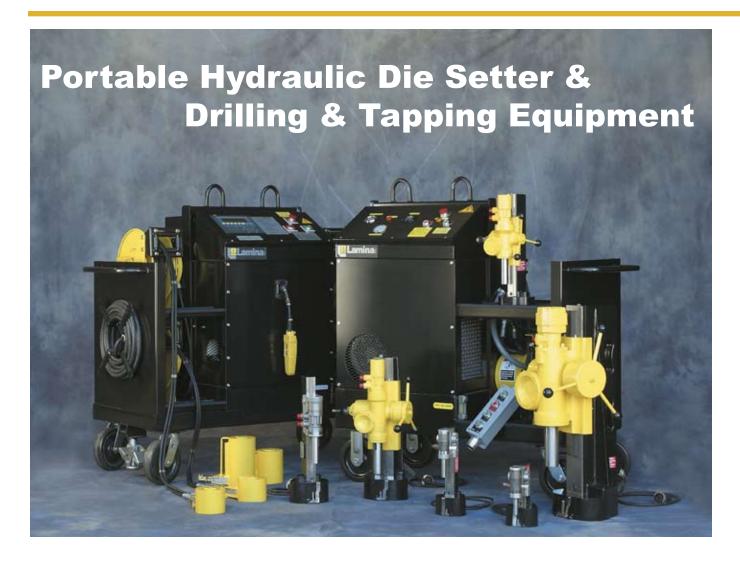




Lamina Hydraulics



Lamina Hydraulics has moved into the new millenium with upgraded, user friendly electronic technology. These products are more efficient, quieter and easy to use.

Drilling Equipment – Product offering includes: Heavy-duty, portable hydraulic power unit and a choice of six drill heads which work interchangeably with the power unit.

Die Setting Equipment – Product offering includes: Heavy-duty, portable hydraulic Die Setter with retractable hose reels, a choice of hydraulic cylinders, and a set of cribbing rings and pads. Available with four or six cylinders.

Die Separating Equipment – Product offering includes: Heavy-duty, portable hydraulic Die Separator with retractable hose reels, a choice of hydraulic cylinders and a set of cribbing rings and pads.



Table of Contents

General Information2	
Power Unit	4
Drill Heads	
A10048SH, #1 Stub	5
A10048SH Accessories, Drills, Taps, Adaptors	
A10048H, #1 Morse	5
B10065H, #3 Morse	6
B10065P, #3 Morse	6
B15075P, #4 Morse	
H15010P, #5 Morse	7
Die Setter, Four Cylinder Model	
Die Setter, Six Cylinder Model	6
Die Separator	10
Die Setter accessories	
Rental & Service Information	12

Industries Served:

- Metal Stamping
- Nuclear Power
- Ship Building
- Mining
- Construction
- Oil Pipelines
- Oil Rigging
- Bridge Building

For over 30 years *Lamina* is the name in portable hydraulic drilling equipment.

The Lamina Portable Heavy-Duty Drill is versatile enough to go almost anywhere, providing continuous heavy duty drilling and tapping, even in the most cramped quarters. The compact drill delivers remarkable power in openings as narrow as 9-1/4 inches. Furthermore, the drill's magnetic base attaches to the drilling surface at almost any angle, including vertically and horizontally.

The Experienced Edge. Lamina has long been recognized as a leader in portable hydraulic drill technology. For over 30 years Lamina has provided a cross-section of American industry with a durable, high-power portable drill. Our team of engineers has combined power and portability in a single drill, allowing it to effectively function in a broad spectrum of applications.

Now with the addition of electronics, the unit exceeds former expectations and offers more power and efficiency, automatic hose reels, more safety features and lower noise level. The Portable Heavy-Duty Electronic/Hydraulic Die Setter is an important addition to the Lamina Hydraulic Equipment line. This unit has truly proved itself since it was first offered in 1998.

Owners of the Lamina Die Setter are pleased with its low maintenance, dependability and high load capabilities. The electronics help maintain precise levels when raising and lowering the most-off center weight distribution.

The Six Cylinder Die Setter was designed and developed for oversized dies that require extra lift at the center to keep the die level during separation.

For those applications where precision is not an issue and where the need is only to separate dies, a **Portable Heavy-Duty Hydraulic Die Separator** is available which includes all the features of the Portable Heavy-Duty Die Setter without the electronics.

Lamina Hydraulic Equipment features rugged steel construction. It is built to last...and take rough handling. With the lifting bales these units are portable enough to be placed almost anywhere they are needed.



Lamina Hydraulics

Hydraulic Power Unit

Compact cart is easily moved right to the job site.

44.5 inches long x 24.5 inches wide x 54.5 inches high, mounted on casters, equipped with 15 feet of hydraulic pressure hoses, with quick disconnect fittings. Electrical controls conform to National Electrical Manufacturers Association (N.E.M.A.) standards, complete with start and stop controls, and a remote pendant speed control. The main electrical panel includes a 12V 60 amp, deep cycle battery with rectifier charger operating from voltage listed in table below. Complete with oil, hoses and connectors. Remote speed control is standard.



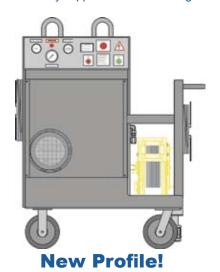
New Control console complete with:

Battery Voltage Gage Oil Pressure Gage Power Indicator Light Electronic Oil Level Display Hour Meter **Emergency Stop Button**

- 15' of hydraulic hoses on Power Unit
- 7-1/2' of hydraulic hoses on Drill head
- 30' of electrical cable to cart
- 30' of control cable to pendant box
- 6' of cable on drill head to pendant box
- Maximum flow rate of 12 gallons per minute (GPM)
- Standard Operating Pressure of 1550 1600 pounds per square inch (PSI)
- Oil required: Mobil® DTE-13 (15 gallons) (ISO 32)
- Back-up Battery Gel Cell 60 amp Deep Cycle—F.A.A. approved
- Foot Brake
- Lifting Bale

Our standard remote speed regulator can change speeds (GPM) remotely and conveniently by merely pushing the increase or decrease button on the pendant control.

There is no loss of magnetic force if service power fails; 12-volt battery automatically supplies current for magnet.





Automatic battery charger maintains top level charge in battery (audio alert when not charging).

Oil is always radiator-cooled before returning to tank.

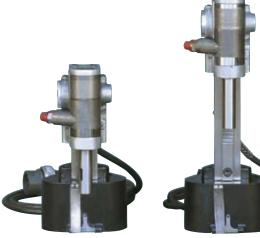
By-pass valve prevents tap breakage when unusual load conditions are present, and permits bottoming tap within recommended range of each head.

In addition, by using a simple shunt device, the unit may be used in any number of applications requiring a hydraulic power unit. To order this shunt device, please specify part number ASSY-21.

PART	VOLTAGE		WEIGHTS	CRATE DIMENSIONS			
NUMBER		with oil	without oil	(inches)			
HPU220	220	990	890	59 H x 38 W x 66 L			
HPU380	380	990	890	59 H x 38 W x 66 L			
HPU440	440	990	890	59 H x 38 W x 66 L			
HPU575 575		990	890	59 H x 38 W x 66 L			
HPU600	600	990	890	59 H x 38 W x 66 L			
HPUCE380*	380	1070 970		59 H x 38 W x 66 L			
* For export, meets with CF standards							

Drill Heads A10048SH & A10048H

- Compact smaller head available in two column lengths
- Drills up to 13/16 inch (20.6mm) in solid steel without pilot hole
- Drills up as well as down, even horizontally
- Fits in tight spaces
- Rugged



A10048SH #1 Stub Taper

A10048H #1 Morse Taper

- Drill Capacity—AISI 1020 Steel
- Tap Capacity—AISI 1020 Steel
- Motor Horsepower
- Maximum Torque
- Variable R.P.M. to
- Feed Method
- Tool Shank A10048SH
- Tool Shank A10048H
- Magnet Capacity (Pull Force)
- Magnet Size
- Weight A10048SH
- Shipping Weight A10048SH
- Crate Dimensions A10048SH: Height Width Length
- Weight A10048H
- Shipping Weight A10048H
- Crate Dimensions A10048H: Height Width Length
- Serial Number Prefix

13/16 Inch Diameter 3/4–10 threads per inch 5.21 Hp 525 inch pounds 625 RPM Hand #1 Stub Taper

#1 Morse Taper 1200 pounds force

4-7/8 inches

22 pounds 28 pounds

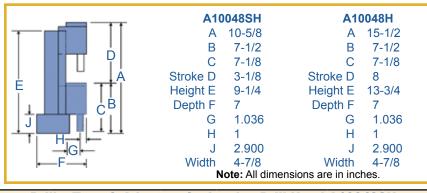
9-1/4 inches 9-1/4 inches 10-3/4 inches

26 pounds 33 pounds

9-1/4 inches 9-1/4 inches 15 inches CH

Drilling or tapping cannot begin until the magnet is turned on.

Step drilling of slightly larger diameter holes is possible.



Drill heads can be fixtured for special applications.

Drill heads can be ordered without magnetic bases. Please specify "-NMB" suffix.

	Drills, Taps & Adaptors for Lamina Drill Head A10048SH								
Drills & Taps	INCH				MET	TRIC		Adapters	
	Drill Number	Flute Dia.	Flute Length	Overall Length	Drill Number	Flute Dia	Flute Length	Overall Length	
	HDD-312	.260	1.15	3.12	MD-675	6.75	50.80	95.25	-
61300 - 10	HDD-375	.316	1.62	3.12	MD-8.5	8.5	57.15	95.25	
	HDD-500	.432	1.56	3.12	MD-10.2	10.2	66.55	107.95	HDE-1
Lamina Drills #1 Stub Taper	HDD-625	.541	2.00	3.56	MD-14.0	14.0	73.15	114.30	EXTENSION
Exclusive to Lamina	HDD-750	.666	2.38	3.94	MD-17.5	17.5	73.15	114.30	#1 Stub to #1 Stub
	Tap Number	Thread Dia.	Threads per Inch	Thread Length	Tap Number	Thread Dia.	Thread Pitch	Thread Length	/
	HDT-312	5/16	18	1.38	T-M8	8	1.25	35.05	
Communication of the last of t	HDT-375	3/8	16	1.62	T-M10	10	1.50	41.15	
***************************************	HDT-500	1/2	13	1.62	T-M12	12	1.75	41.30	HDA-3-1
Lamina Taps #1 Stub Taper Exclusive to Lamina	HDT-625	5/8	11	1.88	T-M16	16	2.0	47.75	ADAPTER
LAGIUSIVE (O LAITIIIIA	HDT-750	3/4	10	1.88	T-M20	20	2.5	47.75	#3 Morse to #1 Stub



Lamina Hydraulics

Drill Head B10065H

Drilling or tapping cannot begin until the magnet is turned on.



21-1/2 В 10-1/16 C Stroke D 11-7/16 Ė Height E 20-3/4 Depth F 9 1.78 J Н 1-3/8 3-1/2 **4**G Width 6-1/2 Note: All dimensions are in inches.

- Drill Capacity

 AISI 1020 Steel
- Tap Capacity—AISI 1020 Steel
- Motor Horsepower
- Maximum Torque
- Variable R.P.M. to
- Feed Method
- Tool Shank
- Magnet Capacity (Pull Force)
- Magnet Size
- Weight
- Shipping Weight
- Crate Dimensions Height Width Length
- Serial Number Prefix

1 inch diameter (25.4mm) 1 inch-8 threads per inch

6.64 Hp

1000 inch pounds

420 RPM Hand

#3 Morse Taper

2300 pounds force 6-1/2 inches

44 pounds

68 pounds

12 inches

11 inches

22-1/2 inches

Drill Head B10065P

Drilling or tapping cannot begin until the magnet is turned on.

special applications.

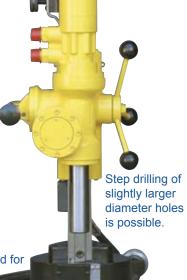
Drill heads can be ordered without magnetic bases. Please specify "-NMB" suffix.

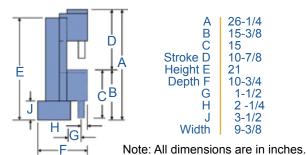
Automatic power feed heads can be used both in manual and power feed operations.

Automatic powerfeed heads have limit switches that prevent operation of drill head if magnetic base becomes dislodged.

Drill heads can be fixtured for special applications.

Drill heads can be ordered without magnetic bases. Please specify "-NMB" suffix.





26-1/4 В 15-3/8 C 15 Stroke D 10-7/8 Height E 21 10-3/4 Depth F G 1-1/2 Н 2 - 1/43-1/2Width 9-3/8

Drill Capacity

– AISI 1020 Steel

- Tap Capacity— AISI 1020 Steel
- Motor Horsepower
- Maximum Torque
- Variable R.P.M. to
- Feed Method
- · Optional Power Feed
- Tool Shank
- Magnet Capacity
- Magnet Size Weight
- Shipping Weight
- Crate Dimensions: Height Width
- Lenath Serial Number Prefix

1 inch diameter (25.4mm)

1 inch-8 threads per inch 6.64 Hp

1000 inch pounds

420 RPM Power (.005 inches per revolution)

.0025 inches per revolution #3 Morse Taper

2300 pounds 6-1/2 inches 54 pounds 75 pounds

12 inches 11 inches 22-1/2 inches

CB



Drill Head B15075P

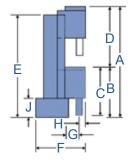
Drilling or tapping cannot begin until the magnet is turned on.

Automatic power feed heads can be used both in manual and power feed operations.

Automatic powerfeed heads have limit switches that prevent operation of drill head if magnetic base becomes dislodged.

Drill heads can be fixtured for special applications.

Drill heads can be ordered without magnetic bases. Please specify "-NMB" suffix.



30-1/2 В 19-3/8 С 18-3/4 11-1/8 Stroke D Height E 24 Depth F 17 2.250 2-1/8 Н 3-1/2 Width 14

Note: All dimensions are in inches.

- Tap Capacity—AISI 1020 Steel 1-1/4 inch—7 threads per inch
- Motor Horsepower
- Maximum Torque
- · Variable R.P.M. to
- Feed Method
- Optional Power Feed
- Tool Shank
- Magnet Capacity (Pull Force)
- Magnet Size
- Weight

Step drilling of

slightly larger

is possible.

diameter holes

- Shipping Weight
- Crate Dimensions:

Height Width Length

Serial Number Prefix

Drill Capacity

– AISI 1020 Steel 1-1/2 inch diameter (38.1mm)

6.66 Hp

1400 inch pounds

300 RPM

Power (.0075 inches per revolution)

.0037 inches per revolution

#4 Morse Taper 3200 pounds

7-1/2 inches

108 pounds

140 pounds

14-3/4 inches 14-3/4 inches 25-1/2 inches

E

Drill Head H15010P

Drilling or tapping cannot begin until the magnet is turned on.

Automatic power feed heads can be used both in manual and power feed operations.

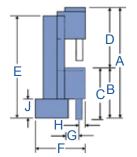
Automatic powerfeed heads have limit switches that prevent operation of drill head if magnetic base becomes dislodged.

Drill heads can be fixtured for special applications.

Drill heads can be ordered without magnetic bases. Please specify "-NMB" suffix.



(



41-3/4 В 23-9/16 25 C Stroke D 18-3/16 Height E 33-3/8 Depth F 21 2.536 G 2-3/4 Н 3-5/8 Width 17-5/8

Note: All dimensions are in inches.

• Drill Capacity-AISI 1020 Steel 2 inches (50.8mm)

Tap Capacity—AISI 1020 Steel

Motor Horsepower

Standard Maximum Torque

Optional Maximum Torque

· Variable R.P.M. to

· Optional R.P.M. to

Feed Method

Optional Power Feed

Tool Shank

Magnet Capacity

Magnet size

Weight

· Shipping weight

· Crate Dimensions:

Height Width Length

· Serial No. Prefix

2 inch-6 threads per inch

8.30 std./9.48 opt.

3397 inch pounds

5159 inch pounds

154 RPM 115 RPM

Power (.010 inch per revolution)

.005 inch per revolution

#5 Morse Taper 6000 pounds 10 inches 255 pounds

315 pounds 24 inches

17 inches 36 inches





The Go Anywhere, Do-It-All Die Setting Solution

One compact, low-profile, wheeled cabinet contains everything you need for all the punch spotting, die setting, and die separation jobs in your shop.

Electronic Die Setter – 4 Cylinders



Unit Weight: 1000 pounds (with oil)

900 pounds (without oil)

Voltage: 240V 3 Phase 60 MHz

480V 3 Phase 60 MHz 575V 3 Phase 60 MHz 380V 3 Phase 50 MHz

Dimensions: 25 inches wide

53 inches high 50 inches long

Package Includes:

- Die Setter Unit
- Electronic Controls
- 4 cylinders
- 25 feet of hose on each of 4 retractable hose reels
- Pendant control
- 30 feet of electrical cable to cart

Each unit has two modes of operation:

- 1. Unify Mode Cylinders will extend until they all contact the die, then they will lift uniformly.
- 2. Parallel Mode Cylinders will all extend at the same rate. To initiate this mode, cylinders must be fully extended or retracted.
- Heavy-duty hydraulic power handles the heaviest dies with state-of-the-art electronic PLC control for precision and accuracy.
- Handy self-retracting hose reels and control pendant keep every jobsite neat, and protect hoses and cables from damage.
- Three different cylinder sizes are available, along with strong, lightweight cribbing blocks to extend their strokes to handle your biggest jobs.
- Completely portable with large casters and built-in lifting bails, the Lamina Electronic Die Setter is the Go-Anywhere, Do-It-All Die Setting Solution you've been looking for.

Oil required: Mobile® DTE-13 (15 gallons) (ISO 32)

Standard Safety Features

- Low voltage, three-button pendant for two hand control
- Quick Disconnect Fittings
- Palm Emergency Stop
- Cylinder Safety Lock Cartridge Valves
- Cart Foot Brake
- Lifting Bales

LIFTING CAPACITY						
Lifting Mode	Minimum	Maximum				
Unify-4 cylinder	2.6 Tons	40 Tons				
Parallel-4 cylinder	0 Tons	40 Tons				



Saves time and money!

Most economical die setting solution available!

Warning-always use safety blocks when reaching inside of dies.

ELECTRONIC DIE SETTER OPTIONS							
Die Setter – 4 Cylinder 220V Power Source 380V Power Source 440V Power Source 600V Power Source							
With 4 inch Cylinders/Cribbing Blocks	EDS40TKIT4-220	EDS40TKIT4-380	EDS40TKIT4-440	EDS40TKIT4-600			
With 6 inch Cylinders/Cribbing Blocks	EDS40TKIT6-220	EDS40TKIT6-380	EDS40TKIT6-440	EDS40TKIT6-600			
With 9 inch Cylinders/Cribbing Blocks	EDS40TKIT9-220	EDS40TKIT9-380	EDS40TKIT9-440	EDS40TKIT9-600			



For Larger, Heavier Dies

For oversized dies that require extra lift at the center to keep the die level during separation. Ideal for dies with six safety pad areas.

Electronic Die Setter – 6 Cylinders





Unit Weight 1374 pounds (with oil)

1274 pounds (without oil)

Voltage: 240V 3 Phase 60 MHz

480V 3 Phase 60 MHz 575V 3 Phase 60 MHz 380V 3 Phase 50 MHz

Dimensions: 25 inches wide

53 inches high 50 inches long

Package Includes:

- Die Setter Unit
- Electronic Controls
- 6 cylinders
- 25 feet of hose on each of 6 retractable hose reels
- Pendant control
- 30 feet of electrical cable to cart

Each unit has two modes of operation:

- 1. Unify Mode Cylinders will extend until they all contact the die, then they will lift uniformly.
- 2. Parallel Mode Cylinders will all extend at the same rate. To initiate this mode, cylinders must be fully extended or retracted.
- Heavy-duty hydraulic power handles the heaviest dies with state-of-the-art electronic PLC control for precision and accuracy.
- Handy self-retracting hose reels and control pendant keep every jobsite neat, and protect hoses and cables from damage.
- Three different cylinder sizes are available, along with strong, lightweight cribbing blocks to extend their strokes to handle your biggest jobs.
- Completely portable with large casters and built-in lifting bails, the Lamina Electronic Die Setter is the Go-Anywhere, Do-It-All Die Setting Solution you've been looking for.

Oil required: Mobile® DTE-13 (15 gallons) (ISO 32)

Standard Safety Features

- Low voltage, three-button pendant for two hand control
- Quick Disconnect Fittings
- Palm Emergency Stop
- Cylinder Safety Lock Cartridge Valves
- Cart Foot Brake
- Lifting Bales

_								
	LIFTING CAPACITY							
	Lifting Mode	Minimum	Maximum					
	Unify–6 cylinder	3.9 Tons	60 Tons					
	Parallel–6 cylinder	0 Tons	60 Tons					
	Unify–4 cylinder	2.6 Tons	40 Tons					
Г	Parallel-4 cylinder	0 Tons	40 Tons					



Saves time and money!

Most economical die setting solution available!

Warning-always use safety blocks when reaching inside of dies.

ELECTRONIC DIE SETTER OPTIONS							
Die Setter – 6 Cylinder 220V Power Source 380V Power Source 440V Power Source 600V Power So							
With 4 inch Cylinders/Cribbing Blocks	EDS60TKIT4-220	EDS60TKIT4-380	EDS60TKIT4-440	EDS60TKIT4-600			
With 6 inch Cylinders/Cribbing Blocks	EDS60TKIT6-220	EDS60TKIT6-380	EDS60TKIT6-440	EDS60TKIT6-600			
With 9 inch Cylinders/Cribbing Blocks	EDS60TKIT9-220	EDS60TKIT9-380	EDS60TKIT9-440	EDS60TKIT9-600			



Introducing a new Die Separator with optional lifting power... An effective solution to your die separating problems.



Unit Weight: 1000 pounds (with oil)

900 pounds (without oil)

240V 3 Phase 60 MHz Voltage:

> 480V 3 Phase 60 MHz 575V 3 Phase 60 MHz

380V 3 Phase 50 MHz

25 inches wide Dimensions:

53 inches high

50 inches long

Package Includes:

- Die Separator Unit
- Mechanical Controls
- 4 cylinders
- 25 feet of hose on each of 4 retractable hose reels
- Pendant control
- 30 feet of electrical cable to cart

Your choice of 20 ton (40,000 pounds) or 40 ton (80,000 pounds) maximum capacity!

Each unit has two modes of operation:

- 1. Unify Mode Cylinders will extend until they all contact the die, then they will lift uniformly.
- 2. Parallel Mode Cylinders will all extend at the same rate. To initiate this mode, cylinders must be fully extended or retracted.
- Low voltage, three-button pendant for two hand control
- Controls on console
- Standard Lamina safety features
- Self-retracting hose reels and control pendant
- Three cylinder sizes with cribbing blocks
- Easy-to-roll casters and built-in lifting bails

Oil required: Mobile® DTE-13 (15 gallons) (ISO 32)

LIFTING CAPACITY-20 Ton Model							
Lifting Mode	Minimum	Maximum					
Unify-4 cylinder	2.6 Tons	20 Tons					
Parallel-4 cylinder							
LIFTING CAPACITY-40 Ton Model							
Lifting Mode	Minimum	Maximum					
Unify-4 cylinder	2.6 Tons	40 Tons					
Parallel-4 cylinder	0 Tons	40 Tons					



DIE SEPARATOR OPTIONS							
Die Separator 20 ton Capacity	220V Power Source	380V Power Source	440V Power Source	600V Power Source			
With 4 inch Cylinders/Cribbing Blocks	LDS20TKIT4-220	LDS20TKIT4-380	LDS20TKIT4-440	LDS20TKIT4-600			
With 6 inch Cylinders/Cribbing Blocks	LDS20TKIT6-220	LDS20TKIT6-380	LDS20TKIT6-440	LDS20TKIT6-600			
With 9 inch Cylinders/Cribbing Blocks	LDS20TKIT9-220	LDS20TKIT9-380	LDS20TKIT9-440	LDS20TKIT9-600			
Die Separator 40 ton Capacity							
With 4 inch Cylinders/Cribbing Blocks	LDS40TKIT4-220	LDS40TKIT4-380	LDS40TKIT4-440	LDS40TKIT4-600			
With 6 inch Cylinders/Cribbing Blocks	LDS40TKIT6-220	LDS40TKIT6-380	LDS40TKIT6-440	LDS40TKIT6-600			
With 9 inch Cylinders/Cribbing Blocks	LDS40TKIT9-220	LDS40TKIT9-380	LDS40TKIT9-440	LDS40TKIT9-600			



Hydraulic Cylinders



These versatile cylinders come in three stock sizes, 4 inch, 6 inch and 9 inch (closed). They cover a stroke range of 1-1/2 to 6-1/4 inches to serve a large variety of applications. Each cylinder features a convenient carrying handle for ease of set-up and storage. Lamina cylinders incorporate pilot operated safety valves with double hoses and hose guards. Call today to discuss your specific application needs.

PART NUMBER	Capacity per Cylinder (pounds)	Total Capacity per 4 Cylinders (pounds)	Total Capacity per 6 Cylinders (pounds)	Closed Shut Height (inches)	Stroke (inches)	Outside Diameter (inches)	
ASSY-40T-4	20,000	80,000	120,000	3-7/8	1-1/2	4-3/4	
ASSY-40T-6	20,000	80,000	120,000	5-7/8	3-1/4	4-3/4	
ASSY-40T-9	20,000	80,000	120,000	8-7/8	6-1/4	4-3/4	
ASSY-40T-4-LDS*	20,000	80,000	N/A	3-7/8	1-1/2	4-3/4	
ASSY-40T-6-LDS*	20,000	80,000	N/A	5-7/8	3-1/4	4-3/4	
ASSY-40T-9-LDS*	20,000	80,000	N/A	8-7/8	6-1/4	4-3/4	
DS-210	Universal kit for above Lamina Hydraulic Cylinders						
*Exclusively for I	_amina Die S	Separator (LD	OS model)				

Cribbing Rings & Pads



For stable load support use Lamina Cribbing Rings and Pads to safely increase the stroke of your Lamina Hydraulic Cylinders. Lamina recommends always using Hydraulic Cylinders with Cribbing Rings and Pads in conjunction with safety blocks when operating the Lamina Die Setter. These cribbing devices can be used with most 4-3/4 inch diameter cylinders with cylinder rods up to 2 inches in diameter.

EDS108 Includes four lower rings and 1 "T" handle

Height: 1-1/2 inches

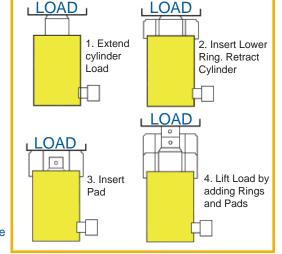
EDS109 Includes four upper rings

Height: 1-1/8 inches

EDS110 Includes four pads Height: 1-1/8 inches

- 1. Extend the cylinder and insert the bottom supporting ring using the "T" handle.
- 2. Retract the cylinder and insert a pad, again, using the "T" handle.
- 3. Extend the cylinder again, with the pad increasing the cylinder stroke.
- 4. Repeat the above process until the desired die separation is attended.

Not more than one Lower Ring, two Upper Rings and three Pads should be used with any one hydraulic cylinder.





Hydraulic Equipment Rental Program

Lamina offers a number of different programs to make it easier to purchase, rent or lease to own our hydraulic equipment.

Rental Program

The Lamina Rental Program is for customers who require the use of its equipment for a short period of time without the commitment of a capital expense. The rental charge is 10% of the current list price per week, with a minimum rental period of two weeks. Billing for the first two weeks rental begins when the equipment is shipped and will continue on a weekly basis until the equipment is returned.

Freight charges are the responsibility of the customer. Lamina will ship "Freight Collect", and the equipment must be shipped back "Prepaid". The shipping and receiving location is Anchor Lamina, 3650 South Derenzy Road, Bellaire, Michigan 49615. The rented equipment must be returned to the Bellaire location. Any product returned to our Farmington Hills office will be refused. Lamina Farmington Hills office has no loading or unloading facilities.

Damages resulting from abuse of the equipment will be the responsibility of the customer. All components must be returned with the rented equipment. All rental equipment must be returned in the original crating in reusable condition or a charge of \$1000.00 will be invoiced to cover the replacement of new crating.

On occasion, Lamina sells rental equipment. The rental equipment includes a warranty of 90 days. Contact the Lamina Customer Service at 800-652-6462 for availability.

Rental Credit Program

The Lamina Rental Credit Program is for customers who returned the rental equipment and decided to purchase

new equipment. Lamina will apply 50% of the rental fee, up to and including the fourth week of rental, toward the purchase of new equipment. Lamina will reduce the selling price of the new unit by the credit amount. The credit is offered on the same model that is rented and the offer is valid for 30 days after the completion of the rental.

Rent-To-Own Program

The Lamina Rent-to-Own Program is for customers who want to rent rather than purchase capital equipment. If you rent the equipment for 12 consecutive weeks, you own it. A full six month warranty applies.

Bring new life to your existing Lamina hydraulic equipment!

Perhaps your power unit isn't running as efficiently as it once did. We can fix that! Your drill head isn't moving up and down the column as smoothly as it should? We can make it like new!

Talk to one of our inside sales representatives and find out how easily we can bring new life to your used Lamina equipment.

Lamina can bring your equipment up to date, add lifting bales to your power unit and even a new coat of paint.

Call us today! Toll Free: 800-652-6462, Local 248-489-

9122; Fax: 248-553-6842, 800-406-4410;

Email: sales@lamina.com





Lamina Hydraulics

38505 Country Club Drive, Suite 100 Farmington Hills, MI USA 48331 Tel: 248-489-9122, 800-652-6462

Fax: 248-489-9122, 800-652-6462 Fax: 248-553-6842, 800-406-4410 Email: sales@lamina.com

www.anchorlamina.com