



# *rescue tools*



# CORE Technology™ by Holmatro®

For the past 30 years, Holmatro® Rescue Equipment has been at the forefront of many product technology improvements. After decades of innovative firsts, Holmatro® now introduces a revolutionary new technology that is sure to be one of the most important innovations in the field of extrication, ever:



## What is CORE Technology™?

CORE Technology™ is a hydraulic system that employs **CO**axial **R**escue **E**quipment hose, couplers, pumps and tools. At the CORE of this system is our revolutionary fluid path technology. This coaxial hose design consists of a high pressure CORE, surrounded and protected by the low pressure return.

What makes our coaxial hydraulic hose possible is our patented CORE Technology™ coupler. These couplers have a built-in, automatic return valve that eliminates the need for a dump valve on the pump, simply connect the hose and you're ready to go.



## Why CORE Technology™?

CORE Technology™ is a revolutionary turning point in rescue tool technology. More than just a new tool, hose or power unit, CORE Technology™ is a new hydraulic system that fundamentally changes the extrication process. When lives are at stake, it's all about speed and safety.

CORE Technology™ is significantly **faster**, **easier** and **safer**, allowing rescuers to focus on the rescue operation, not the rescue equipment. Once you work with CORE Technology™ and discover the unprecedented benefits, you won't want to go back to a twin line system.

## FASTER

- HOT-Swappable**

Change tools without returning to the power unit.

- Connect and go**

There is no need to unroll a CORE Technology™ hose before making your connections. No more twisted or kinked hoses.



## EASIER

- Error proof connections**

Male & female connectors can not be connected incorrectly or in the wrong order. Female couplers always connect to the tool and male couplers always connect to the power unit. CORE Technology™ hoses also include icons and arrows for quick and easy identification.



- Continuous swivels**

360° swivels on both ends of the hose prevent twisting or kinking.

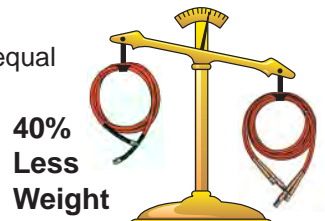


- Packing up**

Rolling up a CORE Technology™ hose is simple. With a couple of overhand or underhand flicks of the wrist, the hose is coiled and ready for storage.

- Reduced weight & space**

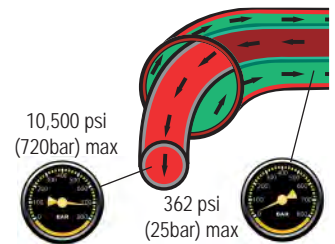
Compared to a twin line hose of equal length, CORE Technology™ hose weighs approx. 40% less and the flexible design allows it to be coiled into a much tighter roll, making it easier to manage and store. Without pigtails, CORE Technology™ tools take up less compartment space and weigh less.



## SAFER

- Protected Power**

- With CORE Technology™ hose the high pressure line is completely protected by the low pressure return line. The maximum a rescuer could be exposed to is 363 psi (25 bar)



- Para-aramid yarn reinforced**

- CORE Technology™ hose does not use any steel wire for reinforcement, making it highly flexible and kink resistant  
- Both inner and outer hoses have a 4:1 safety ratio.

- Fewer hoses in the action circle**

- A single smooth hose, compared to twin line hoses with Oetiker clamps, reduces trip hazards and snag points  
- Hot-swappable power allows multiple tool operation from one hose, and prevents unnecessary travel to and from the power unit.

# Holmatro® 4000 Series Rescue Tools

**The Holmatro® 4000 Series** – holds a number of benefits that elevate Holmatro® rescue tools to the next level in terms of user-friendliness, performance and working speed. Of course, CORE Technology™ is a standard feature on the 4000 Series, with traditional twin line hoses also available.

In addition, Holmatro® introduces three new patent pending features:

## Carry handles with integrated LED lighting

Standard on all Holmatro 4000 Series cutters, combi-tools, and spreaders, these bright LED's prevent you from ever working in your own shadow again. Whether at night or during the daytime when bright sunshine can cause dark shaded areas, the integrated LED's provide illumination where it's needed most. Even when scene lighting is absent, these bright lights enable you to work for about 6 continuous hours on the single AA battery.

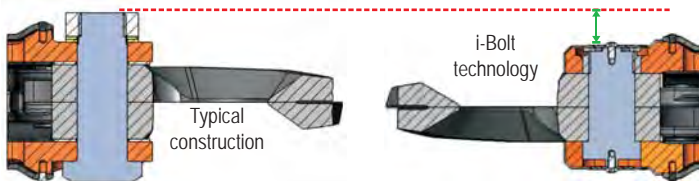


Standard on all 4000 Series cutters and combi-tools, the integrated

## i-Bolt Technology: New central bolt construction

i-Bolt construction is characterized by its sleek, low profile design that allows the bolt to be recessed into the blade holders.

- The low profile i-Bolt design provides better access in narrow spaces.
- This innovative, design is also more efficient and uses less torque.



Instead of compressing the blades between the softer aluminum blade holders and steel shims, the i-Bolt squeezes directly on the blades, resulting in less blade separation and a more efficient cutting process.



- The i-Bolt and blade holders are protected by a stainless steel cover, helping to protect them during the extrication process.

• Compared to conventional nuts and bolts, the i-Bolt provides improved performance with reduced size and weight.



## Speed Valve

– accelerates tool speeds

Standard on all Holmatro® 4000 Series spreaders and rams, the innovative, patent pending "speed valve" allows spreaders to open up to 65% faster and rams open up to 35% faster. This speed valve automatically increases the opening speed of the tool, allowing for faster and more efficient tool placement, thus shortening the extrication process.



Built into the tool, not the power unit, this technology will work with your existing Holmatro® power unit, and does not affect the speed or operation of other tools running on the same power unit.

When the tool meets resistance and pressure builds to 2,178 psi (150 bar), the valve automatically switches the tool back to 'normal' speed.



Of course with the precision control of Holmatro's proportional control valve, the rescuer always has the ability to feather the control handle for slow, smooth, controlled movements whenever necessary.

# Spreaders

4230



4242



4260



4280



- Accessories:
1. spreading tips
  2. cutting tips
  3. pulling tips with hooks
  4. pulling chains
  5. storage case

Model	4230		4242		4260		4280	
max. spreading force (at back of tip)	14,585 lbs	(64.9 kN)	19,595 lbs	(87.2 kN)	33,000 lbs	(146.8 kN)	58,000 lbs	(258.0 kN)
max. spreading travel	33 <sup>3</sup> / <sub>8</sub> inch	(848 mm)	27 <sup>1</sup> / <sub>4</sub> inch	(692 mm)	32 <sup>3</sup> / <sub>4</sub> inch	(832 mm)	26 <sup>1</sup> / <sub>2</sub> inch	(675 mm)
weight, ready for use (Twin)	45 lbs	(20.5 kg)	42 lbs	(19 kg)	58 lbs	(26.3 kg)	62 lbs	(28 kg)
dimensions (Twin) (LxWxH)	36 <sup>3</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>4</sub> " x 8 <sup>1</sup> / <sub>8</sub> " (924 x 297 x 206 mm)		33 <sup>1</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>4</sub> " x 8 <sup>1</sup> / <sub>8</sub> " (842 x 297 x 206 mm)		37 <sup>1</sup> / <sub>2</sub> " x 12 <sup>3</sup> / <sub>4</sub> " x 9 " (952 x 322 x 227 mm)		34 <sup>1</sup> / <sub>4</sub> " x 12 <sup>1</sup> / <sub>2</sub> " x 9 <sup>1</sup> / <sub>4</sub> " (870 x 318 x 235 mm)	
weight, ready for use (Core™)	42 lbs	(19 kg)	39 lbs	(17.7 kg)	55 lbs	(24.9 kg)	59 lbs	(26.6 kg)
dimensions (Core™) (LxWxH)	33 <sup>3</sup> / <sub>4</sub> " x 11 <sup>3</sup> / <sub>4</sub> " x 8 <sup>1</sup> / <sub>8</sub> " (855 x 297 x 206 mm)		30 <sup>1</sup> / <sub>2</sub> " x 11 <sup>3</sup> / <sub>4</sub> " x 8 <sup>1</sup> / <sub>8</sub> " (773 x 297 x 206 mm)		34 <sup>3</sup> / <sub>4</sub> " x 12 <sup>3</sup> / <sub>4</sub> " x 9 " (883 x 322 x 227 mm)		31 <sup>1</sup> / <sub>2</sub> " x 12 <sup>1</sup> / <sub>2</sub> " x 9 <sup>1</sup> / <sub>4</sub> " (801 x 318 x 235 mm)	
UL Listed & UL Classified to NFPA 1936	—		UL Listed & NFPA Compliant		UL Listed & NFPA Compliant		—	

For additional specifications visit our web site: [www.holmatro-usa.com](http://www.holmatro-usa.com)

## Cutters

3010



4020



4031



4035



Model	3010		4020		4031		4035	
max. blade opening	5¾ inch	(146 mm)	5¼ inch	(134 mm)	12 inch	(305 mm)	9¾ inch	(238 mm)
max. cutting force	56,920 lbs	(253 kN)	63,400 lbs	(282 kN)	67,600 lbs	(301 kN)	67,600 lbs	(301 kN)
weight, ready for use (Twin)	21 lbs	(9.5 kg)	27 lbs	(12.3 kg)	33 lbs	(15 kg)	34 lbs	(15.4 kg)
dimensions (Twin) (LxWxH)	27¾" x 8½" x 6⅞" (691 x 205 x 163 mm)		30¼" x 9⅝" x 7½" (769 x 236 x 190 mm)		32¾" x 9⅝" x 7½" (830 x 236 x 190 mm)		33½" x 9⅝" x 7½" (851 x 236 x 190 mm)	
weight, ready for use (Core™)	18 lbs	(8.2 kg)	24 lbs	(10.9 kg)	30 lbs	(13.6 kg)	31 lbs	(14.1 kg)
dimensions (Core™) (LxWxH)	24⅞" x 8⅞" x 6⅞" (622 x 205 x 163 mm)		27" x 9⅝" x 7½" (686 x 236 x 190 mm)		30" x 9⅝" x 7½" (760 x 236 x 190 mm)		30¾" x 9⅝" x 7½" (781 x 236 x 190 mm)	
UL Listed & UL Classified to NFPA 1936	—		UL Listed & NFPA Compliant		UL Listed & NFPA Compliant		UL Listed & NFPA Compliant	

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## New Car Technology Cutters

4035NCT



4050NCT



Model	4035NCT		4050NCT	
max. blade opening	5 <sup>1</sup> / <sub>16</sub> "	(144 mm)	7 <sup>1</sup> / <sub>8</sub> "	(181 mm)
max. cutting force	57,320 lbs	(255 kN)	208,000 lbs	(927 kN)
weight, ready for use (Twin)	34 lbs	(15.4 kg)	43 lbs	(19.5 kg)
dimensions (Twin) (LxWxH)	31 <sup>1</sup> / <sub>2</sub> " x 9 <sup>5</sup> / <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " (799 x 236 x 190 mm)		33 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>8</sub> " x 7 <sup>5</sup> / <sub>8</sub> " (858 x 264 x 194 mm)	
weight, ready for use (Core™)	31 lbs	(14.1 kg)	40 lbs	(18.1 kg)
dimensions (Core™) (LxWxH)	28 <sup>3</sup> / <sub>4</sub> " x 9 <sup>5</sup> / <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " (731 x 236 x 190 mm)		31" x 10 <sup>3</sup> / <sub>8</sub> " x 7 <sup>5</sup> / <sub>8</sub> " (789 x 264 x 194 mm)	
UL Listed & UL Classified to NFPA 1936	UL Listed & NFPA Compliant		UL Listed & NFPA Compliant	
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## Combi Tools

3120



4150



Model	3120		4150	
spreading distance	10 <sup>1</sup> / <sub>2</sub> inch	(268 mm)	14 <sup>1</sup> / <sub>4</sub> inch	(362 mm)
spreading force	11,690 lbs	(52 kN)	16,166 lbs	(71.9 kN)
cutting opening	7 <sup>1</sup> / <sub>2</sub> inch	(191 mm)	9 inch	(228 mm)
cutting force in recess	49,000 lbs	(218.3 kN)	67,600 lbs	(300.7 kN)
weight, ready for use (Twin)	20.5 lbs	(9.3 kg)	34 lbs	(15.5 kg)
Dimensions (Twin) (LxWxH)	29 <sup>3</sup> / <sub>8</sub> " x 8 <sup>1</sup> / <sub>16</sub> " x 6 <sup>7</sup> / <sub>16</sub> " (746 x 205 x 163 mm)		33 <sup>3</sup> / <sub>4</sub> " x 9 <sup>5</sup> / <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " (857 x 236 x 190 mm)	
Weight, ready for use (Core™)	17.5 lbs	(7.9 kg)	31 lbs	(14 kg)
Dimensions (Core™) (LxWxH)	26 <sup>5</sup> / <sub>8</sub> " x 8 <sup>1</sup> / <sub>16</sub> " x 6 <sup>7</sup> / <sub>16</sub> " (677 x 205 x 163 mm)		31" x 9 <sup>5</sup> / <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " (787 x 236 x 190 mm)	
UL Listed & UL Classified to NFPA 1936	—		UL Listed & NFPA Compliant	
<b>For additional specifications visit our web site: <a href="http://www.holmatro-usa.com">www.holmatro-usa.com</a></b>				

## Rams



4321



4322



4331



4332



### HRS 22

Model	HRS 22	
load	49,145 lbs	(218.6 kN)
weight	19 lbs	(8.7 kg)



#### Accessories 4321, 4322, 4331, and 4332:

- 1 Base Plate
- 2 Piercing point
- 3 Wedge head
- 4 Spare cross head
- 5 Pulling attachment set
- 6 Chains with hooks

#### Extension pipes can only be mounted on the fixed base of the 4321 and 4331

- 7 Extension pipe 6.5 inch
- 8 Extension pipe 13 inch
- 9 Extension pipe 23.5 inch
- 10 Storage box, small
- 11 Storage box, large

#### Extension pipes only for 4321 and 4331

Model	4321		4322		4331		4332	
spreading force	36,460 lbs	(162.2 kN)	36,460 lbs	(162.2 kN)	36,460 lbs	(162.2 kN)	36,460 lbs	(162.2 kN)
number of plungers	1		2		1		2	
stroke	9¼ inch	(248 mm)	2 x 9¼ inch	(2 x 249 mm)	13¾ inch	(350 mm)	2 x 13¾ inch	(2 x 350 mm)
max. length	31 inch	(788 mm)	50 inch	(1270 mm)	39 inch	(991 mm)	65⅞ inch	(1674 mm)
weight ready for use (Twin)	29 lbs	(13.2 kg)	39 lbs	(17.7 kg)	33 lbs	(15 kg)	45 lbs	(20.5 kg)
dimensions (Twin) (LxWxH)	21½" x 16" x 4⅞" (547 x 407 x 122 mm)		30⅜" x 16" x 4⅞" (772 x 407 x 122 mm)		25¼" x 16" x 4⅞" (642 x 407 x 122 mm)		38 3/8" x 16" x 4⅞" (975 x 407 x 122 mm)	
weight ready for use (Core™)	26 lbs	(11.8 kg)	36 lbs	(16.3 kg)	30 lbs	(13.6 kg)	42 lbs	(19 kg)
dimensions (Core™) (LxWxH)	21½" x 13½" x 4⅞" (547 x 338 x 122 mm)		30⅜" x 13½" x 4⅞" (772 x 338 x 122 mm)		25¼" x 13½" x 4⅞" (642 x 338 x 122 mm)		38⅜" x 13½" x 4⅞" (975 x 338 x 122 mm)	
UL Listed & UL Classified to NFPA 1936	UL Listed & NFPA Compliant		UL Listed & NFPA Compliant		UL Listed & NFPA Compliant		—	

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## Telescopic Rams



4340



4350



Model	4340		4350	
max. spreading force 1st section	49,145 lbs	(218.6 kN)	49,145 lbs	(218.6 kN)
max. spreading force 2nd section	18,210 lbs	(81 kN)	18,210 lbs	(81 kN)
max. spreading distance	11 inch	(279 mm)	29.25 inch	(743 mm)
piston length 1st Section	6 <sup>1</sup> / <sub>8</sub> inch	(155 mm)	15.25 inch	(387 mm)
piston length 2nd Section	4 <sup>7</sup> / <sub>8</sub> inch	(124 mm)	14 inch	(356 mm)
max extended length	23 inch	(584 mm)	50.25 inch	(1276 mm)
weight, ready for use (Twin)	27 lbs	(12 kg)	40 lbs	(18 kg)
dimensions (Twin) (LxWxH)	12" x 16 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>8</sub> "	(305 x 419 x 155 mm)	21" x 16 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>8</sub> "	(533 x 419 x 156 mm)
weight, ready for use (Core™)	24 lbs	(10.9 kg)	37 lbs	(16.8 kg)
dimensions (Core™) (LxWxH)	12" x 13 <sup>3</sup> / <sub>4</sub> " x 6 <sup>1</sup> / <sub>8</sub> "	(305 x 350 x 155 mm)	21" x 13 <sup>3</sup> / <sub>4</sub> " x 6 <sup>1</sup> / <sub>8</sub> "	(533 x 350 x 156 mm)
UL Classified to NFPA 1936	NFPA Compliant		NFPA Compliant	

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## Hand Operated Tools

HCT 3120



HCU 3010



Model	HCT 3120	
spreading distance	10 <sup>1</sup> / <sub>2</sub> inch	(268 mm)
spreading force	11,690 lbs	(52 kN)
cutting opening	7 <sup>1</sup> / <sub>2</sub> inch	(191 mm)
cutting force	49,000 lbs	(218 kN)
weight ready for use	23 lbs	(10.5 kg)
dimensions, folded (LxWxH)	27 <sup>1</sup> / <sub>2</sub> " x 8 <sup>1</sup> / <sub>16</sub> " x 6 <sup>7</sup> / <sub>16</sub> "	(698 x 205 x 163 mm)

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Model	HCU 3010	
max. blade opening	5 <sup>3</sup> / <sub>4</sub> inch	(146 mm)
max. cutting force	56,920 lbs	(253 kN)
weight ready for use	22 lbs	(10.1 kg)
dimensions, folded (LxWxH)	25 <sup>1</sup> / <sub>2</sub> " x 8 <sup>1</sup> / <sub>16</sub> " x 6 <sup>7</sup> / <sub>16</sub> " (645 x 205 x 163 mm)	

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## Personal Power & Mini Pumps

All units have a max. working pressure of 10,500 psi ( 720 bar)

Model	PPU15	
motor	Honda 4 stroke, 2.5 hp	
fuel tank capacity	1.3 qts	(1.25 liters)
usable hydraulic oil	2.1 qts	(2 liters)
flow (to 200 bar)	139 in <sup>3</sup> /min	(2.28 l/min)
flow (200 to 720 bar)	37.8 in <sup>3</sup> /min	(0.62 l/min)
dimensions (L x W x H)	17¾" x 12" x 15"	(451 x 305 x 381 mm)
weight ready for use (Twin)	35 lbs	(15.9 kg)
weight ready for use (Core™)	32 lbs	(14.5 kg)
UL Classified to NFPA 1936	NFPA Compliant	



PPU15

Model	PU5	
motor	Honda 4 stroke, 2.5 hp	
fuel tank capacity	1.26 qts	(1.2 liters)
usable hydraulic oil	0.56 qts	(530 cc)
pump type	two-stage radial piston pump	
output 1st stage (0 to 190 bar)	148.9 in <sup>3</sup> /min	(2440 cc/min)
output 2nd stage (190 to 720 bar)	37.8 in <sup>3</sup> /min	(620 cc/min)
dimensions (L x W x H)	12 <sup>13</sup> / <sub>16</sub> " x 10 <sup>5</sup> / <sub>8</sub> " x 15 <sup>11</sup> / <sub>16</sub> "	(325 x 269 x 399 mm)
weight ready for use (Twin or Core™)	26.5 lbs	(12 kg)



PU5

PU5 with frame & 10' hose (not shown)		
dimensions (L x W x H)	22 x 12¾ x 16¼"	(560 x 322 x 413 mm)
weight ready for use	38.5 lbs	(17.5 kg)

Model	2035 GU (not shown)		2035 EPA	
	motor	115V, 1.5 hp 60 Hz	230V, 1.5 hp (1.1 kW)	Honda 4 stroke, 3.0 hp
pump type	two-stage radial piston pump		two-stage radial piston pump	
capacity fuel tank	-	-	1.3 qts	(1.2 liters)
usable hydraulic oil	2.1 qts	(2 liters)	2.1 qts	(2 liters)
output 1st stage	139 in <sup>3</sup> /min	(2270 cc/min)	146 in <sup>3</sup> /min	(2400 cc/min)
output 2nd stage	35 in <sup>3</sup> /min	(574 cc/min)	43 in <sup>3</sup> /min	(700 cc/min)
dimensions (L x W x H)	19½ x 14¾ x 15½"	(496 x 366 x 397 mm)	17¾" x 13¾" x 18½"	(442 x 353 x 470 mm)
weight ready for use (Twin)	74.5 lbs	(33.8 kg)	60 lbs	(27 kg)
weight ready for use (Core™)	75 lbs	(34 kg)	60.5 lbs	(27 kg)
with twin line M105 valve	76.5 lbs	(35 kg)	62 lbs	(28 kg)
UL Classified to NFPA 1936	NFPA Compliant		NFPA Compliant	



2035

## Manual/Pneumatic Pumps



Model	HTW 300B	HTW 700ABU	FTW 1800	HTW 1800	HTT 1800	AHS 1400 FDU
pump	2-stage hand pump	2-stage hand pump	2-stage foot pump	2-stage foot pump	3-stage hand pump	air-powered pump
max. output per stroke	0.3 in <sup>3</sup> / stroke	0.6 in <sup>3</sup> / stroke	1.7 in <sup>3</sup> / stroke	1.7 in <sup>3</sup> / stroke	1.7 in <sup>3</sup> / stroke	58 in <sup>3</sup> / min
usable oil contents	0.32 qts	0.74 qts	1.9 qts	1.9 qts	1.9 qts	1.5 qts
weight ready for use	9 lbs	17.5 lbs	25.3 lbs	25.3 lbs	39 lbs	15 lbs

# DPU31 Compact Duo Pump



## FEATURES

- **Simultaneous operation of any two rescue tools**
  - Hydraulic oil contents of 2.6 qts (2490 cc) is sufficient to operate two rescue tools at the same time
- **Low weight of 55 lb (25 kg)**
  - Can easily be carried by one person. Many countries' occupational health and safety regulations state that one person is not allowed to carry objects heavier than 55 lb (25 kg).
- **Low noise level of 69.3 dB**
  - More comfortable for the victim, no negative effect on the victim's condition
  - Provides better working environment for rescuers
- **Incorporates all the advantages & benefits of CORE Technology™**
- **Sight gauges at the front**
  - For easy checking of hydraulic oil and fuel levels
- **LED lighting above the couplers**
  - Easy identification of pump location in the dark
  - Easy coupling and uncoupling in the dark

**Simultaneous operation of two tools** - With 2.6 qts (2490 cc) of hydraulic oil, you can operate two tools at the same time, and at they'll both operate faster\* using this new DPU31.



\* compared to a DPU30 or DPU60

**POWERED by HONDA**



Translucent tanks offer a clear view of the hydraulic fluid and fuel levels



Integrated LED lights over couplers are on when the engine is running and require no batteries



Model	DPU31
Equipped with	CORE Technology™
Max. operating pressure	10,500 psi (720 bar)
Engine	Honda 3.5 hp, 4-stroke
Noise level*	69.3 dB
Number of tools that can be operated simultaneously	2
Contents fuel tank	1.3 qts (1250 cc)
Effective contents hydraulic fluid **	2.6 qts (2490 cc)
Number of hours of continuous usage (no load)	4
Output 1 <sup>st</sup> stage < 2758 psi (190 bar) (2x)	171-183 in <sup>3</sup> /min (2800-3000 cc/min)
Output 2 <sup>nd</sup> stage > 2758 psi (190 bar)(2x)	34-37 in <sup>3</sup> /min (550-600 cc/min)
Dimensions (L x W x H)	23 <sup>5</sup> / <sub>8</sub> x 11 <sup>7</sup> / <sub>16</sub> x 16 <sup>3</sup> / <sub>4</sub> in (600 x 290 x 425 mm)
Weight ready for use	55 lb (25 kg)
UL Classified to NFPA 1936	NFPA Compliant

\* Noise level with 2 tools at max. pressure, acc. to EN 13204: 81.2 dB

\*\* When placed horizontally. Under 20° angle, according to EN 13204: 2190 cc

## Multi-tool Pumps

All units have a max. working pressure of 10,500 psi ( 720 bar)

Model	DPU30	
motor	Honda GX100 3.0 hp	
pump type	2x two stage radial piston pumps	
capacity fuel tank	1.5 qts	(1.4 liters)
usable hydraulic oil	3.2 qts	(3.0 liters)
output 1 <sup>st</sup> stage (2,900 psi)	2 x 131 in <sup>3</sup> /min	(2 x 2150 cc/min)
output 2 <sup>nd</sup> stage (10,500 psi)	2 x 27.5 in <sup>3</sup> /min	(2 x 450 cc/min)
dimensions (L x W x H)	19 <sup>5</sup> / <sub>8</sub> " x 13 <sup>1</sup> / <sub>4</sub> " x 16"	(500 x 337 x 406 mm)
weight ready for use (Twin)	61 lbs	(27.6 kg)
weight ready for use (Core™)	60.5 lbs	(27.4 kg)
UL Classified to NFPA 1936	NFPA Compliant	



DPU30

Model	DPU 60 P		DPU 60 PH	
motor	4 stroke Briggs & Stratton 5-hp		4 stroke Honda 5.5-hp	
pump type	2x two stage radial piston pump		2x two stage radial piston pump	
capacity fuel tank	1.06 qts	(1.0 liters)	1.06 qts	(1.0 liters)
usable hydraulic oil	4.23 qts	(4.0 liters)	4.23 qts	(4.0 liters)
output 1 <sup>st</sup> stage (2,200 psi)	2 x 134 in <sup>3</sup> /min	(2 x 2200 cc/min)	2 x 162 in <sup>3</sup> /min	(2 x 2655 cc/min)
output 2 <sup>nd</sup> stage (10,500 psi)	2 x 30 in <sup>3</sup> /min	(2 x 490 cc/min)	2 x 30 in <sup>3</sup> /min	(2 x 490 cc/min)
dimensions (L x W x H)	19 <sup>3</sup> / <sub>4</sub> " x 15 <sup>3</sup> / <sub>4</sub> " x 21 <sup>3</sup> / <sub>4</sub> " (502 x 400 x 553 mm)		19 <sup>3</sup> / <sub>4</sub> " x 15 <sup>3</sup> / <sub>4</sub> " x 21 <sup>3</sup> / <sub>4</sub> " (502 x 400 x 553 mm)	
weight ready for use (Twin)	103 lbs	(46.8 kg)	106 lbs	(48 kg)
weight ready for use (Core™)	100 lbs	(45.4 kg)	103 lbs	(46.7 kg)
UL Classified to NFPA 1936	NFPA Compliant		NFPA Compliant	



DPU60PH

Model	DPU 60 E 115 V		DPU 60 E 230 V	
motor	Electric motor 2.0 hp 115V 60 Hz		Electric motor 3.0 hp 230V 60 Hz	
pump type	2x two stage radial piston pump		2x two stage radial piston pump	
usable hydraulic oil	4.23 qts	(4.0 liters)	4.23 qts	(4.0 liters)
output 1 <sup>st</sup> stage (2,200 psi)	2 x 134 in <sup>3</sup> /min	(2 x 2200 cc/min)	2 x 162 in <sup>3</sup> /min	(2 x 2655 cc/min)
output 2 <sup>nd</sup> stage (10,500 psi)	2 x 30 in <sup>3</sup> /min	(2 x 490 cc/min)	2 x 30 in <sup>3</sup> /min	(2 x 490 cc/min)
dimensions (L x W x H)	19 <sup>3</sup> / <sub>4</sub> " x 15 <sup>3</sup> / <sub>4</sub> " x 21 <sup>3</sup> / <sub>4</sub> " (502 x 400 x 553 mm)		19 <sup>3</sup> / <sub>4</sub> " x 15 <sup>3</sup> / <sub>4</sub> " x 21 <sup>3</sup> / <sub>4</sub> " (502 x 400 x 553 mm)	
weight ready for use (Twin)	110 lbs	(50 kg)	123 lbs	(56 kg)
weight ready for use (Core™)	107 lbs	(48.5 kg)	120 lbs	(54.5 kg)
UL Classified to NFPA 1936	NFPA Compliant		NFPA Compliant	



DPU60E

Model	MPU 60 P		MPU 60 PH		MPU 60 E	
motor	4 stroke Briggs & Stratton 5-hp		Honda GXV160, 5.5-hp		230 VAC, 12 amp, 3.0-hp	
pump type	3x two stage radial piston pump					
capacity fuel tank	1.06 qts	1.0 liters	1.06 qts	1.0 liters	-	-
usable hydraulic oil	5.3 qts (5.0 liters)					
output 1 <sup>st</sup> stage (up to 190 bar)	3 x 129 in <sup>3</sup> /min (3 x 2110 cc/min)					
output 2 <sup>nd</sup> stage (10,500 psi)	3 x 40 in <sup>3</sup> /min (3 x 660 cc/min)					
dimensions (L x W x H)	19 <sup>3</sup> / <sub>4</sub> " x 15 <sup>3</sup> / <sub>4</sub> " x 21 <sup>3</sup> / <sub>4</sub> " ( 502 x 400 x 553 mm)					
weight ready for use (Twin or Core™)	111 lbs	50.3 kg	116 lbs	52.5 kg	137 lbs	62 kg



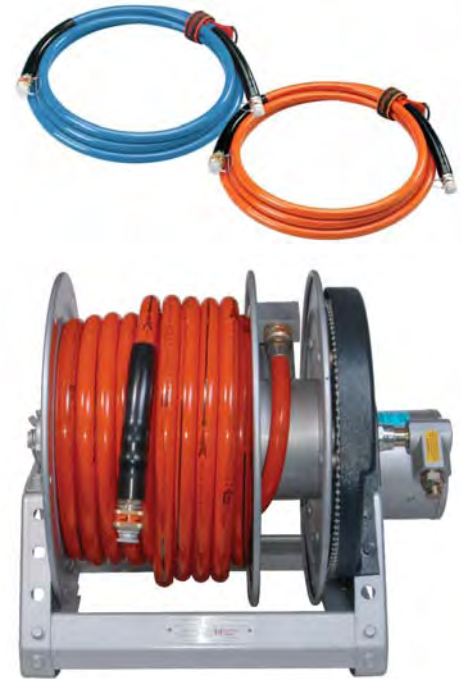
MPU60P

# CORE Technology™ Hydraulic Hose & Hose Reels

Model	CORE Technology™ Hydraulic Hose	
bend restrictors	black injection molded rubber	
standard available lengths	16, 32 & 50 ft.	5, 10 & 15 m
primary features	shielded pressure CORE & auto return valve built into coupler	
available colors	orange, green, blue, black	
complies with NFPA 1936	YES	



Model	DHR100C (CORE Technology™)	
weight ready to use (including hose)	89 lbs	40.5 kg
dimensions (L x W x H)	19" x 21½" x 18⅛"	(483 x 546 x 460 mm)
finish available	Painted or Polished Steel (painted shown)	
length of hose	100'	(33 m)



# Twin Line Hydraulic Hose & Hose Reels

Model	Black Rubber Hydraulic Hose	
bend restrictors	plastic type in five colors	
standard available lengths	16, 32 & 50 ft.	5, 10 & 15 m
primary feature	excellent flexibility, even in cold weather	
available colors	black with color coded bend restrictors	
complies with NFPA 1936	YES	

Model	Thermoplastic Hydraulic Hose	
bend restrictors	spring type	
standard available lengths	16, 32 & 50 ft.	5, 10 & 15 m
primary feature	excellent abrasion & cut resistance	
available colors	red, blue, green, black	
complies with NFPA 1936	YES	

Bend Restrictors



Model	2014 Single Hose Reel				2015 Twin Hose Reel			
	50 ft (15 m) hose		65 ft (15 m) hose		50 ft (15 m) hose		65 ft (15 m) hose	
length	50 ft (15 m) hose		65 ft (15 m) hose		50 ft (15 m) hose		65 ft (15 m) hose	
weight	41 lbs	18.6 kg	48 lbs	21.8 kg	76 lbs	34.5 kg	90 lbs	40.8 kg
dimensions (L x W x H)	25 x 11 x 18" (635 x 279 x 457 mm)				20 x 18 x 20" (508 x 457 x 508 mm)			
Complies with NFPA 1936	YES				YES			

Model	DHR100	
weight ready to use (including hose)	78 lbs	(35.4 kg)
dimensions (L x W x H)	20½" x 19" x 18⅛"	(521 x 583 x 460 mm)
finish available	Painted or Polished Steel (painted shown)	
length of hose	100'	(33 m)



## Rescue Assist Tools



HDO 100

### Hydraulic Door Opener Kit

Model	HDO 100	
Single acting hydraulic system includes six foot hose, hand pump and storage box		
stroke	5 1/8 inch	(130 mm)
spreading force	22,500 lbs	(100 kN)
weight ready for use*	14 1/2 lbs	(6.6 kg)
dimensions (L x W x H)*	11 3/4" x 4 3/4" x 4"	(299 x 120 x 102 mm)

\*tool only



3624



### 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 (Twin)	24 1/4 lbs	(11 kg)
weight ready for use (Core™)	21 1/4 lbs	(9.6 kg)
dimensions (L x W x H) (Twin)	28" x 9" x 8"	(711 x 230 x 203 mm)
dimensions (L x W x H) (Core™)	25 1/4" x 9" x 8"	(642 x 230 x 203 mm)

HMC 8U



### HMC8U Mini Cutter Kit

Model	HMC 8 U Kit	
Single acting hydraulic system includes six foot hose, hand pump and storage box		
cutting force	17,600 lbs	(78.3 kN)
depth of jaw	1 1/2"	(40 mm)
width of jaw	1 1/2"	(40 mm)
weight ready for use*	7 lbs	(3kg)
dimensions (L x H)*	9 3/8" x 3"	(240 x 75 mm)

\*tool only

3005



### 3005 Mini Cutter

Model	3005	
cutting force	29,225 lbs	(130 kN)
blade opening	1 1/2 inch	(40 mm)
spreading force	7,000 lbf	(31 kN)
weight ready for use (Twin)	8.5 lbs	(3.8 kg)
weight ready for use (Core™)	7 lbs	(3.2 kg)
dimensions (L x W x H) (Twin)	18" x 2 3/4" x 5"	(457 x 69 x 125 mm)
dimensions (L x W x H) (Core™)	14" x 2 3/4" x 5"	(356 x 69 x 125 mm)

## Rescue Assist Tools

Model	HLJ 50 A 6		HLJ 50 A 10	
	lifting capacity	114,750 lbs	510 kN	114,750 lbs
closed length	6 inch	150 mm	7¾ inch	196 mm
stroke	2¾ inch	61 mm	4 inch	104 mm
weight ready for use	15½ lbs	7 kg	20 lbs	9 kg

### Aluminum Jacks



HLJ 50 A6

HLJ 50 A10

Model	TJ 3610	
maximum capacity (in the middle of saddle)	26,500 lbs	12 metric tons
maximum force (on toe)	22,000 lbs	10 metric tons
lifting height / plunger stroke	10 inch	250 mm
closed height	17⅝ inch	448 mm
minimum insertion height toe	2¼ inch	56 mm
weight ready for use	45 lbs	20.5 kg

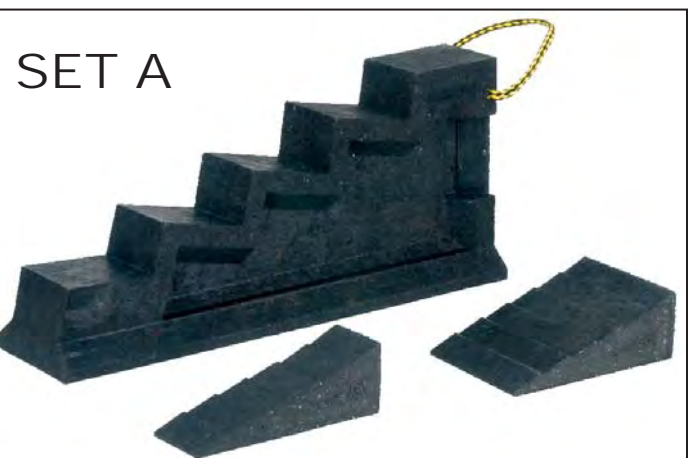
### Toe-Jack



TJ 3610

Component	approx. dimensions (L x W x H)	Set A qty.	Set B qty.
step chock	24½" x 6" x 10¾" (622 x 152 x 273 mm)	2	-
small 3" (75mm) wedge	9" x 3" x 3" (229 x 76 x 76 mm)	2	2
large 6" (150 mm) wedge	9" x 6" x 3" (229 x 152 x 76 mm)	2	2
thin lock block	9" x 9" x 1" (229 x 229 x 25 mm)	-	2
medium lock block	9" x 9" x 2" (229 x 229 x 51 mm)	-	2
thick lock block	9" x 9" x 3" (229 x 229 x 76 mm)	-	2

### Chocks & Blocks



# S.C.R.T.™ (Self Contained Rescue Tools)



Model	BCT 3120 Combi Tool		BCU 3010 Cutter	
max. spreading travel	10½ inch	(268 mm)	-	-
max. spreading force ( at back of tips)	11,690 lbs	(52 kN)	-	-
max. cutting force (in notch)	49,000 lbs	(218 kN)	56,920 lbs	(253 kN)
max. cutting force (blade center)	18,660 lbs	(82 kN)	22,930 lbs	(102 kN)
max. pulling force	6,600 lbs	(29.3 kN)	-	-
max. pulling distance	12 7/8 inch	(327 mm)	-	-
dimensions (L x W x H)	28" x 12" x 9"	(712 x 305 x 230 mm)	26" x 12" x 9"	(659 x 305 x 230 mm)
weight ready for use	33 lbs	(14.8 kg)	32 lbs	(14.4 kg)



## S.C.R.T.™ Accessories



Packages		
Package	Qty.	Component Description
Standard	1	BCT 3120 Combi or BCU 3010 Cutter
	1	120V AC Charger
	2	24 Volt Batteries
	1	Carry Strap
Deluxe	1	Standard Package
	1	Pelican® Case with custom inserts
	1	DC Power Cord

1. Additional Batteries
2. Battery Pouch
3. Pelican® Case
4. Soft Side Case
5. 12V DC Battery Charger
6. 120V AC Battery Charger
7. Carry Strap
8. Soft Carry Pack
9. DC Power Cord (12V-24V DC input)
10. Pulling Chains
11. Pulling Adapters

## Lifting Bags (high pressure)

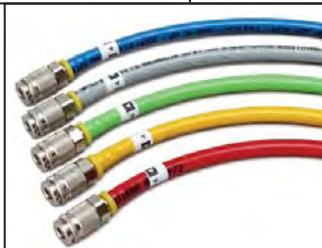


Model	Nom. Cap. Ton (M. Ton)	Max. Eff. Force lbs.	Max. Infl. Height in. (mm)	Dim. L x W in. (mm)	Weight lb. (kg)	Thickness in. (mm)	Air Volume liter
HLB1	1.1 (1)	2240	3 (80)	5.9 x 5.9 (150 x 150)	1.3 (0.6)	7/8 (22)	6.3
HLB3	3.6 (3.2)	7200	5 (130)	9 x 9 (228 x 228)	3.3 (1.5)	7/8 (22)	16.2
HLB5	5.6 (5.1)	11240	5.5 (150)	10.6 x 10.6 (270 x 270)	4.4 (2)	7/8 (22)	22.5
HLB10	11.2 (10.2)	22470	8 (215)	15 x 15 (380 x 380)	8.4 (3.8)	1 (25)	76.5
HLB12	13.5 (12.2)	26970	8.5 (225)	16 x 16 (408 x 408)	11 (5)	1 (25)	90
HLB18	20.2 (18.3)	40450	9 (240)	26 x 14 (660 x 360)	15 (6.8)	1 (25)	171
HLB20	22.5 (20.3)	44940	11 (290)	20 x 20 (508 x 508)	15 (6.7)	1 (25)	189
HLB24	27 (24.4)	53930	8 (215)	12.2 x 39.37 (310 x 1000)	21 (9.5)	1 (25)	216
HLB32	36 (32.6)	71910	14.5 (380)	25.9 x 25.9 (658 x 658)	28.5 (13)	1 (25)	450
HLB40	44 (40)	88090	15.5 (405)	28 x 28 (708 x 708)	33.5 (15.1)	1 (25)	558
HLB67	75 (68)	150550	20 (520)	35.75 x 35.75 (908 x 908)	52 (23.5)	1 (25)	1206



PKG No.	Bags Included in Package										
	HLB1	HLB3	HLB5	HLB10	HLB12	HLB18	HLB20	HLB24	HLB32	HLB40	HLB67
Pkg. 9	1	1	1								
Pkg. 32					1		1				
Pkg. 42						1		1			
Pkg. 44					1				1		
Pkg. 52					1		2				
Pkg. 56					1		1	1			
Pkg. 64					1		1		1		
Pkg. 120					1		1	1	2		
Pkg. 245					1	1	1	1	2	1	1

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



Accessories	Model
Shut-off hoses with built in pressure relief valve	SORV10U
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



## Lifting Bags (low pressure)



Lifting Bag Package	LAB 4 U	LAB 6 U	LAB 9 U	LAB 16 U
lifting capacity (per pair)	8,800 lbs	13,250 lbs	19,850 lbs	35,300 lbs
dimensions in storage bag (l x w)	27½ x 27½	33½ X 33½	41⅓ X 41⅓	52 X 52
weight per pair	20 Lbs	42 Lbs	61 Lbs	154 Lbs
height deflated	2⅓ inch	2⅓ inch	2⅓ inch	2⅓ inch
height inflated	24⅜ inch	24⅜ inch	24⅜ inch	24⅜ inch
air contents (per pair)	16 cu/ft	25 cu/ft	36 cu/ft	65 cu/ft



Each Package Contains	Item	Quantity
storage bag	A	1
lifting bags of equal capacity	B	2
special low pressure hose	C	2
twin air flow control unit	D	1
repair kit	E	1
10 ft. yellow air hose	—	1
pressure regulator for SCBA bottle	—	1



# PowerShore™ Stabilization Systems

## PowerShore™ Stabilization System

PowerShore™ is a patented and versatile shoring system consisting of many lightweight components that can be coupled quickly. A broad range of accessories and many cylinder and extension pipe lengths allows for quick and easy shoring of vehicles, trenches or buildings. The system is available with integrated pneumatic as well as very powerful integrated hydraulic lifting cylinders.

### AS 3 \*\*\* - STRUTS WITH HYDRAULIC CYLINDER

All struts are equipped on both sides with the female snap-lock system.  
All struts can be used with extension pipes and saddles.

locking system	model	article no.	retracted length (in)	stroke (in)	weight (lb)	working pressure (psi)	force at working pressure (kN/t)	oil contents at max. stroke (cc)
<b>Quick lock with integrated spacer (AS 3 Q** FL)</b> Plunger with automatic locking mechanism that locks in steps of 9 mm. Retracting the plunger is only possible after releasing the locking mechanism. The integrated spacer, a spring operated flex mechanism with 13 mm stroke, is used to overcome one 9 mm step of the quick lock system and creates a max. pretension in the strut of 4.0 kN.	AS 3 Q 5 FL	150.011.546	24.9	9.92	18.5	116	4.0 kN/0.45 t	0.72
	AS 3 Q 10 FL	150.011.545	43.0	9.92	24.7	116	4.0 kN/0.45 t	0.72
	AS 3 Q 15 FL	150.011.544	62.7	9.92	28.7	116	4.0 kN/0.45 t	0.72
	AS 3 Q 20 FL	150.011.526	82.4	9.92	32.6	116	4.0 kN/0.45 t	0.72
<b>Lock Nut (AS 2 L **+)</b> Plunger with thread and a lock nut. When the plunger is extended the lock nut can be secured. The pressure can then be released. Axial displacement per rotation is 16.5 mm.	AS 3 L 5 +	150.011.532	22.6	9.92	16.1	116	4.0 kN/0.45 t	0.72
	AS 3 L 10 +	150.011.531	40.7	9.92	22.3	116	4.0 kN/0.45 t	0.72
	AS 3 L 15 +	150.011.529	60.4	9.92	26.2	116	4.0 kN/0.45 t	0.72
	AS 3 L 20 +	150.011.527	80.1	9.92	30.2	116	4.0 kN/0.45 t	0.72

### HS 1 \*\*\* - STRUTS WITH HYDRAULIC CYLINDER

All struts are equipped on both sides with the female snap-lock system. Cylinders are single acting with spring return.  
All struts can be used with extension pipes and saddles.

locking system	model	article no.	retracted length (in)	stroke (in)	weight (lb)	working pressure (psi)	force at working pressure (kN/t)	oil contents at max. stroke (cc)
<b>Quick lock with integrated spacer (HS 1 Q** FL)</b> Plunger with automatic locking mechanism that locks in steps of 9 mm. Retracting the plunger is only possible after releasing the locking mechanism. The integrated spacer, a spring operated flex mechanism with 13 mm stroke, is used to overcome one 9 mm step of the quick lock system and creates a max. pretension in the strut of 4.0 kN.	HS 1 Q 5 FL	150.011.547	24.9	9.9	22.7	10,500	99.8 kN/11.2 t	346
	HS 1 Q 10 FL	150.011.536	43.0	9.9	28.7	10,500	99.8 kN/11.2 t	346
	HS 1 Q 15 FL	150.011.534	62.7	9.9	32.6	7,107	68.0 kN/7.6 t	346
<b>Lock Nut (HS 1 L **+)</b> Plunger with thread and a lock nut. When the plunger is extended the lock nut can be secured. The pressure can then be released. Axial displacement per rotation is 16.5 mm.	HS 1 L 5 +	150.011.543	22.6	9.9	20.3	10,500	99.8 kN/11.2 t	346
	HS 1 L 10 +	150.011.537	40.7	9.9	26.2	10,500	99.8 kN/11.2 t	346
	HS 1 L 15 +	150.011.535	60.4	9.9	30.2	7,107	68.0 kN/7.6 t	346



Vehicle Stabilization



Trench Rescue



Building Collapse

# PowerShore™ Stabilization Systems

- ✓ Hydraulic
- ✓ Mechanical
- ✓ Pneumatic



MS 2L * ** - MECHANICAL STRUTS						
Struts are equipped on both sides with the female snap-lock system. Struts can be used with extension pipes and saddles.						
locking system	model	article no.	retracted length (in)	stroke (in)	weight (lb)	
<b>Thread</b> Plunger with thread at both ends. When the plunger is extended the thread is self-retaining. Axial displacement per rotation is 16.5 mm.	MS 2 L 2 +	150.011.538	9.8	4.7	7.7	
<b>Lock Nut</b> Plunger with thread and a lock nut. When the plunger is extended the lock nut can be secured. Axial displacement per rotation is 16.5 mm.	MS 2 L 5 +	150.011.533	22.6	9.9	14.8	

EXTENSION PIPES						
The extension pipes are equipped with the male snap-lock system on one side and the female snap-lock system on the other side, except model FX 1. The FX 1 connector is used to connect the male end of an extension pipe with one of the saddles. In this way it is possible to make a fixed strut.						
model	article no.	approx. length mm (in.)	color code	weight (lb)	working load up to (kN/t)	
SX 1	150.011.501	125 (5)	white	3.307	99.8 kN/11.2 t*	
SX 2	150.011.502	250 (10)	blue	4.189	99.8 kN/11.2 t*	
SX 5	150.011.503	500 (20)	yellow	6.173	99.8 kN/11.2 t*	
SX 10	150.011.504	1000 (39)	green	10.141	99.8 kN/11.2 t*	
SX 15	150.011.506	1500 (59)	red	14.110	99.8 kN/11.2 t*	
FX 1	150.011.505	125 (5)	-	3.086	99.8 kN/11.2 t*	

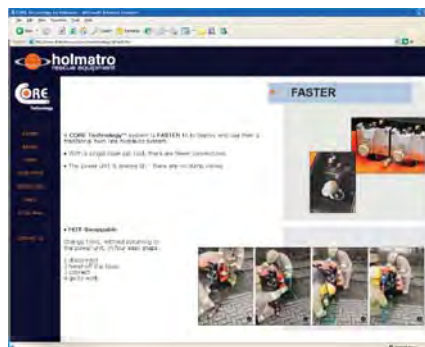
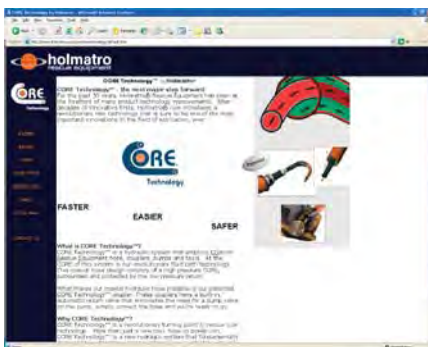
\* depending on total length

ACCESSORIES		
A full range of accessories are available to compliment PowerShore™ Systems.		
<p>Hydraulic pumps &amp; hoses</p>	<p>Pneumatic controllers, hoses &amp; regulators</p>	<p>Various saddle attachments, base plates, wrenches and tensioning systems provide flexibility for any shoring scenario</p>



For more information visit our website:

[www.holmatro-usa.com](http://www.holmatro-usa.com)



Holmatro® Rescue Equipment was founded in 1967 and has grown to become one of the world's largest manufacturers of high-pressure hydraulic rescue equipment. The Holmatro® product range includes hydraulic cutters, spreaders, combi-tools, rams and power units, pneumatic lifting bags, shoring systems and many rescue assist tools and accessories. These products are all designed to meet international norms and standards, including EN, NFPA and Underwriters Laboratories. Holmatro® has manufacturing facilities in the Netherlands, Poland and the U.S.A. and sales & service points worldwide.



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