

PROFESSIONAL LIFTING EQUIPMENT



**HEIN-WERNER
AUTOMOTIVE**



Porto-Power
BLACKHAWK AUTOMOTIVE



4 TON PORTO-POWER KIT

B65114

4 Ton Porto-Power Kit

4-ton capacity model gives you the pushing and spreading power you need to make fast and easy work of everyday repairs.

- Snap-lock design for quick, easy assembly
- Automatic pump overload system protects against damage to rams and equipment
- 4 ton kit comes in a blow molded plastic case
- Heavy walled extension tubes stand up in tough applications
- Flex head features permanently molded rubber pad—interlocked to prevent separation
- Long handles provide low pumping effort
- 1/2 ton capacity hydraulic spreader features 2" jaws and spreads from 5/8" to 3-3/4"



- | | |
|----------------------------------|--------------------------------------|
| A. B65067 • Plastic Case | K. B65152 • 90° V Base |
| B. B65186 • 4 Ton Hydraulic Pump | L. B65151 • Serrated Saddle |
| C. B65187 • 4 Ton Hydraulic Ram | M. B65161 • 19-1/2" Extension Tube |
| D. B65291 • 6' Hose w/ Coupler | N. B65160 • 16-1/2" Extension Tube |
| E. B65178 • Rubber Head | O. B65159 • 8-1/2" Extension Tube |
| F. B65156 • Flat Base | P. B65158 • 6" Extension Tube |
| G. B65123 • 1/2 Ton Spreader | Q. B65157 • 3" Extension Tube |
| H. B65155 • Ram Toe | R. B65177 • Male Connector |
| I. B65154 • Plunger Toe | S. B69477 • Female Coupler, 1/4" NPT |
| J. B65153 • Wedge Head | T. B69478 • Male Coupler, 1/4" NPT |

Model	Ram Capacity	Pump Capacity	Ram		Ram Effective Area	G.W.
			Closed Height	Extended Height		
B65114	4 Ton	8,000 PSI	11"	15-3/4"	1.0 in ²	46 Lbs.

10 TON PORTO-POWER KIT

B65115 10 Ton Porto-Power Kit

The 10 ton capacity model gives you the extra muscle you need to get the job done right.

- Snap-lock design for quick, easy assembly
- Automatic pump overload system protects against damage to rams and equipment
- Heavy walled extension tubes stand up in tough applications
- Flex head features permanently molded rubber pad—interlocked to prevent separation
- Long handles provide low pumping effort
- 1/2 ton capacity hydraulic spreader features 2" jaws and spreads from 5/8" to 3-3/4"
- Custom fitted, rugged blow molded storage case with wheels for easy movement between jobs



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|-----------------------------------|--------------------------------|--------------------------------------|
| A. B65068 • Mobile Case | H. B65172 • Plunger Toe | O. B65163 • 18" Extension Tube |
| B. B65188 • 10 Ton Hydraulic Pump | I. B65123 • 1/2 Ton Spreader | P. B65164 • 10" Extension Tube |
| C. B65189 • 10 Ton Hydraulic Ram | J. B65167 • Serrated Saddle | Q. B65165 • 4" Extension Tube |
| D. B65291 • 6' Hose w/ Coupler | K. B65173 • 90° V Base | U. B69477 • Female Coupler, 1/4" NPT |
| E. B65179 • Male Connector | L. B65169 • Ram Toe | V. B69478 • Male Coupler, 1/4" NPT |
| F. B65168 • Flat Base | M. B65166 • Wedge Head | |
| G. B65180 • Rubber Head | N. B65162 • 27" Extension Tube | |

Model	Ram Capacity	Pump Capacity	Ram		Ram Effective Area	G.W.
			Closed Height	Extended Height		
B65115	10 Ton	10,000 PSI	13-5/8"	19-3/4"	2.4 in ²	88 Lbs.



20 TON PORTO-POWER KIT

B65041

20 Ton Porto-Power Kit

20 Ton Porto-Power set provides extra capacity for the toughest assignments. Two-speed pump extends ram quickly saving time and money.

Versatile attachments provide broad range of function. Automatic two speed pump speeds ram to load, then shifts power stroke. With this set, spread materials apart and pull heavy duty machinery and sections. This is a heavy duty set makes all bull-work repairs easier.



- A. B65073 • Wood Chest
- B. B65775 • Chain Pull Plate
- C. B65768 • 24" Extension Tube
- D. B65766 • 18" Extension Tube
- E. B65764 • 10" Extension Tube
- F. B65762 • 5" Extension Tube
- G. B65760 • 3" Extension Tube
- H. B65770 • Connector
- I. B65772 • V Head
- J. B65776 • Threaded Coupling (3)
- K. B65421 • 2 Speed Automatic Pump
- L. B97518 • 8' Chain w/ hook
- M. B65773 • Wedge Head
- N. B65771 • Saddle (2)
- O. B65740 • 20 Ton Ram
- P. B65593 • 6' Hydraulic Hose
- Q. B65774 • Lifting Toe
- R. B65779 • Plunger Base
- S. B65778 • Ram Base
- T. B65581 • Male Coupler, 3/8" NPT
- U. B65582 • Female Coupler, 3/8" NPT

Model	Ram Capacity	Ram		Ram Effective Area	G.W.
		Closed Height	Extended Height		
B65041	20 Ton	10-13/16"	16-3/4"	5.14 in ²	206 Lbs.



HYDRAULIC HAND PUMPS

B65122

Hydraulic Hand Pump

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B65421

Hydraulic Hand Pump

- Lightweight and compact design
- Aluminum pump head for maximum corrosion resistance
- Two speed operation reduces handle strokes by as much as 78% over single speed pumps
- Lower handle effort to minimize operator fatigue
- Handle lock and lightweight construction for easy carrying
- Internal pressure relief valve for overload protection



B65421

B65122

Model	Capacity	Output Displacement Per Stroke		Operating Force	Piston Stroke	Oil Outlet Port	G.W. (with fluid)
		1 st Stage	2 nd Stage				
B65122	21.4 in ³	0.18 in ³	0.05 in ³	88 Lbs.	0.98"	1/4"-18NPTF	7 Lbs.
B65421	61 in ³	0.81 in ³	0.14 in ³	132 Lbs.	0.82"	3/8"-18NPTF	13 Lbs.

FLAT BODY RAMS

B65139

5 Ton Flat Body Kit

- 5 Ton flat body kit includes a blow mold case and 4 adapters (0.25", 0.5", 1" and 1.25")
- Magnetic adapters are stackable U.S. Patent No.7,237,762 b2

B65140

4 Ton Flat Body Ram



B65139



B65140



HYDRAULIC HAND PUMPS & FLAT BODY RAMS

Model	Capacity	Stroke	Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Dimension	Plunger Diameter	Base To Intel Port	Base Mounting Hole		G.W.	Operating Pressure	Coupler
										Hole Diameter	Hole Distance			
B65140	4 Ton	0.63"	1.1 in ²	0.69 in ³	1.63"	2.26"	2.26" X 1.58"	0.98"	0.74"	0.2"	1.1"	2 Lbs.	8,050 PSI	B69477
B65139	5 Ton	0.24"		0.26 in ³	1.26"	1.5"			0.80"					

AIR HYDRAULIC FOOT PUMPS

B65425 10,000 PSI Air Foot Operated Pump

- Maximum working pressure 10,000 PSI
 - High strength aluminum reservoir is lightweight and corrosion resistant
 - Suggested air pressure 110-175 PSI
 - Pressure relief valve for overload protection
 - Three-positions provide cylinder advance, hold, or retract operation
 - A compact yet powerful Air Turbo Motor is equipped to raise the load to the desired height efficiently, effortlessly, and safely
- U.S. Patent No. 5,341,723

Use
Standard Shop Air!
[110-175 PSI pressure]



B65425

B65426 10,000 PSI Air Foot Operated Pump

- Rugged construction built for long life and easy operation
 - Swivel coupling simplifies hydraulic connection and pump operation
 - Three-positions provide cylinder advance, hold, or retract operation
 - Operates in any position
 - Base mounting plate included
 - A compact yet powerful Air Turbo Motor is equipped to raise the load to the desired height efficiently, effortlessly, and safely
- U.S. Patent No. 5,341,723



B65426

Use
Standard Shop Air!
[110-175 PSI pressure]

B65427 10,000 PSI Air Foot Operated Pump

- Greater oil capacity to handle bigger jobs
 - Maximum working pressure 10,000 PSI
 - High strength aluminum reservoir is lightweight and corrosion resistant
 - Suggested air pressure 110-175 PSI
 - Pressure relief valve for overload protection
 - Three-positions provide cylinder advance, hold, or retract operation
 - A compact yet powerful Air Turbo Motor is equipped to raise the load to the desired height efficiently, effortlessly, and safely
- U.S. Patent No. 5,341,723

Use
Standard Shop Air!
[110-175 PSI pressure]



B65427

AIR HYDRAULIC FOOT PUMPS

Model Number	Usable Capacity	Rated pressure	Output Flow Rate (In ³ /min.)		Input Air Pressure	Output Port Threads	Input Port Threads	G.W. (with fluid)
			No Load	Load				
B65425	91.5 in ³	10,000 PSI	66	11	110-175 PSI	3/8"-18NPTF	1/4"-18 NPT	18 Lbs.
B65426	36.6 in ³		61	9				15 Lbs.
B65427	122 in ³		65	12				20 Lbs.

HYDRAULIC SETS



B65407

Use
Standard Shop Air!
[110-175 PSI pressure]

B65407 Hydraulic Set

- Combo includes B65426, B65593 and B65444
- Rugged construction – built for long life and easy operation
- Swivel coupling simplifies hydraulic connection and pump operation
- Three-positions provide cylinder advance, hold, or retract operation
- Operates in any position
- Base mounting plate included



B65428

Use
Standard Shop Air!
[110-175 PSI pressure]

B65428 Air Hydraulic Pump & Hose Combo

- Combo includes B65426 and B65293
- Rugged construction – built for long life and easy operation
- Swivel coupling simplifies hydraulic connection and pump operation
- Three-positions provide cylinder advance, hold, or retract operation
- Operates in any position
- Base mounting plate included

SPREADER



B65145

B65145 1 Ton Spreader

- Includes a B69477 Coupler
- Designed to work in confined working space
- Can be used with B65114 or B65115

Model	Capacity	Stroke	Cylinder Effective Area	Ram Collapsed Height	Ram Extended Height	G.W.
B65145	1 Ton	3.79"	1.09 in ²	0.47"	3.9"	5 Lbs.

HYDRAULIC SETS & SPREADER



HYDRAULIC RAMS

- Designed for use in all positions
- High strength alloy steel for durability
- Heavy duty return springs (except B65141)
- Baked enamel finish for increased corrosion resistance
- Collar thread protectors (except B65141)
- Rod wipers seal out contaminants
- Industrial hard chrome plated ram prevents rust corrosion



Regular Rams

Model	Capacity	Stroke	Effective Area
B65141	2 Ton	3.07"	0.76 in ²
B65553	5 Ton	3.07"	1.0 in ²
B65555		5.08"	
B65441	10 Ton	2.01"	2.24 in ²
B65446		5.94"	
B65449		9.96"	
B65746	25 Ton	5.94"	5.14 in ²

HYDRAULIC RAMS

B65141 B65441 B65553 B65555 B65446 B65746 B65449
Porto Power Rams

Model	Capacity	Stroke	Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Diameter	Plunger Diameter	Base To Intel Port	Base Hole Depth	G.W.	Operating Pressure	Coupler
B65150	4 Ton	5.0"	1.0 in ²	5.00 in ³	10.69"	15.69"	1.50"	0.88"	1.96"	1.54"	5 Lbs.	8,000 PSI	B69477
B65452	10 Ton	6.03"	2.24 in ²	13.44 in ³	14.59"	20.62"	2.26"	1.50"	3.15"	2.42"	12 Lbs.	8,950 PSI	B65582

Threaded Rams

- High quality threaded single acting cylinders
- Used to attach accessories to rod end and base

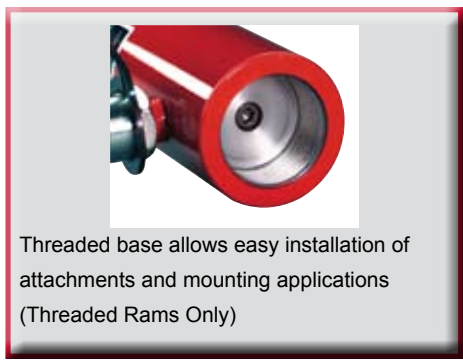
Model	Capacity	Stroke	Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Diameter	Plunger Diameter	Base To Intel Port	Plunger Outside Thread & Base Internal Thread	G.W.	Operating Pressure
B65142	4 Ton	5.07"	1.0 in ²	5.00 in ³	10.31"	15.39"	1.50"	1.0"	1.33"	3/4"-14 NPTF	5 Lbs.	8,000 PSI
B65442	10 Ton	6.1"	2.24 in ²	13.44 in ³	11.61"	17.72"	2.27"	1.5"	1.67"	1-1/4"-11.5 NPTF	11 Lbs.	8,930 PSI
B65444		10.12"		22.40 in ³	15.63"	25.75"					15 Lbs.	
B65740	20 Ton	5.16"	5.14 in ²	25.70 in ³	11.77"	16.93"	3.35"	2.24"	1.85"	2"-11.5 NPTF	22 Lbs.	7,780 PSI



Oil Capacity	Collapsed Height	Extended Height	Outside Diameter	Plunger Diameter	Base to Intel Port	Saddle Diameter	Base Mounting Hole			G.W.	Operating Pressure	Coupler
							Hole Diameter	Hole Distance	Hole Depth			
2.28 in ³	5.39"	8.46"	1.31"	0.87"	0.46"	1.0"	N/A	N/A	N/A	2 Lbs.	5,270 PSI	B69477
3.00 in ³	6.65"	9.72"	1.5"	1.0"	0.79"	0.98"	0.20"	1.00"	0.76"	4.1 Lbs.		
5.00 in ³	8.7"	13.78"			0.75"	1.38"	0.28"	1.54"	0.87"	4.9 Lbs.	8,930 PSI	
4.48 in ³	4.84"	6.85"	0.77"	9 Lbs.								
13.44 in ³	9.84"	15.78"		2.26"	1.49"		0.31"	0.55"	14 Lbs.			
22.31 in ³	13.86"	23.82"	3.35"	2.24"	0.98"	2.13"	0.4"	2.3"	1.0"	23.1 Lbs.	9,730 PSI	B65582
30.84 in ³	10.71"	16.81"								B65582		



Coupler
B69477
B65582
B65582



Threaded base allows easy installation of attachments and mounting applications (Threaded Rams Only)



FRAME STRAIGHTENER

B93601B 10 Ton Capacity Pulling Post Package

- Use with common pot patterns or chainless anchor system
- Longer/wide base for stability
- Safety tie-down brackets
- Utilizes 10" ram for longer pulls

B93601B Includes:

- A. B93600 • Pulling post
- B. B65428 • Pump/hose set
- C. B65444 • 10 Ton 10" stroke ram
- D. B97662 • 6' Chain with claw hooks (2)
- E. B97691 • 9' Chain with hook

Use
Standard Shop Air!
[110-175 PSI pressure]



B. B65428



C. B65444



D. B97662



E. B97691



B93601B

B93601B Replacement Accessories:

- B93650 • Post extension
- B93651 • Post lifting arm
- B93652 • Lever arm with pin
- B97520 • Double grab hook
- B97521 • Hook assembly
- B97540 • Chain tightener

Model	Capacity	Height	Base Size	Floating Pulley Position	G.W.
B93601B	10 Ton	59"	31" X 16"	10	164 Lbs.

B93075 Anchor Pot

- Arrange anchor pot in basic pattern or make additional bay installation.
- Designed with heavy-duty protective ring at top which prevents chipping of concrete. 3-1/8" diameter



B93075

FRAME STRAIGHTENER & ANCHOR POT



PULL RAMS

B65143

2 Ton Capacity Pull Ram with Hook

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B65454

5 Ton Capacity Pull Ram with Hook

- Pull rams are equipped with chain adapter claw hooks on each end
- Accept 3/8" chain links



B65454

B65143

Model	Capacity	Stroke	Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Diameter	Plunger Diameter	Top To Intel Port	Ram Outside Thread & Base Mounting Hole	G.W.	Operating Pressure	Coupler
B65143	2 Ton	5.0"	0.56 in ²	2.80 in ³	10.51"	15.51"	1.89"	0.75"	0.74"	3/4"-14 NPTF	7 Lbs.	7,150 PSI	B69477
B65454	5 Ton	5.55"	1.14 in ²	6.33 in ³	11.93"	17.48"	2.25"	1.18"	0.80"	1-1/4"-11.5 NPTF	10 Lbs.	8,780 PSI	

PULL RAMS & ACCESSORIES

ACCESSORIES

Gauges

- B65782 • 4" Wet Gauge 1/4" NPTF
- B65783 • 4" Dry Gauge 1/4" NPTF



B65782



B65783

Fittings

- B65129 • Reducer from 3/8" to 1/4"
- B65131 • 1/4" NPTF Gauge Fitting
- B65132 • Bushing from 1/4" to 3/8"



B65129



B65131



B65132

ACCESSORIES

Hydraulic Coupler Set



Complete Set	Hose Half	Ram Half	Hose/Ram Thread	Coupler Connecting Thread
Porto-Power Coupler	B69478	B69477	1/4" NPT	13/16" - 20 UNEF
B65280	B65281	B65282	1/4" NPT	3/4" - 20 UNEF
B65580	B65581	B65582	3/8" NPT	15/16" - 20 UNEF

Hydraulic Hoses

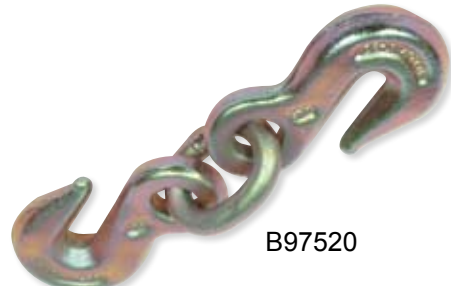
- B65290 • 1/4" ID, 6' Hose, 1/4" NPTF Connection
- B65291 • 1/4" ID, 6' Hose with Male (B69478) Coupler, 1/4" NPTF Connection
- B65590 • 3/8" ID, 10' Hose with Male (B65580) Coupler, 3/8" NPTF Connection
- B65591 • 1/4" ID, 10' Hose with Male (B69478) Half Coupler, 1/4" NPTF Connection
- B65593 • 3/8" ID, 6' Hose with Male (B65580) Half Coupler, 3/8" NPTF Connection
- B65594 • 3/8" ID, 6' Hose, 3/8" NPTF Connection



Model	Hose Size	Length	Hose End Fitting	Coupler
B65290	1/4" ID	6'	1/4" NPTF Connection	-
B65291				Male Half Coupler (B69478)
B65590	3/8" ID	10'	3/8" NPTF Connection	Male Half Coupler (B65581)
B65591	1/4" ID		1/4" NPTF Connection	Male Half Coupler (B69478)
B65593	3/8" ID	6'	3/8" NPTF Connection	Male Half Coupler (B65581)
B65594				-

Chains & Hooks

- B97520 • Double grab hook
- B97651 • 15' Chain with claw hook
- B97661 • 6' Chain with claw hook
- B97662 • 6' Chain with 2 claw hooks
- B97691 • 9' Chain with grab hook
- B97518 • 8' Chain with grab hook
- B97521 • Hook assembly
- B97527 • 6' Chain with grab hook
- B97528 • 6' Chain with 2 grab hooks



ACCESSORIES

WARRANTY



ONE YEAR LIMITED WARRANTY

Warranty Information

For a period of one (1) year from date of purchase, SFA Companies will repair or replace, at its option, without charge, any of its products which fails due to defect in material or workmanship, or which fails to conform to any implied warranty not excluded hereby. Performance of any obligation under this warranty may be obtained by returning the warranted product, freight prepaid, to SFA Companies Warranty Service Department, 10939 N.Pomona Avenue, Kansas City, MO 64153. Except where such limitations and exclusions are specifically prohibited by applicable law.

- (1) THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY SHALL BE THE REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS AS DESCRIBED ABOVE.
- (2) SFA COMPANIES SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGE OR LOSS WHATSOEVER.
- (3) THE DURATION OF ANY AND ALL EXPRESSED AND IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO A PERIOD OF ONE (1) YEAR FROM DATE OF PURCHASE.

- Some states do not allow limitations on how long an implied warranty lasts, so above limitation may not apply to you.
- Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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