



HYDRAULIC PUMPS & PUNCHES

Hydraulic Pumps & Punches



Huskie Tools Ambassador
Bruce Oakes, Foreman
Company: Pike Electric
South Carolina

Bruce holds the R-14EF and SH-70M.



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HP-700

10,000 psi Hydraulic Hand Pump



The **HP-700** is a portable, tough, hydraulic steel pump that has two speed pumping pistons for rapid advance and an external adjustable pressure setting from 4,000 to 10,000 psi output. An internal oil bladder allows the tool to be used in any position.

Our exclusive replaceable, by-pass cartridge is standard in the HP-700. Field repairs and pressure adjustments can be made in minutes. Use our PG-1 gauge for pressure adjustments.

NOTE: When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

Specifications

Weight	20 lbs.
Length	23"
Oil Reservoir	44 cu/in fluid
1st Stage	.75 in ³ per stroke
2nd Stage	.14 in ³ per stroke

Features

- Two-Stage Pump Piston for Rapid Advance
- External Pressure Adjustment from 4,000-10,000 psi
- Can Be Operated in Any Position
- Knob Type Release Valve

FP-700

10,000 psi Hydraulic Foot Pump



The **FP-700** is a portable, tough, hydraulic steel pump that has two speed pumping pistons for rapid advance and an external adjustable pressure setting from 4,000 to 10,000 psi output. An internal oil bladder allows these tools to be used in any position.

Our exclusive replaceable, by-pass cartridge is standard in the FP-700. Field repairs and pressure adjustments can be made in minutes. Use our PG-1 gauge for pressure adjustments.

NOTE: When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

Specifications

Weight	25 lbs.
Length	28"
Oil Reservoir	44 in ³ fluid
1st Stage	.75 in ³ per stroke
2nd Stage	.14 in ³ per stroke

Features

- Two-Stage Pump Piston for Rapid Advance
- External Pressure Adjustment from 4,000-10,000 psi
- Can Be Operated in Any Position
- Knob Type Release Valve



R-14EF

1/2 HP, 10,000 psi Hydraulic Pump

Specifications

Weight	34 lbs.
Size	7"L x 6"W x 14"H
Power Output	1/2 HP-6.5 Amp
Delivery @ 200 psi	157 in ³ /min
Delivery @ 10,000 psi	19 in ³ /min
Oil Capacity	120 in ³ (2 quarts)

Optional Accessories

REC-P1CASE	Steel Carrying Case, p. 94
URH-14	Remote Control Handle, p. 88
FS-14	Foot Switch, p. 88

Features

- Remote Operation Allows Full Operator Control
- Advance and Hold Feature Standard
- Manual Control Directly on Pump Motor
- Pressure Adjustment from 4,000-10,000 psi



The **R-14EF** remote operated pump gives the operator complete control. Push buttons permit the user to advance and retract at will. The user is never committed to a full cycle, and can always back off at any time during the advance even under pressure. This feature increases efficiency because cuts and crimps can be adjusted as necessary, simply by stopping the advance or retract mode. A 10-foot remote control cable provides both safety and convenience. The user can set up an operation and then move away from the work site before engaging the tool. An over-ride switch on the pump allows full control at the pump motor. The low amperage of this pump allows it to be used virtually anywhere. The pressure can be easily adjusted between 4,000 and 10,000 psi and determined by using our PG-1 in-line gauge. Consult factory for proper adjusting procedure.

NOTE: When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

R-14EA

3/4 HP, 10,000 psi Single Acting Hydraulic Pump

Specifications

Weight	75 lbs. with Oil
Size	14"L x 13.25"W x 16"H
Power Output	3/4 HP - 8.2 Amp
Delivery @ 300 psi	157 in ³ /min
Delivery @ 10,000 psi	36 in ³ /min
Oil Capacity	182 cu/in (3 quarts)

Optional Accessories

URH-14	Remote Control Handle, p. 88
FS-14	Foot Switch, p. 88

Features

- Remote Operation Allows Full Operator Control
- Manual and Automatic Mode for Additional Versatility
- 3/4 HP Rating
- Low Amperage Requirement



The **R-14EA** is a fully remote controlled, single acting, 10,000 psi, electric pump. The two button hand control allows the user to advance, hold, or release at any time. When 10,000 psi is reached, the pump will automatically shut off and hold until the operator pushes the release button to retract the tool. There is an auto cycle switch that allows the operator to push the advance button and the pump will automatically advance, run to 10,000 psi and release. This feature is mostly used for production crimping and cutting where the operator must have the freedom of both hands. A remote foot control pedal is optional.

NOTE: When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).



R-14EAD

3/4 HP, 10,000 psi Double Acting Hydraulic Pump



The **R-14EAD** is a fully remote controlled, double acting, 10,000 psi, electric pump. The hand control allows the user to advance or release at any time. There is an auto cycle switch that allows the operator to push the advance button and the pump will automatically advance, run to 10,000 psi and release. This feature is used mostly for production crimping and cutting, where the operator must have the freedom of both hands. A remote foot control pedal is optional.

NOTE: When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

Specifications

Weight	75 lbs. with Oil
Size	14"L x 13.25"W x 16"H
Power Output	3/4 HP - 8.2 Amp
Delivery @ 300 psi	157 in ³ /min
Delivery @10,000 psi	36 in ³ /min
Oil Capacity	182 cu/in (3 quarts)

Optional Accessories

FS-14	Foot Switch, p. 88
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Features

- Remote Operation Allows Full Operator Control
- Manual and Automatic Mode for Additional Versatility
- Low Amperage Requirement

HPG-4

4 HP, Gas Engine 10,000 psi Hydraulic Pump



The **HPG-4** is a self-contained high pressure pump, with manual operation. It is equipped with a 4 HP Briggs & Stratton engine. A four-way valve controls the hydraulic fluid direction for the advance and retract modes. One double acting tool can be operated or two single acting tools at one time. Connection to one port for single acting tools will work since the control valve will dump the fluid when shifted to the retract position. The pump is very compact and comes with carrying handles.

NOTE: When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

Specifications

Weight	74 lbs. with Oil
Oil Capacity	5 Gallons
Gas Tank	3 Pints
Max Pressure	10,000 psi
Power Output	4 HP
Oil Delivery @ 100 psi	480 in ³ /min
Oil Delivery @ 10,000 psi	55 in ³ /min

Features

- Four Way Valve Allows for Single or Double Acting Capacity
- Standard Screw Type Male and Female Couplers



RC-5
Optional Roll/
Carry Cage



REC-P1 ROBO*PUMP

10,000 psi Battery Powered 28.8 Volt Pump

Specifications

Output	10,000 psi
Weight	23 lbs. with 2 Batteries
Size	16" L x 6" H x 10" D

Crimping Estimates

	2 BP-80
Using a 10 ft. Hose and EP-60W on 1272 ACSR	12
No Load Cycle Time	Advance 25 Sec., Retract 30 Sec.

Optional Accessories

FS-14	Foot Switch, p. 88
URH-14	Remote Handle, p. 88
REC-P1CASE	Steel Carrying Case, p. 94

Features

- Powerful 28.8 Volt
- Operate Up to Single Acting 60 Ton Press
- Adjustable 10,000 psi
- Eliminates the Need for AC Power
- Compact and Portable



The Huskie **REC-P1** is a 28.8 volt, battery operated hydraulic pump that runs on two 14.4 Volt Huskie BP-80 series batteries. The REC-P1 is supplied with a push button remote control that allows the operator to advance, hold, and retract when needed. The user is never committed to a full cycle and can always back off at any time during the advance— even when the pump is under pressure. High pressure, non-conductive hose can be attached to a 360° moveable swivel port on the pump. This swivel port allows the user to position the hose to fit in confined aerial buckets and manholes.

Both batteries must be inserted in the pump to operate. It is recommended to operate the pump with a 10 foot hose, up to a maximum of 20 feet. A longer hose will cause cycle times to increase.

We recommend you specify the Huskie SC-Series flush face dripless couplers, as not to deplete the oil in the reservoir when changing heads.

For additional ordering information, please refer to page 10.



SH-270M

35 Ton Hydraulic Steel Punch



The portable **SH-270M** punch was designed to punch holes through 1/2" mild steel, aluminum and copper. The punched hole size is 1/16" larger than your bolt size. A stripper guide extends on either side of the ram to strip the material after punching. This hand-held unit will operate from any 10,000 psi hydraulic pumping source.

Some uses include the punching of bus bars, tower iron, railing, I-beams and truck frames. Custom size punch and dies are available upon request. Oval and square sizes are also available. Consult factory for order information. The SH-270M and SH-270F comes complete with four sets of punch and die sizes for 3/8", 1/2", 5/8" and 3/4" bolts and carrying case.

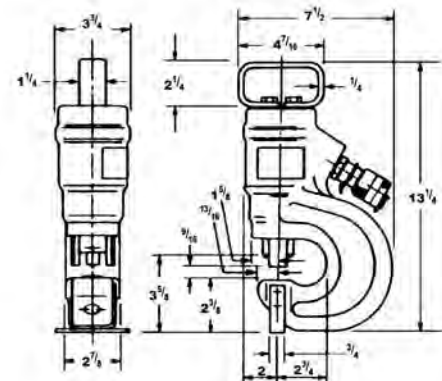
NOTE: USE ONLY 10,000 psi RATED HOSE.

Specifications	
Output	35 Ton
Weight	28 lbs.
Capacity	1/2" Thick Mild Steel
Max. Hole	13/16" Diameter
Dimensions	14" x 8" x 3.5"
Throat Depth	2.75"

Order Data	
SH-70M	Steel Punch with Male Coupler
SH-70F	Steel Punch with Female Coupler

Features	
<ul style="list-style-type: none"> • Punches UP TO 1/2" Mild Steel • 13/16" Max Hold Diameter • Will Punch: Oval, Round, Square, and Slotted Holes • Custom Sizes Available • Operates from a 10,000 psi Pump Source 	

Round Dies		
ITEM	DESCRIPTION	BOLT SIZE
SHD-18	1/8" Punch & Die Set	
SHD-316	3/16" Punch & Die Set	
SHD-14	1/4" Punch & Die Set	
SHD-932	9/32" Punch & Die Set	
SHD-516	5/16" Punch & Die Set	
SHD-38	3/8" Punch & Die Set	
SHD-716	7/16" Punch & Die Set 10.5	3/8"
SHD-12	1/2" Punch & Die Set	
SHD-916	9/16" Punch & Die Set 13.5	1/2"
SHD-58	5/8" Punch & Die Set	
SHD-1116	11/16" Punch & Die Set 17.5"	5/8"
SHD-34	3/4" Punch & Die Set	
SHD-1316	13/16" Punch & Die Set 20.5	3/4"



Oblong Dies		
ITEM	DESCRIPTION	BOLT SIZE
SHD-516X1316	5/16" X 13/16" Oblong Punch & Die Set	
SHD-38X1316	3/8" X 13/16" Oblong Punch & Die Set	
SHD-716X1316	7/16" X 13/16" Oblong Punch & Die Set	3/8"
SHD-12X38	1/2" X 3/8" Oblong Punch & Die Set	
SHD-12X34	1/2" X 3/4" Oblong Punch & Die Set	
SHD-12X1316	1/2" X 13/16" Oblong Punch & Die Set	
SHD-916X34	9/16" X 3/4" Oblong Punch & Die Set	1/2"
SHD-916X1316	9/16" X 13/16" Oblong Punch & Die Set	1/2"
SHD-58X1316	5/8" X 13/16" Oblong Punch & Die Set	
SHD-1116X1316	11/16" X 13/16" Oblong Punch & Die Set	5/8"
SHD-34X1316	3/4" X 13/16" Oblong Punch & Die Set	

Square Dies	
ITEM	DESCRIPTION
SHD-14SQ	1/4" Square Punch & Die Set
SHD-38SQ	3/8" Square Punch & Die Set
SHD-716SQ	7/16" Square Punch & Die Set
SHD-12SQ	1/2" Square Punch & Die Set
SHD-1732SQ	17/32" Square Punch & Die Set
SHD-916SQ	9/16" Square Punch & Die Set

Hex Dies	
ITEM	DESCRIPTION
SHD-716HEX	7/16" Hex Punch & Die Set
SHD-916HEX	9/16" Hex Punch & Die Set
SHD-1116HEX	11/16" Hex Punch & Die Set
SHD-1316HEX	13/16" Hex Punch & Die Set



URH-14

Remote Control Handle

Specifications

Weight	3 lbs.
Size	8" L x 1.5" W x 6.5" H

Order Data

URH-14	Remote Control Handle
REC-URH	Remote Control Handle for REC-P1

Features

- For Use with All Electrical and Battery Operated Single Acting Pumps
- Allows Operator One Hand Control at the Tool Head
- 10 Foot Cord



The **URH-14** remote control handle is for use with the R-14EF, R-14EA and REC-P1 pumps. It is equipped with a standard 3/8" high pressure coupler that can be easily matched to your existing tool head. A 10 foot, three wire control cable can be hooked directly to the R-14EF or hard wired to any pump that has similar remote control features. The URH-14 weighs only three pounds and is made of tough, durable, molded plastic with a double insulated on/off switch.

FS-14

Foot Switch

Specifications

Weight	4.2 lbs.
Size	9.5" L x 7" W x 3" H

Optional Accessories

URH-14	Remote Control Handle
FS-14	Foot Switch

Features

- For Use with All Electrical and Battery Operated Single Acting Pumps
- Allows Operator "Hands Free" Control of Advance and Retract Pump Mode
- 10 Foot Cord



The **FS-14** was designed to replace our pendant hand control on pump models R-14EF, R-14EA, R-14EAD and REC-P1. This foot control allows the operator to free his hands for better control of his work load. It has a green pedal for the advance mode and a red pedal for the retract mode. The FS-14 is mostly used in work bench applications.



NC-SERIES

10,000 psi High Pressure Hydraulic Hose



Our high pressure, non-conductive **NC-SERIES** hoses and couplers are rated at 10,000 psi working pressure. The hose ends are covered with a thick clear jacket of heavy duty shrink wrap to reduce the risk of hose bursts at these points. They are also date coded during assembly. As a result of injuries sustained by operators of hydraulic products via broken or damaged high pressure hoses Huskie has developed a replacement hose improvement program for our customers. Consult your representative for information. Our hoses come standard with 3/8" male/female couplers.

NOTE: FOR OPERATOR SAFETY WE RECOMMEND HOSE REPLACEMENT AFTER 3 YEARS.

Order Data

NC-1606	3/16" x 6'
NC-1610	3/16" x 10'
RB-1610	3/16" x 10' (Rubber Bound)
NC-1615	3/16" x 15'
NC-1620	3/16" x 20'
NC-1625	3/16" x 25'
NC-450	1/3" x 50' (1/4" NPT Standard Ends)

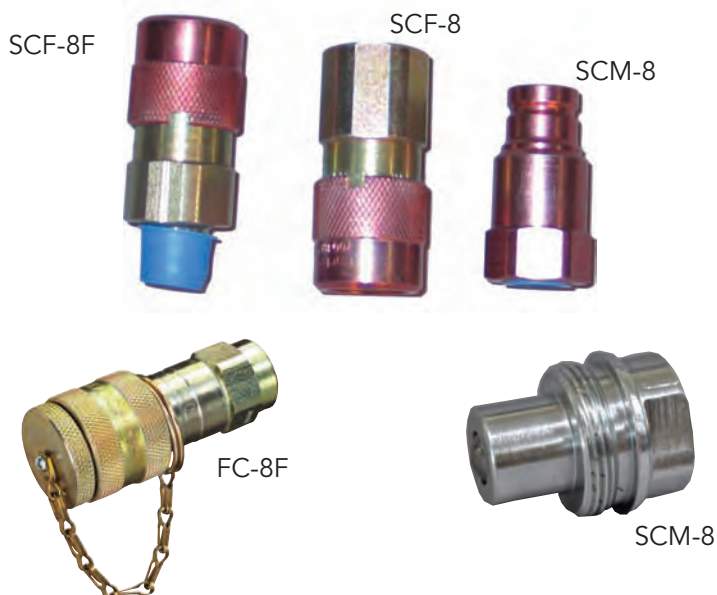
3/8" NPT hose ends standard. 1/4" NPT also available. Any combination of high pressure couplers are available. Simply specify the kind you require when ordering.

Features

- Highly Visible Safety Orange (RB-1610 is Brown)
- Heavy Duty Shrink Wrap at Hose Ends for Reduced Risk of Leaking
- Date Coded at Point of Assembly

SC-SERIES

10,000 psi High Pressure Flush Face Couplers



The **SC-SERIES** are flush face, snap-type couplers for use in high pressure applications. They are not interchangeable with low pressure flush face couplers. Positive connect or disconnect prevents tool failure due to partial coupled halves of conventional screw-type couplers.

Specifications

Hose End	3/8" NPT
Threaded End	3/8" NPT
Working Pressure	10,000 psi
Minimum Burst Pressure	
Coupled	34,800 psi
Uncoupled	29,000 psi
Hand Connection	250 psi at 150 lbs.
Fluid Loss Per Disconnection	.035 ml

Order Data

SCF-8F	Female Half with Female Port
SCF-8	Female Half with Male End
SCM-8	Male Half with Female Port
FC-8F	Female Half with Female Port
FC-8	Female Half with Male Port
DC-SCF	Female Cap

Features

- 10,000 psi Operating Pressure Marked on Both Halves
- Simple Quick Connect and Disconnect
- Twist Sleeve Lock to Prevent Accidental Disconnect
- Flush Face, NON-DRIP Valving, Both Halves

HYDRAULIC PUMPS & PUNCHES



Hydraulic Oil

Order Data

HF-5G	5 Gallon Container
HF-1G	Gallon Container
HF-1Q	Quart Container
HF-5GRED	Red Hydraulic Fluid for Low Temperatures
HF-1GRED	Red Hydraulic Fluid 1 Gallon
HG-1QRED	Red Hydraulic Fluid Quart



Huskie Tools offers replacement **Hydraulic Oil** in three sizes for any service needs. It is our own MV-32 clear hydraulic fluid and can be used in all of our hydraulic products. This fluid can also be added to other clear hydraulic fluids for filling or topping off a hydraulic circuit. Do not mix with other red or blue colored hydraulic fluids as this will "gel" and cause the tool or pump to malfunction. A complete MSDS is available from Huskie Tools upon request.

