Wedges

HFW 2426



HFW 3018



Safe: both hands are required for use.

Riser size indication

casting material	HFW 2426	HFW 3018
gray iron	2.8 x 2.0" (70 x 50 mm)	3.2 x 2.0" (80 x 50 mm)
ductile	2.0 x 1.2" (50 x 30 mm)	2.4 x 1.6" (60 x 40 mm)

Hydraulic foundry wedges

	HFW 2426	HFW 3018
breaking force	27.2 ton (242 kN)	33.7 ton (300 kN)
wedge angle	15°	10°
wedge travel	4" (100 mm)	4" (100 mm)
effective spreading	1" (26 mm)	0.70" (18 mm)
weight	88 lb (40 kg)	99 lb (45 kg)
dimensions (L x W x H)	25 3/4 x 14 1/4 x 11 7/8" (657 x 362 x 301 mm)	31 1/16 x 14 1/4 x 11 7/8" (789 x 362 x 301 mm)
working pressure	2,900 psi (200 bar)	2,900 psi (200 bar)
min. spreading (A)	1.18" (30 mm)	1.18" (30 mm)
B	3.07" (78 mm)	4.96" (126 mm)
C	14.25" (362 mm)	14.25" (362 mm)
D	1.97" (50 mm)	1.97" (50 mm)
E	11.85" (301 mm)	11.85" (301 mm)
F	25.87" (657 mm)	31.06" (789 mm)
G	2.20" (56 mm)	1.89" (48 mm)
H	4.09" (104 mm)	5.67" (144 mm)
I	5.12" (130 mm)	10.95" (278 mm)
J	29.80" (757 mm)	35" (889 mm)

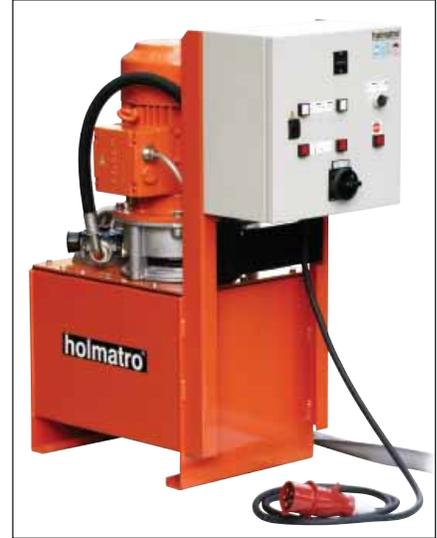


Holmatro® foundry wedges come standard with a maintenance kit.



Easy to use.

Foundry Wedge Pump Units



Foundry wedge set consisting of wedge model HFW 1518 and pump 200 S 50 FN.



200 S 50 FN

Features

- ▶ **High flow rate**
 - High working speed for an efficient production process.
- ▶ **Air-cooled**
 - Pump can be used in a hot environment.
- ▶ **Easy to operate**
 - All functions are combined and conveniently arranged on one control panel.
- ▶ **Standard service function**
 - No time is lost when servicing the wedge. The tool does not need to be disconnected.

Hydraulic pump for wedges

	200 S 50 FN
working pressure	2,900 psi (200 bar)
output	5.52 gal/min (20.88 liter/min)
oil content	13.2 gal (50 liter)
power	10 hp (7.5 kW)
speed	1450 rpm
electric specifications	460 V, 60 Hz, 3 ph
weight (incl. oil)	418 lb (190 kg)
dimensions	31.5 x 22.8 x 36.6" (800 x 500 x 980 mm)



IPU 2035 PH

Mobile Pump Units - Single Tool Operation

Features - IPU 2035

-  lightweight, compact pumps
-  2-stage pumps for faster working speed
-  4 stroke gasoline engine
-  reliable Honda® power or electric
-  available with continuous duty electric motors

Mobile Pump Units - Single Tool Operation

Model	output				contents of oil tank		drive	weight ready for use		dimensions (L x W x H)	
	1st stage		2nd stage								
	in ³ /min	cm ³ /min	in ³ /min	cm ³ /min	qts	liters		lbs	kg	in	mm
IPU 2035 PH	146	2400	43	700	2.1	2	Honda 4 stroke 3 hp gasoline engine	60.0	27	17.4 x 13.9 x 18.5	442 x 353 x 470
IPU 2035 E 115V	139	2270	35	574	2.1	2	Electric Motor 115V, 1.5 hp 60 Hz	74.5	34	19.5 x 14.4 x 15.6	496 x 366 x 397
IPU 2035 E 230V	139	2270	35	574	2.1	2	Electric Motor 230V, 1.5 hp (1.1 kW)	74.5	34	19.5 x 14.4 x 15.6	496 x 366 x 397
IPU 2035 E 230V (Explosion Proof)	139	2270	35	574	2.1	2	Electric Motor 230V, 1.5 hp (1.1 kW) Explosion Proof Class 1, Groups C & D Class II Groups F & G w/Conduit Box	63.0	28.3	19.5 x 14.4 x 15.6	496 x 366 x 397
IPU 2035 E 480V	139	2270	35	574	2.1	2	Electric Motor 460V, 1.5 hp (1.1 kW)	52.0	23.3	19.5 x 14.4 x 15.6	496 x 366 x 397

Mobile Pump Units - Multi Tool Operation



IPU 60 PH



IPU 60 E

Features - IPU 60

-  lightweight, compact
-  2-stage pumps for faster working speed
-  simultaneous operation of 2 tools
-  multiple power options:
 - Honda or Briggs & Stratton gasoline engines
 - continuous duty 115V or 230V electric motors

Mobile Pump Units - Two Tool Operation

Model	output				contents of oil tank		drive	weight ready for use		dimensions (L x W x H)	
	1st stage		2nd stage								
	in ³ /min	cm ³ /min	in ³ /min	cm ³ /min	qts	liters		lbs	kg	in	mm
IPU 60 P	2 x 134	2 x 2200	2 x 30	2 x 490	4.23	4.0	Briggs & Stratton 5 hp 4 stroke gas engine	103	47.0	19.8 x 15.8 x 21.8	502 x 400 x 553
IPU 60 PH	2 x 134	2 x 2200	2 x 30	2 x 490	4.23	4.0	Honda 4 stroke 4 hp gasoline engine	106	48.0	19.8 x 15.8 x 21.8	502 x 400 x 553
IPU 60 E 115V	2 x 134	2 x 2200	2 x 30	2 x 490	4.23	4.0	Electric motor 2.0 hp 115 volt 60 Hz	110	50.0	19.8 x 15.8 x 21.8	502 x 400 x 553
IPU 60 E 230V	2 x 134	2 x 2200	2 x 30	2 x 490	4.23	4.0	Electric motor 2.0 hp 230 volt 60 Hz	110	50.0	19.8 x 15.8 x 21.8	502 x 400 x 553
IPU 60 E 230V (Explosion Proof)	2 x 134	2 x 2200	2 x 30	2 x 490	4.23	4.0	Electric motor 2.0 hp 230 volt 60 Hz Explosion Proof Class 1, Groups C & D Class II Groups F & G w/Conduit Box	118	53.6	19.8 x 15.8 x 21.8	502 x 400 x 553

Mobile Pump Units - Manual

Note

couplers must be ordered separately



HTW 700 B



FTW 1800 B

Features

- 1-stage pumps
 - for smaller volumes, low speed, low costs
- 2-stage pumps
 - greater pump output for greater volumes: up to 9x faster than 1-stage pumps at low pressure
 - supplied with an automatic valve for the transition from the first to the second stage
- durable steel tanks
- compact
- all pumps provided with a dipstick

Hand or foot pumps - 1-stage or 2-stage, single-acting or double-acting

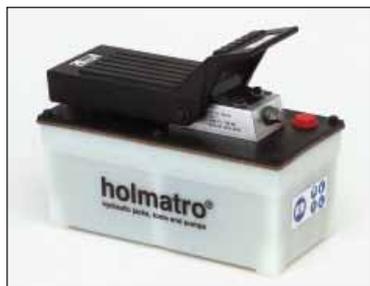
pump HTW = hand operation FTW = foot operation	output per stroke				max. pressure 1st stage		oil content		weight including oil	
	1st stage		2nd stage		psi	bar	in ³	cm ³	lbs	kg
	in ³	cm ³	in ³	cm ³						
HTW 700 B	0.79	11	0.12	2.0	435	30	42.7	700	17.6	8.0
H/FTW 1800 B *	1.71	28	0.14	2.3	653	45	109.8	1800	20.5	9.3

* FTW version is 0.4 lb (0.2 kg) heavier than the HTW version.

Mobile Pump Units - Air-Powered

Note

couplers must be ordered separately



AHS 1400 FS



AHS 1400 D

Features

- compact construction, can be used anywhere
- lightweight
- safe - can be used indoors
- low noise level through built-in sound baffle
- low energy consumption as pump stops when max. pressure has been reached
- air required: 20 cfm @100 psi

Air-Powered pumps - 1-stage - single-acting or double-acting

air-powered pump	suitable for	working pressure		air pressure		pump output				air consumption				oil content		weight incl. oil	
		psi	bar	psi	bar	unloaded		loaded		unloaded		loaded		in ³	cm ³	lbs	kg
						in ³ /min	cm ³ /min	in ³ /min	cm ³ /min	ft ³ /min	l/min	ft ³ /min	l/min				
AHS 1400 FS	single-acting tools	10,500	0 - 720	1 - 120	0 - 8.5	58.6	960	25.0	410	24.7	700	20.5	580	85.4	1400	14.3	6.5
AHS 1400 D	double-acting tools	10,500	0 - 720	1 - 120	0 - 8.5	58.6	960	25.0	410	24.7	700	20.5	580	85.4	1400	21.1	9.6

Holmatro® Automotive Testing System (H.A.T.S)

(Holmatro Automotive Testing System) H.A.T.S.

With advances in automotive design and construction comes a requirement for auto manufacturers to test the improvements. Based on decades of experience in hydraulic spreader technology, Holmatro has designed an industrial spreader system, H.A.T.S., specifically for destructive testing use in the automotive manufacturing environment. It is constructed from high grade steel and an emphasis has been placed on the durability (extremely high cycle counts) and ergonomics (reduced physical demands) of the tool. The weight of the tool is suspended from a unique rotating, compensating balancer.



Features

- ▶ **user-friendly and ergonomic**
 - unique rotating balancer allows tool to be easily placed in any position while supporting the weight of the tool
 - simple actuating handle
 - reduced physical demands on operator allows for increased productivity
- ▶ **powerful**
 - spreading power of more than 7.7 tons
- ▶ **special tips designed for destructive testing**
 - grip teeth
 - durable tool steel
 - easy to change
- ▶ **safe**
 - deadman's function on operating controls
 - moving parts covered



H.A.T.S. system in use



IPU-S 09 S 25 E EX-0

IPU-S 09 S 25 E EX-0 specifications	
Control valve	Electric control 24VDC 4/3
Working pressure	7,250 psi (500 bar)
Pump type	Two-stage radial
Motor	Electric: 1.5 hp (1.1 kW), 400 V, 50 Hz, 3 Ph
Speed	1450 rpm
Output 1st stage (0-200 bar)	0.24 gal/min (0.9 liters/min)
Effective oil content	6.6 gal (25 liters)
Weight ready for use	159 lb (72 kg)
Dimensions (LxWxH)	19 11/16" x 15" x 30 5/16" (500 x 380 x 770 mm)



170.182.002: Spreading tip complete, 30-4 mm insertion, blunt pointed (2 needed)



150.113.071: Spreading tip complete, 30-0 mm insertion, sharp pointed (2 needed)

Industrial spreaders												
model	working pressure		spreading opening		max. spreading force (dependant on tip used)		max. squeezing force (dependant on tip used)		weight ready for use		dimensions	
	psi	bar	in	mm	lbf	kN	lbf	kN	lbs	kg	in	mm
ISU 20	7,250	500	21 15/16	557	18,412	81.9	13,264	59	67	30.5	33 1/2 x 14 1/16 x 14 1/8	852 x 358 x 359

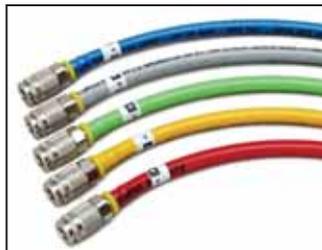
Lifting Bags (high pressure)

max. working pressure: 116 psi / 8 bar



Model	nominal capacity		max. inflation height		dimensions (l x w)	weight	thickness incl. profile
	US tons	metric tons	in	mm	inches	lbs	in
HLB 1	1.1	1	2	75.5	5 3/8 x 5 3/8	1 1/10	9/10
HLB 3	3.3	3	5 1/8	130	9 x 9	3 3/8	9/10
HLB 5	5.5	5	5 7/8	148	10 1/4 x 10 1/4	3 3/4	9/10
HLB 11	12.0	11	8 1/2	216	15 x 15	8 3/8	1
HLB 18	19.8	18	9 5/8	245	14 1/8 x 26	15	1
HLB 20	22.0	20	11 3/8	290	20 1/8 x 20 1/8	14 3/4	1
HLB 24	26.4	24	8 1/2	217	12 1/2 x 39 3/8	21	1
HLB 29	31.9	29	13 3/4	348	24 x 24	21 5/8	1
HLB 40*	44.0	40	16	405	28 1/8 x 28 1/8	33 1/4	1
HLB 67*	73.7	67	20 1/2	521	36 1/8 x 36 1/8	51 7/8	1

* supplied with carry straps



Air Hoses	Lengths
Available with or without shut-off & pressure relief valve, in the standard lengths listed. Standard Colors shown.	10 ft (3m)
	16 ft (5m)
	32 ft (10 m)



Accessories	
Description	Model
Air hose available in yellow, red, and blue Standard lengths: 10ft (3m), 16ft (5m), and 32ft (10m)	
Shut-off hoses with built in pressure relief valve	SORV 10 U
Pressure regulator for low pressure SCBA only	PRV 120 U
Pressure regulator for high pressure SCBA only	HPRV 120 U
Single control unit	SCV 10 U
Dual control unit	DCV 10 U
Heavy duty dual control unit	HDC 10 U

Air hoses also available with built-in shut-off and pressure relief valve.

Hydraulic Nut Crackers



HNC 1536 NU



HNC 1536 NU



HNC 3250 U

Features

- safe: no sparks, constrains nut fragments
- compact, lightweight
- spring return
- can be used in all positions
- adjustable blade prevents thread damage

Nut crackers														
nut cracker	cylinder capacity		min. reach bolt		max. reach category 8 bolt		max. reach 2 H bolt		weight				recommended pump	
	lbs	tons	met. size	hex. size	met. size	hex. size	met. size	hex. size	tool		incl. case		model	alternative
									lbs	kg	lbs	kg		
HNC 1536 NU	3,270	16.5	M12 (1/2")	19mm (3/4")	M24 (7/8")	36mm (16/17")	M20 (3/4")	30mm (1 1/4")	6.4	2.9	9.2	4.2	HTW 700 B	AHS 1400 FS
HNC 3250 U	71,036	35.2	M22 (7/8")	32mm (1 1/4")	M33 (1 1/4")	50mm (2")	M33 (1 1/4")	50mm (2")	15.8	7.2	18.9	8.6	HTW 700 B	AHS 1400 FS

Pipe Squeezer



HPS 60 AU



pipe squeezer	max. squeezing force		max. Ø tube (outside)		max. wall thickness tube		dimensions (L x W x H)		weight ready for use		recommended pump
	tons	kN	in	mm	in	mm	in	mm	lbs	kg	model
HPS 60 AU	15	147.2	2.36	60	0.16	4	16.5 x 8.25 x 6	420 x 210 x 150	19.4	8.8	HTW 700 B

Power Wedge



model	3624	
minimum insertion	1/4 inch	6 mm
lifting height	2 inch	50 mm
lifting force	48,100 lbs	214 kN
weight ready for use	24 1/4 lbs	11 kg
recommended pump	IPU 2035	

Aluminum Jacks



HLJ 50 A6 HLJ 50 A10

Features

-  extreme low weight
-  tilting saddle
-  air return

aluminum jack	lifting capacity		closed length		stroke		weight ready for use		recommended pump model
	lbs	kN	in	mm	in	mm	lbs	kg	
HLJ 50 A6	114,750	510	6	150	2.375	61	15.5	7	HTW 1800 B
HLJ 50 A10	114,750	510	7.75	196	4	104	20	9	HTW 1800 B

Toe-Jack



TJ 3610

toe-jack	max. capacity (in middle of saddle)		max. force (on toe)		lifting height / plunger stroke		closed height		min. insertion height toe		weight ready for use		recommended pump model
	lbs	metric tons	lbs	metric tons	in	mm	in	mm	in	mm	lbs	kg	
TJ 3610	26,500	12	22,000	10	10	250	17.625	448	2.25	56	45	20.5	HTW 1800 B

Concrete Crusher



ICR 20

Note

-  available with both pointed and wedge tips



model	blade opening		squeezing force		concrete wall		dimensions		weight ready for use		recommended pump model
	in	mm	ton	kN	in	mm	in	mm	lbs	kg	
ICR 20	8 ½	217	7.7	68.6	7 7/8	200	33 7/8 x 17 5/16 x 8 1/4	860 x 440 x 210	47.5	21.5	IPU 60 E

Mechanical Jacks



JJ 1513



JJ 5013

model	capacity		closed height		stroke length		base Ø		handle bar dia. x length		weight	
	tons	kN	in	mm	in	mm	in	mm	in	mm	lb	kg
JJ 1015	11.027	98.1	11	280	6	150	4 ¼	108	1 x 23 5/8	25 x 600	26.5	12
JJ 1513	16.546	147.2	10	255	4 7/8	125	4 ½	113	1 x 28	25 x 710	26.5	12
JJ 2513	27.573	245.3	10	255	4 7/8	125	5	127	1 x 35 1/2	25 x 900	35.5	16
JJ 3513	38.599	343.4	11	280	5 1/8	130	5 ¾	147	1 1/8 x 39 3/8	30 x 1000	53	24
JJ 5013	55.134	490.5	11 ½	290	5 1/8	130	6 ½	166	1 1/8 x 57 1/4	30 x 1200	68.5	31
JJ 10011	110.269	981.0	12 ¼	310	4 1/8	105	9 ¼	235	1 1/8 x 59	30 x 1500	159	72

Features

- safe, self-locking
- can be used in all positions
- robust
- resistant to heavy duty working conditions of long duration
- for use in areas where welding is being done
- suitable for underwater use
- practically maintenance free



PL 2510



PL 2510 being used to pull ship sections together

model	capacity		length, retracted plunger		stroke length		handle bar dia. x length		weight	
	tons	kN	in	mm	in	mm	in	mm	lb	kg
PL 2510	27.543	245.3	30 ½	775	3 15/16	100	1 x 27 ½	25 x 700	70.5	32

Ship Wedges



W 50



Features

- releases with one blow under full load
- robust
- resistant to heavy duty working conditions of long duration
- for use in areas where welding is being done
- maintenance free

model	static load capacity		max. height		min. height		measurements		weight	
	tons	kN	in	mm	in	mm	in	mm	lb	kg
W 50	55.134	490.5	8 7/8	225	7 1/4	185	9 5/8 x 10 1/4	245 x 260	62	28
W 80	88.215	784.8	13 5/8	340	10 5/8	270	12 1/2 x 13 5/8	315 x 345	128	58

Pneumatic Air Mover



HAM 125

air-mover	air displacement capacity				air consumption at full load		weight	
	at 8 bar (116 psi)		at 6 bar (87 psi)		ft ³ /min	m ³ /min	lbs	kg
	ft ³ /min	m ³ /min	ft ³ /min	m ³ /min				
HAM 125	1130	32	1060	30	42	1.2	6.6	3

Features

- 🌀 working pressure 4-10 bar
- 🌀 works according to the venturi principle
- 🌀 no moving or wearing parts
- 🌀 safe, explosion free
- 🌀 lightweight
- 🌀 easy to use
- 🌀 continuously adjustable suction force
- 🌀 starts and stops immediately
- 🌀 low noise level, only 76 dB at max. capacity

Applications

- 🌀 extraction of welding vapor, if required from three places simultaneously using a manifold
- 🌀 extraction of dangerous vapors from boilers, ovens, tanks, etc.
- 🌀 clean air supply to closed work areas
- 🌀 ventilation of closed work areas, cooling of vulnerable parts
- 🌀 atomization of liquids
- 🌀 discharge of smoke, steam or vapor from solvents, paint, etc.
- 🌀 can be used as extension of a central ventilation system



HAM 125 with manifold B 322, to which 3 hoses of 2" (50 mm) Ø, H 50-5 can be connected.



Flexible PVC hose H-125 B
length: 26 ft (8 m)
Ø: 5" (125 mm)



B 322: HAM 125 complete with manifold
B 323: rectangular mouthpiece
B 324: round mouthpiece
B 325: 3 hoses H 50-5 with hose clamp



Crane and Balancer

Features

- ☛ **Not dependent on existing suspension points**
 - Provides a suspension point for your hydraulic foundry wedge or stationary cutter wherever you want one.
- ☛ **Adjustable legs**
 - Can always be levelled.
- ☛ **Measurements**
 - Bottom plate: 39 3/8" x 39 3/8" (1000 x 1000 mm)
 - Total height: 125 1/2" x 105 7/8" (3190 mm or 2690 mm)
 - Height suspension point: 106 5/16" x 86 5/8" (2700 mm or 2200 mm)
 - Arm length: 78 3/4" (2000 mm)



Balancer



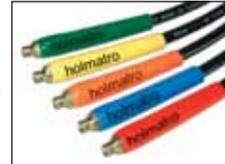
Hoses & Accessories

Holmatro® offers a wide range of accessories. For more information on accessories, please contact us.

Hydraulic hoses		
Hydraulic hoses double, with 3/8" NPT male thread. 2:1 safety ratio. Color: black, with coded bend restrictors.	length (ft)	length (m)
	16	5
	32	9.75
Hydraulic hoses single, with 1/4" BSP male thread and anti-kink spring on both sides. 4:1 safety ratio. Color: red, blue, green, black.	length (ft)	length (m)
	16	5
	32	9.75
Hydraulic hoses double, with 1/4" BSP male thread and anti-kink spring on both sides. 4:1 safety ratio. Color: red, blue, green, black.	length (ft)	length (m)
	16	5
	32	9.75
Hydraulic hoses double, for stationary cutters, with electric cable for operation, protective cover and anti-kink spring on both sides. 4:1 safety ratio. Color: green.	length (ft)	length (m)
	15	5
Hydraulic hoses for foundry wedges.	length (ft)	length (m)
	15	5



Bend Restrictors



Spare wedge blades	
for wedge model	
1. HFW 926	
2. HFW 1226	
3. HFW 1518	
4. HFW2426	
5. HFW 3018	

Call for details on various gauges, valves, couplers, connections, etc.



A 500 universal pressure gauge



A 108 pressure gauge adaptor + A 500 pressure gauge + hose

Maintenance accessories	
<ol style="list-style-type: none"> 1 clamp plug 2 shim 3 felt ring 4 grease nipple 5 snap ring nord-lock 6 socket head screw 7 hinge pin ICU cutter 8 allen key 9 swing bolt nut 10 HRV720 pressure relief valve 11 grease gun 12 grease MoS2, 400 gr 13 degreaser, 400 ml 14 Teflon spray, 400 ml 15 anti-friction coating, 400 ml 16 synthetic carrying case <p>- complete maintenance set in case</p>	

Maintenance accessories for foundry wedges	
<ol style="list-style-type: none"> 1. Dry spray lube can, 400 ml 2. 2x hand nuts, T-grip 3. complete set 	

For more information, visit our website:

www.holmatro-usa.com



Holmatro® is a manufacturer of hydraulic tools with manufacturing plants in the Netherlands, the United States and Poland. Holmatro® offers a wide range of lifting, bending, pulling, cutting and spreading tools. These tools are supplied all over the world to just about every branch of industry. As a manufacturer with over 40 years of experience, we are in a position to provide you with expert advice on both the tools and their applications. Holmatro® is continually investing in the research and development of new products and new production methods. Holmatro® has sales and service centers throughout the world.



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