

2015-  
2016

# RAILWAY MAINTENANCE OF WAY TOOLS PRODUCT CATALOG



[www.StanleyHydraulics.com](http://www.StanleyHydraulics.com)

# STANLEY®

Infrastructure



## **GREAT BRAND GREAT TOOLS**

Stanley Hydraulic Tools has a proud tradition of being a global leader in the development of a wide range of innovative hydraulic products used in a variety of industries and applications throughout the world. As a proud member of Stanley Black & Decker, a 165 year old company, we are committed to the manufacture and distribution of quality tools for the professional, industrial, and consumer markets. Stanley Hydraulic Tools is dedicated to providing our customers with innovative customer-driven product designs, world class quality, unmatched product support, and superior value.

In 1984, Stanley Black & Decker purchased HED, Inc., the largest U.S. manufacturer of mounted hydraulic breakers and compactors, and integrated HED's product line, design and manufacturing expertise with the Hydraulic Tools Product Group.

Today, Stanley Hydraulic Tools is one of the world's largest hand held hydraulic tool manufacturers and world-wide market leader offering over 150 hand held hydraulic tools and over 30 mounted impact tools.

## **GLOBAL REPRESENTATION**

Stanley Hydraulic Tools produces an extensive line of products for use in construction, demolition, scrap processing, recycling, utilities, municipalities, railroads, industry, landscaping, underwater construction, and specialty trades in two North American manufacturing facilities. Additionally, Stanley Hydraulic Tools has sales offices and distributors throughout North America, Central America, South America, Europe, Asia, Australia, and the Middle East.

## **OUR GOAL**

Stanley Hydraulic Tools is committed to being a "great brand" through continuous innovation, excellence, quality, value and service.

## **CERTIFICATIONS**



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All Stanley tools, accessories, parts and allied equipment are subject to design improvements, specification and price changes at any time without notice and with no obligation to units already sold. Weights, dimensions and operating specifications listed herein are subject to change without notice. Where specifications are critical to your application, please consult the factory.

# POWERFUL TOOLS FOR POWERFUL JOBS



Professionals turn to hydraulic tools when they need to get a job done. Nothing matches the performance of hydraulic tools to grind and cut rail, drive posts or spikes, or pull spikes. Because their energy is derived from compressed oil, hydraulic tools can pack a big punch in a little package. Their inherent efficiency means they're friendlier to the environment than comparable air or gas tools. And because they're self-lubricating, they last several times longer.

Today we offer dozens of tools that can operate dependably off a single power source and professionals around the world are turning to the power of Stanley Hydraulic Tools for their most powerful jobs.



## ADVANTAGES OF HYDRAULIC TOOLS

- **Durability & Maintenance** - Hydraulic tools are designed to last with minimal maintenance requirements. Because internal components are bathed in hydraulic oil, it is not uncommon for them to last 15 years or more.
- **Low Noise** - Hydraulic tools are significantly quieter than comparable gas-powered and pneumatic alternatives.
- **Increased Power & Productivity** - Since compressed oil transfers far more energy than compressed air, nothing packs as much pound-for-pound punch as hydraulic. That allows us to deliver a smaller, lighter tool design that can deliver more power than even the biggest gas or pneumatic alternatives.
- **Cold Conditions** - Hydraulic tools can be operated in sub-zero temperatures without freezing up.
- **Wet Conditions** - Wet weather does not affect hydraulic tools. In fact, many models are available for use underwater.
- **Enclosed Spaces** - Hydraulic tools don't produce exhaust and their power sources can be stationed remotely. Not so with gas-powered tools which often discharge engine exhaust directly onto the operator or with pneumatic tools which can atomize small droplets of lubricating oil into the surrounding atmosphere.
- **Cost-Effective, Environmentally Friendly Operation** - Hydraulic tools are inherently more efficient, meaning they require less energy to perform the same work as alternative tools, saving time and money. Hydraulic tool circuits are designed to keep oil in and contaminants out and our tools can be used with a variety of biodegradable environmentally safe hydraulic oils, so they can be operated with minimal impact to their surrounding environment.

**SPIKE PULLER**

**MODEL SPL31A**

Stanley's SPL31 Spike Driver offers automatic pull cycle (patent pending) to reduce kickback and improve ease of use. Its 34%\*\* weight reduction directly reduces the physical demand / fatigue of the operator. The reduction also gives the operator improved control and ease of use. The SPL31 side carry handle offers portability and ergonomics when carrying the puller 100-200 ft. down the track. The SPL's side placement of the hose whips protects the couplers and whips from possible abuse and damage while still plumbing straight into the tool. 34% weight reduction, increased handle durability, best-in-class ergonomics and overall improved value.

**SPECIFICATIONS**

- Weight:** 31 lbs\* / 14 kg
- Length:** 32.75 in / 83.1 cm
- Handle Width:** 16.25 in / 41.29 cm
- Pulling Force:** 16,647 lbs / 7550 kg
- Flow Rate:** 5 - 10 gpm / 18 - 38 lpm
- Pressure:** 2,000 - 2500 psi / 137 - 172 bar

**FEATURES**

- Automatic cycle.
- Redesigned handle.
- New side carry handle.
- Industry-leading pulling force.
- New Engineered seal design - 60%\*\* increase in life.
- Redesigned lower chute - decreased weight.



**ORDER INFORMATION**

Model	Description	Weight	Included Equipment
SPL31A	Spike Puller, Lightweight, Automatic Cycle	31 lbs*	Hose Whips and Couplers
SPL31A-S	Spike Puller, Lightweight, 2-Stage Cycle, Trigger Lock	31 lbs*	Hose Whips and Couplers

\*Tool weight is wet without whips and couplers.

\*\*Compared to the Stanley SP48

**ACCESSORIES**

Part No.	Description
33256	Grip Jaw (Qty. 2 Required)
34876	"W" Grip jaw Casting (Hair Pin - Qty. 2 Required)



**SPIKE DRIVER**

**MODEL SD67**

Stanley's SD67 Spike Driver provides a strong level of performance for the toughest applications. The anti-vibration handle and the two length options, help reduce operator fatigue.

**SPECIFICATIONS**

- Weight:** 70 lbs / 31.8 kg
- Length:** 28.75 or 32.25 in. / 73 or 82 cm
- Width at Handles:** 18 in. / 45.8 cm
- Hyd. Pressure:** 2000 psi / 140 bar
- Flow Range:** 5-10 gpm / 20-38 lpm
- Max. Back Pressure:** 250 psi / 17 bar
- Cup Width:** 2.9 in. / 7.4 cm

**FEATURES**

- Anti-Vibration Handle isolates the tool's vibration, further reducing operator fatigue.
- Two length options are available which allow operator to stand in a fully-upright position for better comfort.
- 1300 Blow-Per-Minute design makes quick work of any spike being driven-even in the hardest ties.
- Feathering On/Off Valve allows the operator to control the output energy of the tool, providing more control and ease of handling.
- Diaphragm-Type Accumulator design provides for ease of maintenance and extended service life of the tool.



**ORDER INFORMATION**

Model	Description	Included Equipment
SD67101	Anti-Vibration Handle, Short - 28.75 in. / 73 cm	Hose Whips, Flush-Face Couplers
SD67141	Anti-Vibration Handle, Long - 32.25 in. / 82 cm	Hose Whips, Flush-Face Couplers

**ACCESSORIES**

Part No.	Description
31254	Accumulator Charging Kit

**TIE TAMPER**

**MODEL TT46**

The TT46133 Tie Tamper's spring-dampened anti-vibration handle isolates the tool's vibration which reduces operator fatigue and increases productivity.

The feathering On/Off valve allows the operator to control the output energy of the tool, providing more control and ease of handling.

The TT46133 Model has a spring-loaded bit keeper allows the bit to be backed out even when driven deeply into the ballast.

**SPECIFICATIONS**

**Weight:** 54 & 56 lbs / 24 & 25 kg

**Length:** 54 & 56 in. / 98.4 & 100.9 cm

**Width at Handles:** 14 & 17 in. / 35.66 & 44 cm

**Hyd. Pressure:** 2000 psi / 140 bar

**Flow Range:** TT46133 - 4-6 gpm / 15-22 lpm  
TT46233 - 7-9 gpm / 26-34 lpm

**Max. Back Pressure:** 200 psi / 14 bar

**Blows Per Minute:** 1,500

**Standard Shank Size:** 7/8 x 2-9/16 in. / 22.2 x 65 mm

**FEATURES**

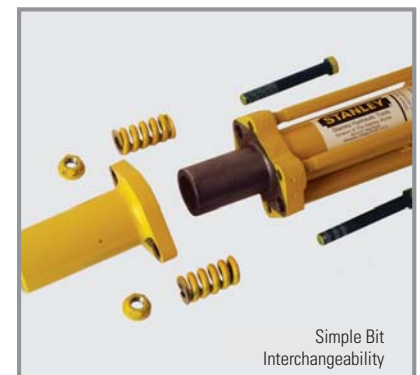
- Spring-dampened anti-vibration handle.
- Feathering On/Off valve.
- Spring-loaded bit keeper.
- 1500 blows per minute.

**ORDER INFORMATION**

Model	Description	Included Equipment
TT46133	Anti Vibration Handle Tie Tamper, Heavy Duty (5 gpm), CE	Couplers, Hose Whips, 21 in. Steel
TT46233	Anti Vibration Handle Tie Tamper, Heavy Duty (10 gpm)	Couplers, Hose Whips, 21 in. Steel

**ACCESSORIES**

Part No.	Description
59033	Tie Tamper Steel - 4" w/"V" Cut 21" OAL - Round - Fits TT46133 and TT46233
59034	Tie Tamper Steel - 4" w/"V" Cut 18" OAL - Round - Fits TT46133 and TT46233
44937	Tie Tamper Steel - 4" w/"V" Cut 21" OAL - Hex - Fits TT46133 and TT46233
44979	Tie Tamper Steel - 4" w/"V" Cut 18" OAL - Hex - Fits TT46133 and TT46233
69397	Frost Chisel - 2" x 24" - Fits TT46133 and TT46233
31254	Accumulator Charging Kit



# MULTI-PURPOSE PERCUSSION TOOL

**LIGHT TO MEDIUM DUTY BREAKER**

**MODEL BR45**



Percussion tool with hose whips, tamping bit and spike driver bit.

**SPECIFICATIONS**

**Application:** Light concrete or asphalt breaking or scoring, small rock breaking, rod driving, tamping.

**Tool Bit Size:** 1" Hex x 4-1/4" Shank

**Weight:** 55 lbs / 25 kg

**Length:** 28 in. / 71 cm Without Bit

**Width at Handles:** 17.5 in. / 44 cm

**Connection:** 3/8 in. flush face quick disconnect couplers

**FEATURES**

- Versatile - lightweight and powerful hand-held tool presents countless MOW solutions.
- Ease of use - maintained with the anti-vibration

handles to absorb the impact energy from the tool during operation.

- Control valve features a feathering on/off for precise control of the output energy.
- Designed for light to medium duty applications.
- Water-resistant provides more flexibility in all weather conditions.
- Bit locking system retains the tool bit from loosening or detaching from the tool during operation.
- Leg guard provides greater control and comfort.
- Cold weather operation, hydraulics will not freeze in cold conditions.
- No exhaust - hydraulic percussion tools are a closed circuit system, improving the work condition and comfort.

Nothing equals the impact force of hydraulic-powered breakers. With the best power-to-weight ratio, higher blow energy, and a lower noise level than pneumatic breakers, our hydraulic percussion tools are simply the best choice. Internal components are continually bathed in hydraulic oil, providing long-lasting performance with minimal maintenance requirements. And because the hydraulic system is totally enclosed, there's no tool exhaust or oil atomization often found with gas-powered or pneumatic alternatives.



**ORDER INFORMATION**

Model	Description	Included Equipment
BR45158	Anti-Vibration Percussion Tool Kit, 28 in. Overall Length Without Bit	Percussion Tool with Hose Whips, Tamping Bit, Spike Driver Bit

**ACCESSORIES**

Part Number	Description
29431	Tamping Bit, 5 in.
38709	Spike Driver Bit
208001	Dead Head Spike Driver, 5 in.
07702	Moil Point
07704	Chisel
58540	Tie Tamper Steel - 21" x 5"
31254	Accumulator Charging Kit



Punch



Drive



Tamp



Tamping Bit



Spike Driver



Dead Head Spike Driver



**IMPACT WRENCH**

**MODEL IW12**



**SPECIFICATIONS**

- Weight:** 18 lbs / 8 kg
- Length:** 9.5 in. / 24 cm
- Width:** 4 in. / 10 cm
- Capacity:** 3/4 in. / 1.9 cm Square Drive
- Flow Range:** 4-12 gpm / 15-45 lpm
- Pressure:** 1000-2000 psi / 70-140 bar
- Torque:** 250-1200 ft lbs / 340-1632 Nm

**FEATURES**

- Adjustable impact intensity.
- Swing-hammer design.
- Larger feathering trigger.
- Standard reversing valve.
- Handle coating transmits less heat.

**ORDER INFORMATION**

Model	Description	Included Equipment
IW12140S	3/4 in. Square Drive	HTMA Flush-Face Couplers, Hose Whips
IW1214001	3/4 in. Square Drive	HTMA Flush-Face Couplers, Hose Whips, CE



Stanley's hydraulic impact wrenches are world renowned for their adjustable impact intensity settings allowing for a wide range of uses. The rugged design incorporates an integral motor and heavy-duty mechanism for the rigors of track maintenance use. The power-to-weight ratio of these products are unmatched by any impact wrench on the market in their class.

**IMPACT WRENCH**

**MODEL IW16**



**SPECIFICATIONS**

- Weight:** 26 lbs / 11.8 kg
- Length:** 14.5 in. / 36.8 cm
- Width:** 4.5 in. / 11.4 cm
- Capacity:** 7/16 in. or 1/2 in.
- Flow Range:** 12 gpm / 45 lpm
- Pressure:** 1000-2000 psi / 70-140 bar
- Torque:** 500-2500 ft lbs / 680-3400 Nm

**FEATURES**

- Adjustable impact intensity.
- Swing-hammer mechanism.
- Large "D" handle and feathering On/Off valve.
- Standard reversing valve.
- Available Extended Handle Mechanism.

**ORDER INFORMATION**

Model	Description	Included Equipment
IW16150S	1 in. Square Drive	HTMA Couplers and Hose Whips

**ACCESSORIES**

Part No.	Included Equipment
33276	Socket Retainer Pin
33277	Socket Retainer Ring
31201	Adapter - 1 in. to 3/4 in. Drive
31203	10 in. Extension - 1 in. Drive
72768	Upright Handle Assy. Kit
33230	Socket Set Includes 6 Sockets: P/N 25211 - 1 in. Square Drive 8-Point Deep x 2-3/16 in. P/N 25216 - 1 in. Square Drive 8-Point Deep x 1-5/8 in. P/N 25217 - 1 in. Square Drive 8-Point Deep x 1-13/16 in. P/N 25218 - 1 in. Square Drive 8-Point Deep x 1-11/16 in. P/N 26456 - 1 in. Square Drive # 70 Torx P/N 27710 - 1 in. Square Drive 4-Point x 1 in.



IW16 with Stand-Up Handle

#### DRILL

#### MODEL DL07



The DL07 Drill is ideal for drilling holes in wood, metal and masonry. It features instant reverse for high reliability and efficiency in all types of drilling applications.

#### SPECIFICATIONS

**Weight:** 6 lbs / 2.7 kg  
**Length:** 9 in. / 23 cm  
**Capacity:** 1/2 in. Chuck / 12 mm Chuck  
**Max. Flow:** 12 gpm / 45 lpm  
**Max. Pressure:** 2000 psi / 140 bar

#### FEATURES

- Hyvrevz™ gear-type motor.
- Oversized feathering trigger.
- Increased operator comfort.
- Dual position Assist Handle.
- Built-in reverse flow check valve.
- Handle coating transmits less heat.

#### SPEED/HYD. FLOW

350 rpm @ 3 gpm / 11.3 lpm  
 475 rpm @ 4 gpm / 15 lpm  
 750 rpm @ 6 gpm / 23 lpm  
 1000 rpm @ 8 gpm / 30 lpm  
 1250 rpm @ 10 gpm / 38 lpm

#### ORDER INFORMATION

Model	Description	Included Equipment
DL07552S	OC/CC Dual Spool, 1/2 in. Chuck	Trigger Guard, Assist Handle, Couplers, Hose Whips
DL07572S	Dual Spool, 5/8 in. Chuck	Trigger Guard, Assist Handle, Couplers, Hose Whips

#### ACCESSORIES

Part N.o.	Description
Augers with 7/16 in. Shank	
27850	9/16 in. Dia., 8 in. Twist, 12 in. OAL
27851	11/16 in. Dia., 8 in. Twist, 12 in. OAL
27852	13/16 in. Dia., 8 in. Twist, 12 in. OAL
27855	9/16 in. Dia., 12 in. Twist, 16 in. OAL
27856	11/16 in. Dia., 12 in. Twist, 16 in. OAL
27857	13/16 in. Dia., 12 in. Twist, 16 in. OAL
27858	15/16 in. Dia., 12 in. Twist, 16 in. OAL
27859	1-1/16 in. Dia., 12 in. Twist, 22 in. OAL

Part No.	Description
Augers with 7/16 in. Shank	
27860	9/16 in. Dia., 18 in. Twist, 22 in. OAL
27861	11/16 in. Dia., 18 in. Twist, 22 in. OAL
27862	13/16 in. Dia., 18 in. Twist, 22 in. OAL
27863	15/16 in. Dia., 18 in. Twist, 22 in. OAL
27864	1-1/16 in. Dia., 18 in. Twist, 22 in. OAL
27865	11/16 in. Dia., 32 in. Twist, 22 in. OAL
27869	13/16 in. Dia., 36 in. Twist, 22 in. OAL
32400	13/16 in. Dia., 15 in. Twist, 22 in. OAL

The ID07 Impact Drill/Wrench delivers impact torque of up to 500 ft lbs (675 Nm). It is capable of breaking loose some of the toughest bolts and nuts. The ID07 can drive wood augers into the hardest salt-cured or creosote-treated ties without reaction torque to the operator.

#### SPECIFICATIONS

**Weight:** 7 lbs / 3.3 kg  
**Length:** 8.5 in. / 21.6 cm  
**Capacity:** 7/16 in. or 1/2 in.  
**Max. Flow:** 12 gpm / 45 lpm  
**Max. Pressure:** 2000 psi / 140 bar

#### FEATURES

- Hyvrevz™ gear-type motor.
- Swing-hammer mechanism.
- 7/16 in. hex quick-change chuck or 1/2 in. square drive.
- Built-in reverse flow check valve.
- Handle coating transmits less heat.

#### ORDER INFORMATION

Model	Description	Included Equipment
ID07810S	7/16 in. Quick Change Chuck	Couplers, Hose Whips

#### ACCESSORIES

Part No.	Description
05117	Adapter, 7/16 in. Male Hex x 1/2 in. Male Square
07192	Adapter, 1/2 in. Female Square x 5/8 in. Hex QC
33155	Lineman's Socket, 13/16 in. and 15/16 in.
33156	Lineman's Socket, 1 in. and 1-1/8 in.
73636	Assist Handle

#### IMPACT DRILL

#### MODEL ID07



**RAIL DRILL**

**MODEL RD12**

The power of the RD12 when used in conjunction with our exclusive indexable carbide tipped bits easily drills both hardened and standard rail with the same tool, providing a low cost per hole.

**SPECIFICATIONS**

**Weight:** 58.5 lbs / 26.5 kg

**Length:** 28 in. / 71.1 cm

**Width:** 8 in. / 20.3 cm

**Water Capacity:** 2 gallons / 7.6 liters

**Flow Range:** 8-10 gpm / 30-38 lpm

**Pressure:** 2000 psi / 140 bar

**Feed Rate per Revolution:** .013 in. / .03 mm

**FEATURES**

- Lightweight aluminum construction.
- Preset integrated water flow control.
- Over-center clamp design.
- Tool rack for extra bits.
- Automatic water/coolant control valve.



Note: Rail Drills do not operate without bits.

**ORDER INFORMATION**

Model	Description	Included Equipment
RD12101	Rail Drill with Water Tank, CE	Couplers and Torx Driver - Does not include bits, indexable carbide tips, water tank, templates - please order those separately.
RD12101K	Rail Drill with Water Tank, CE - Kit	Couplers and Torx Driver - 22625 Guide Assembly 115-140 lb. 3-1/2 in. x 6 in. x 6 in., 29469 Drill Bit 1-1/8 in., 29468 Drill Bit 1-3/16 in., 29467 Drill Bit 1-1/4 in., 29461 Drill Bit 1-5/16 in., 32510 Drill Bit 1-1/2 in. Trepanning, 31969 Ten Piece Carbide Insert Kit, 31984 Single Sided Rail Template Set - 90 RA, 31985 Single Sided Rail Template Set - 115/119 RE, 31986 Single Sided Rail Template Set 131/132/136 RE, 31987 Single Sided Rail Template Set 133 RE

**ACCESSORIES**

Part No.	Description
29471	Drill Bit 1 in.
29470	Drill Bit 1-1/16 in.
29469	Drill Bit 1-1/8 in.
29468	Drill Bit 1-3/16 in.
29467	Drill Bit 1-1/4 in.
29461	Drill Bit 1-5/16 in.
29465	Drill Bit 1-3/8 in.
32511	Drill Bit 1-7/16 in. Trepanning
32510	Drill Bit 1-1/2 in. Trepanning
33331	Drill Bit 1-9/16 in. Trepanning
67267	Drill Bit 1-5/8 in.

Part No.	Description
31624	Drill Bit 32 mm
29472	Drill Bit 33 mm
31647	Drill Bit 36 mm
31969	Ten Piece Carbide Insert Kit
Templates	Contact Your Local Rep.



### DIGGER

### MODEL DR19



#### SPECIFICATIONS

**Application:** Digging and rod driving in heavy clay, light shale, hardpan, frozen ground or dry hard dirt.

**Tool Bit Size:** 7/8-in. Hex x 3-1/4 in. Shank Steel Bits

**Hyd. Flow:** 7-9 gpm / 26-34 lpm

**Weight:** 24 lbs / 10.9 kg

**Length:** 20 in. / 50.8 cm

**Width:** 3 in. / 8 cm

**Connection:** 3/8 in. flush-face quick disconnect couplers

The DR19 is a compact digging spade for digging in materials such as heavy clay or light shale. The tool's "D" handle and tool bit holder are shock and heat insulated for operator comfort. Tool steels are held in place by a slide that is ball-and-spring detented. The DR19 uses standard 7/8-inch hex, round collar, steel tool bits and comes with hose whips and flush-face quick disconnect couplers.

#### DIGGERS

Model	Weight	Length	Width	Flow Range	Working Pressure	Full Relief Setting	Blows/Minute	Capacity
DR19111	24 lbs / 10.9 kg	20 in. / 50 cm	3 in. / 7.6 cm	7-9 gpm / 26-34 lpm	1500-2000 psi / 105-140 bar	2250 psi / 155 bar	1800 bpm	7/8-in. x 3-1/4 in. Shank

#### DIGGER ACCESSORIES

Part No.	Description
02328	Clay Spade, 16 in. U/C
02330	3 in. Chisel, 14 in. U/C
02339	1 in. Chisel, 14 in. U/C

Part No.	Description
02341	Asphalt Cutter, 5 in. blade x 11 in. U/C
04401	Moil Point, 18 in. U/C
05255	Rod Driver, 3/4 in.



**CHAIN SAW**

**MODEL CS06**

The CS06 Chain Saw offers the highest power-to-weight ratio of any chain saw on the market today. All models feature interlocking triggers, hand guards, low kick-back bars and chains.

Because hydraulic power doesn't require a flywheel to smooth power pulses, there is no chain coasting when the trigger is released.

The CS06 pistol-grip chain saw is ideal for timber tie/sleepers.

**SPECIFICATIONS**

**Weight:** 6.25 lbs / 2.8 kg (w/o bar)  
**Length (Less Bar):** 14 in. / 36 cm

**Width:** 9 in. / 23 cm  
**Capacity:** 12, 15, 20 in. / 30, 38, 51 cm  
**Pressure:** 1000-2000 psi / 70-140 bar  
**Flow Range:** 7-9 gpm / 26-34 lpm  
**Optimum Flow:** 8 gpm / 30 lpm

**FEATURES**

- Low kick-back.
- Wide variety of bar lengths.
- Operate from open or closed-center circuits.
- Highest power-to-weight ratio.
- Operates on both Type I and II hydraulic circuits.
- Underwater models available.
- No chain coasting.



**ORDER INFORMATION**

Model	Description	Included Equipment
CS06610	OC/CC, 12 in. cut	Bar and Chain
CS06620	OC/CC, 15 in. cut	Bar and Chain
CS06630S	OC/CC, 20 in./51 cm	Couplers, Bar and Chain

**ACCESSORIES**

Part No.	Description
07642	Saw Chain, 20 in. / 51 cm Bar (325 in. Pitch)
07935	File Guide with File
07639	Saw Bar 20 in.
07629	Rim Sprocket, 7-Tooth



**CHAIN SAW**

**MODEL CS28**

**SPECIFICATIONS**

**Application:** Tree Trimming  
**Cut Capacity:** 12 in. / 30 cm  
**Hyd. Flow:** 7-9 gpm / 26-34 lpm  
**Weight:** 8.4 lbs / 3.8 kg  
**Overall Length:** 75 in. / 191 cm  
**Width:** 4.375 in. / 11 cm  
**Connection:** 3/8 in. NPT Male Adapter (couplers sold separately)

**FEATURES**

- Used for trimming and pruning large tree branches.
- Ideal for use by right-of-way crews, arborists, utilities, parks departments, grounds keepers, and forest trail maintenance crews.
- Fiberglass pole handle.
- Hyrevz™ motor.

- Dual spool for operation on open center or closed center systems.
- Automatic chain oiling.

**ORDER INFORMATION**

Model	Description	Included Equipment
CS28812	Pole Chain Saw, OC/CC	12 in. Saw Bar, Saw Chain, Chain Guard

**ACCESSORIES**

Part No.	Description
05144	Chain/Bar Guard
07616	Sprocket Spline Adapter
07629	Rim Sprocket, .325P x 7 tooth
12363	File Guide
08347	13 in. Saw Bar

Part No.	Description
08348	Saw Chain for 13 in. bar
11464	Scrench
33289	Chain Saw File
11294	Flat File

### EARTH AUGER

### MODEL EA08



The EA08 features an output torque of 250 ft lb / 339 Nm to handle a wide variety of earth boring applications up to 18 inches / 46 cm in diameter and 42 inches / 107 cm deep. It is configured with 4 handles for two-man operation but can be used by one-man by connecting the torque tube to a power unit or other solid object. An ergonomically designed forward and reverse control valve lever is integrated into the handle. The EA08 accepts 1-3/8 in. hex female augers. The EA08 is furnished with flush face quick disconnect couplers. Augers are sold separately.

#### SPECIFICATIONS

**Application:** Earth boring for posts and poles.  
**Capacity:** Up to 18 in. / 46 cm Diameter x 42 in. / 107 cm Long Auger  
**Hyd. Flow:** 7-9 gpm / 26-34 lpm  
**Weight:** 47 lbs / 21 kg  
**Length:** 11 in. / 30 cm  
**Width:** 46 in. / 117 cm  
**Connection:** 3/8 in. flush face quick disconnect couplers

#### EARTH AUGER

Part No.	Weight	Length	Width	Flow Range	Working Pressure	Full Relief Setting	Capacity	Misc.
EA08102A	47 lbs / 21 kg	11 in. / 30 cm	46 in. / 117 cm	7-9 gpm / 26-34 lpm	1000-2000 psi / 70-140 bar	2250 psi / 155 bar	18 in. / 46 cm Dia. Auger	1-3/8 in. Hex Male

#### ACCESSORIES

Part No.	Description
47406	Auger, 2 in. dia x 42 in. OAL (requires 58585)
47407	Auger, 3 in. dia x 42 in. OAL (requires 58586)
47408	Auger, 4 in. dia x 42 in. OAL
47409	Auger, 6 in. dia x 42 in. OAL
47410	Auger, 8 in. dia x 42 in. OAL
47411	Auger, 10 in. dia x 42 in. OAL
47412	Auger, 12 in. dia x 42 in. OAL
47413	Auger, 16 in. dia x 42 in. OAL
47414	Auger, 18 in. dia Nursery
47415	Extension Tube, 15 in. OAL
47429	Digging Tooth w/Hardface
47430	2 in. Center Screw Bit for 6-12 in.
47431	Center Screw Bit for 3 in.
47432	Center Screw Bit for 4 in.
39408	Coupler, 1-1/4 in. Square Female
58585	Drive Coupler, 13/16 x 1-3/8 in. for 47406 Auger
58586	Drive Coupler, 1-1/8 x 1-1/8 in. for 47407 Auger
39410	Auger Extension, 8 in. dia. x 36 in. OAL
65477	Drive Hub, Stanley 1-1/4 in. Hex



# POST PULLER & DRIVER

**POST PULLER**

**MODEL PP10**



The PP10 is designed to remove flanged type sign posts and irregularly shaped posts up to 8 in. / 20 cm wide. It features an 8 inch / 203 cm stroke and pulling force of 9800 lbs / 4450 kg. The PP10 uses two methods to solve post pulling problems. For flanged posts, the PP10 uses gripper jaws to grasp the flange. For many other posts, a chain is used. Pins on the end of the chain may be inserted into holes in perforated posts to keep the chain from sliding. A control valve is located on the tool. The PP10 is furnished with gripper jaws, chain with pins, and flush face quick disconnect couplers.

**SPECIFICATIONS**

**Application:** Pulls a variety of sign and fence posts  
**Capacity:** Sign posts up to 8 in. / 20 cm Wide  
**Hyd. Flow:** 3-9 gpm / 11-34 lpm  
**Weight:** 70 lbs / 32 kg  
**Length:** 13 in. / 32 cm  
**Width:** 14 in. / 35 cm  
**Connection:** 3/8 in. flush face quick disconnect couplers

**POST PULLER**

Model.	Weight	Length	Width	Flow Range	Working Pressure	Full Relief Setting	Capacity	Misc.
PP10100	70 lbs / 32 kg	13 in. / 32 cm	14 in. / 35 cm	3-9 gpm / 11-34 lpm	1000-2000 psi / 70-140 bar	2250 psi / 155 bar	8 in. / 20 cm Post	-

**SPECIFICATIONS**

**Application:** Drives a variety of shapes and sizes of sign posts  
**Capacity:** U-Channel Posts, Square Posts, Round Post, Delineators  
**Hyd. Flow:** 7-9 gpm / 26-34 lpm  
**Weight:** 65 lbs / 29 kg  
**Length:** 30 in. / 76 cm  
**Width:** 10 in. / 25 cm  
**Connection:** 3/8 in. flush face quick disconnect couplers

The PD45 features dual guiding handles, a lifting eye and remote or integral On/Off Valve. Models with integral triggers run the full length of the handles and are spring loaded to the OFF position. A model is available to drive DOT required breakaway posts to within 4 inches / 100 mm above ground level. All PD45 models are furnished with flush faced quick disconnect couplers.

**POST DRIVER**

**MODEL PD45**



**POST DRIVER**

Model	Weight	Length	Width	Flow Range	Working Pressure	Full Relief Setting	Capacity	Misc.
PD45131	65 lbs / 29 kg	30 in. / 76 cm	10 in. / 25 cm	7-9 gpm / 26-34 lpm	1000-2000 psi / 70-140 bar	2250 psi / 155 bar	U-Channel, Delineator, Square & Round Post	In-Line Valve
PD45132	67 lbs / 30 kg	30 in. / 76 cm	10 in. / 25 cm	7-9 gpm / 26-34 lpm	1000-2000 psi / 70-140 bar	2250 psi / 155 bar	U-Channel, Delineator, Square & Round Post	Valve In Handle
PD45132G	67 lbs / 30 kg	30 in. / 76 cm	10 in. / 25 cm	7-9 gpm / 26-34 lpm	1000-2000 psi / 70-140 bar	2250 psi / 155 bar	U-Channel, Delineator, Square & Round Post	Valve In Handle Extended Anvil
PD45151	65 lbs / 29 kg	30 in. / 76 cm	10 in. / 25 cm	7-9 gpm / 26-34 lpm	1000-2000 psi / 70-140 bar	2250 psi / 155 bar	U-Channel, Delineator, Square & Round Post	No Valve, Hoses, or Couplers

**ACCESSORIES**

Part No.	Description
15184	Adapter - 1-3/4 in. square post
15185	Adapter - 2 in. round post
15186	Adapter - 2-1/4 in. sq. post

Part No.	Description
15187	Adapter - 2 in. sq. post
67784	Adapter - 1-3/4 in. round post



### TRASH PUMP

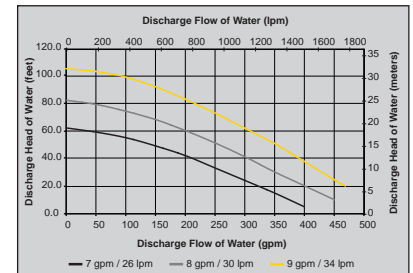
#### MODEL TP03



#### SPECIFICATIONS

**Application:** Pumping Liquids with Solids up to 3 in.  
**Capacity:** 450 gpm / 1688 lpm, 3 in. NPTF Discharge  
**Hyd. Flow:** 7-9 gpm / 26-34 lpm  
**Weight:** 32 lbs / 14.52 kg  
**Length:** 14 in. / 35.5 cm  
**Width:** 12 in. / 30.4 cm  
**Connection:** 3/8 in. flush face quick disconnect couplers

The TP03 is a submersible trash pump and will pump liquids with concentrations of solids up to 25% by volume. It features a tough urethane bowl and impeller, lifting eye, removable top plate, 3 inch NPTF discharge, and flush face quick disconnect couplers.



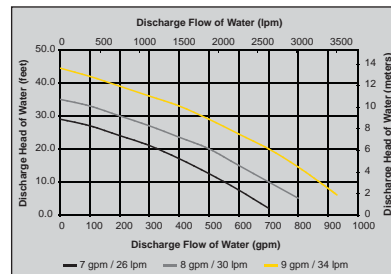
### TRASH PUMP

#### MODEL TP08

#### SPECIFICATIONS

**Application:** Pumping liquids with Solids up to 4 in.  
**Capacity:** 800 gpm / 3028 lpm, 4 in. Male Camlock Discharge  
**Hyd. Flow:** 7-9 gpm / 26-34 lpm  
**Weight:** 59 lbs / 26.7 kg  
**Length:** 19 in. / 48.3 cm  
**Width:** 15 in. / 38 cm  
**Connection:** 3/8 in. flush face quick disconnect couplers

The TP08 is a heavy duty submersible trash pump capable of pumping high volumes of water, sand slurries, gravel, sludge and solids up to 4 inches in diameter. It features a steel bowl, cast iron impeller, polyethylene wear plates, carrying handle, removable top plate, 4 inch male Camlock discharge, and flush face quick disconnect couplers.

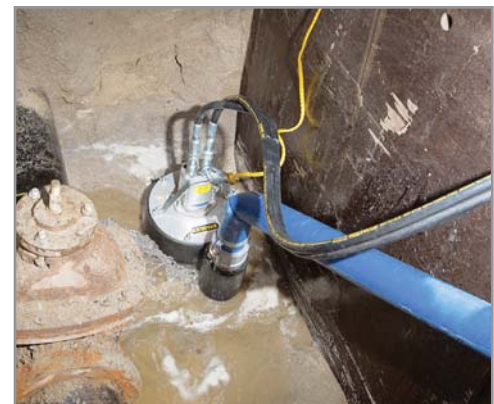


#### ORDER INFORMATION

Model	Part No.	Description
TP03	TP0300301	Trash Pump, CE
TP08	TP08013	Trash Pump, 800 gpm, 4 in., CE

#### ACCESSORIES

Model	Part No.	Description
TP03	52720	Adapter, 3 in. male NPT x 3 in. male Camlock
	56761	Lay-Flat Discharge Hose, 3 in. x 25 ft with Camlock fittings
TP08	65624	Lay-Flat Discharge Hose, 4 in. x 25 ft with Camlock Fittings



**RAIL SAW**

**MODEL RS25**

Stanley's RS25 Rail Saw with its bell-crank style clamp design provides positive, rigid locking to all types of rail for quick and accurate set-up.

The ergonomical long saw arm is standard with the RS25 and allows the operator full use of the tool in a standing position. The indexable swivel on the clamp arm and saw, allows cutting on both sides of the rail, eliminating the need to disconnect from and re-connect to the saw clamp.

**SPECIFICATIONS**

**Saw & Clamp Weight:** 56 lbs / 25 kg

**Saw Weight:** 33 lbs / 15 kg

**Length w/o Wheel:** 36 in. / 92 cm

**Width:** 11 in. / 28 cm

**Depth:** 18 in. / 46 cm

**Flow Range:** 8-10 gpm / 30-38 lpm

**Pressure:** 2000 psi / 140 bar

**Spindle Speed:** 4000 RPM w/ 16 in. Wheel  
4500 RPM w/ 14 in. Wheel

**FEATURES**

- Bell-crank style clamp design.
- Ergonomically designed long saw arm.
- Lockable lower arm significantly reduces operator effort.
- Indexable swivel on the clamp arm.
- Tamper-proof speed control.
- Sealed bearings in arm and pivot joints.
- Available in 14 and 16 inch models.
- Cast aluminum construction.
- Integrated retractable blade position guide.

**ORDER INFORMATION**

Model	Description	Included Equipment
RS25103	16 in.	Clamp, Couplers and Hose Whips
RS25113	14 in.	Clamp, Couplers and Hose Whips

**ACCESSORIES**

Part Number	Description
73647	Rail Saw Blade - 14 in. Stanley Abrasive Cut-Off Saw Blade
73648	Rail Saw Blade - 16 in. Stanley Abrasive Cut-Off Saw Blade
34367	Universal Bell Crank Kit



Model RS25103 Shown



**TRACK JACK**

**MODEL TJ10**



**SPECIFICATIONS**

**Weight:** 43.5 lbs / 19.7 kg  
**Base Length:** 11 in. / 27.9 cm  
**Height (Collapsed):** 14.5 in. / 36.8 cm  
**Stroke (Total Lift):** 8.9 in. / 22.6 cm  
**Lifting Capacity:** 10 Tons / 9,072 kg  
**Amount of Travel per Pump Stroke:** .15 in. / 3.8 mm

**FEATURES**

- Narrow bridge model available.
- One piece forged base.
- Low pump handle effort.

**ORDER INFORMATION**

Model	Description
TJ10111M	Integral Pump, Hydraulic Jack w/ Pump Handle
TJ10112M	Integral Pump, Narrow Base Bridge Jack

Stanley's track jacks are the best jacks available with untouchable power-to-weight ratios and impressive lifting capacity.



# LIGHTER THAN AIR

Powering hydraulic tools doesn't require a large pull-behind power source like an air compressor. The fact is, a power supply about the size of a wheelbarrow, such as our GTR20 and HP28 Power Units, is more than sufficient to operate any tool shown in this catalog from our biggest breakers to our smallest drills.

Our hydraulic power units use the latest in commercial engine technology from manufacturers such as Briggs & Stratton and Honda. These engines are air cooled, fuel efficient, light weight, rugged, and pack plenty of power to operate our most demanding tools without over-taxing the engine.

- Versatile - dozens of tools can be operated from these power units.
- Air cooled - no winter freezing considerations.
- Fuel efficient - 1.3 gallons per hour / 4 liters per hour estimated fuel consumption.
- Quiet Operation.
- Small size - can fit into small truck or van.
- Portable - can be wheeled around job site like a wheelbarrow.
- Serviceability - can be serviced by small engine dealers.

**POWER UNITS**

**MODEL GTR20**

The Hydraulic power to operate Stanley's line of hydraulic railroad tools compact design is ideal for all your on-site hydraulic power needs. The ultra efficient hydraulic tool circuit cooling provides comfortable tool operation even in the most demanding environments.

**SPECIFICATIONS**

- Weight:** 330 lbs / 150 kg
- Length:** 35 in. / 90 cm
- Width:** 23 in. / 59 cm
- Height:** 29 in. / 74 mm
- Pressure:** 2000 psi / 140 bar
- Fuel Capacity:** 5.5 gal. / 24 liter

**FEATURES**

- Compact and lightweight.
- Computerized electronic throttle control.
- In-tank hydraulic filtration.
- Pressurized engine oil lubrication.
- Locking handle.
- Electric Start.

**ORDER INFORMATION**

Model	Description	Included Equipment
GTR20B02	(1), 10 gpm / 38 lpm or (2), 5 gpm / 20 lpm 18 hp Briggs & Stratton (Gas Powered)	Auto Throttle, Wheels and Handles
GTR20B06	Skid Mount, (1), 10 gpm / 38 lpm or (2), 5 gpm / 20 lpm 18 hp Briggs & Stratton (Gas Powered)	Auto Throttle

**ACCESSORIES**

Part No.	Description
31848	50 ft. Hose Assembly
31972	25 ft. Hose Assembly
04182	Flow and Pressure Tester



GTR20

### POWER UNITS

#### MODEL HP28

The HP28 (TWIN8) twin circuit hydraulic power unit offers a revolutionary design capable of operating two tools at 8 gpm simultaneously. For the first time running two hydraulic tools at full 8 gpm capacity is a reality, increasing productivity and versatility like never before. Experience how the HP28 will change the way hydraulic tools are used and JOIN THE REVOLUTION!

Each of the two circuits is optimized to deliver ideal flows and pressures to both Type 1 and Type 2 hydraulic tools.

#### SPECIFICATIONS

**Applications:** Heavy-duty continuous use hydraulic power supply for up to 2 tools both Type 1 and Type 2

**Capacity:** 2 each 5 or 8 gpm / 2 each 20 or 30 lpm

**Pressure:** 2000 psi / 140 bar

**Weight:** 360 lb / 163 kg

**Length:** 37.5 in. / 95.3 cm

**Width:** 25.75 in. / 65.4 cm

**Height:** 30 in. / 76.2 cm

**Engine:** Briggs & Stratton 27 hp

**Connection:** 3/8 in. flush face quick disconnect couplers

**Heat Rejection:** Up to 9 hp use of two with both 1 & 2 Type tools

#### FEATURES

- **ATM Technology**

Active Thermal Management (ATM) optimizes performance in extreme weather conditions. By managing oil temperatures, preheat time is decreased and tool runtime increases.

- **Side Handles**

New side handles improve ease of lifting the unit while adding side impact protection and with no moving parts to wear or corrode.

- **Solid Tires**

Eliminates the need to refill flat tires and decreases pull force needed for maneuvering.

- **Recessed Control Panel**

Protects dashboard and couplers.

- **Tough Grip Multi Position Handle**

Special *Tough Grip* handle surface improves comfort and control with increased durability.

- **Lifting Hook**

Flush face design protects the lifting hook from accidental job abuse.

- **Auto Choke**

Allows for quick and easy starting of the power unit.



#### ORDER INFORMATION

Model	Description	Included Equipment
HP28B02	5 or 8 gpm Briggs & Stratton 27 hp	Throttle, Wheels and Handles

#### ACCESSORIES

Part No.	Description
31848	50 ft. Hose Assembly
31972	25 ft. Hose Assembly
04182	Flow and Pressure Tester

**TRACHORSE**

**MODEL MHP3**

The TracHorse is an all-terrain, self-propelled mobile hydraulic tool and equipment carrier that allows transportation of tools and equipment in most job site environments. Simple operating controls allow for maneuvering in a wide range of applications. The auxiliary hydraulic tool circuit is designed for continuous-duty applications and features the standard high-efficiency cooling found on all Stanley hydraulic power units.



**SPECIFICATIONS**

- Load Capacity:** 1000 lbs / 454 kg
- Travel Speed:** Low Speed - 1.55 mph / 2.5 km/h  
High Speed - 2.8 mph / 4.5 km/h
- Weight:** 1125 lbs / 510 kg
- Length:** 78 inches / 198 cm
- Width:** 36 inches / 92 cm
- Height:** 43 inches / 109 cm
- Pressure:** 2000 psi / 38 bar
- Flow Range:** Twin Circuit - 2 @ 5 gpm / 20 lpm  
or 1 @ 10 gpm / 38 lpm
- Connect Size & Type:** Flush-Face Couplers
- Fuel Capacity:** 5.5 gallons / 21 liters
- Hydraulic Capacity:** 3 gallons / 11 liters
- Engines:** Honda 20 hp OHV

**FEATURES**

- Self-Propelled - Mobile hydraulic tool and equipment carrier that transports tools and equipment in most job-site environments.
- Simple Operating Controls - Allows for a wide range of applications.
- Two Speed Track Drive.
- Work Lights.
- Opening Tailgate.
- Auxiliary Hydraulic Tool Circuit - Is designed for continuous-duty applications and features the standard high-efficiency cooling found on all Stanley hydraulic power units.
- Climbs 60% grade.
- Carries 1,000 lbs / 454 kg.

**ORDER INFORMATION**

Model	Description
MHP32242100	Twin Circuit, Honda Engine

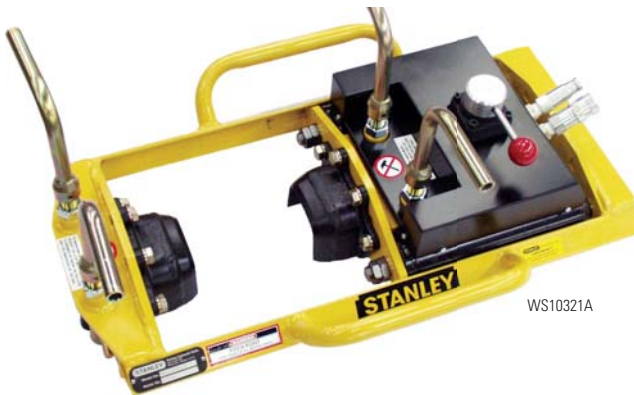
**ACCESSORIES**

Part No.	Description
68358	Lifting Sling
71044	Lifting Sling Box



### WELD SHEAR

### MODEL WS10



WS10321A

Stanley's powerful yet light-weight Weld Shear is the ideal tool for shearing thermite welds with a shearing force of over 20,000 lbs (89,000 Nm).

The WS10's efficient design allows welds to be sheared prior to dismantling the weld mold, decreasing the time to set up and increasing productivity.

The in-line pump handle eliminates rocking of the shear on the rail during shearing operation.

#### FEATURES

- 10 Ton / 9 Metric Tons shearing force.
- Efficient hand pump.
- In-line handle.
- Controls placed away from shear for operator safety.
- 4 self-locking hold downs.
- Replaceable rollers.

#### SPECIFICATIONS

**Weight:** 90 lbs / 41 kg

**Length:** 29 & 32.5 in. / 73.7 & 82.5 cm for WS10301 and WS10200, 28 in / 71 cm for WS1032101A

**Width:** 19.5 in. / 49.5 cm

**Hyd. Pressure:** 2000 psi / 140 bar

**Flow Range:** 3-10 gpm / 12-38 lpm

**Shear Force:** 20,000 lbs / 89,000 Nm

#### ORDER INFORMATION

Model	Description	Included Equipment
WS10321A	Lightweight Weld Shear	Blade Set "A" (132 lb Rail - 27948)
WS10321AB	Lightweight Weld Shear	Aero Quip Couplers, Blade Set "A" (132 lb Rail - 27948)
WS1032101A	Weld Shear (CE Power Unit)	
WS102200A	Weld Shear Hand Pump, Light Weight	Blade Set "A" (132 lb Rail - 27948)

#### ACCESSORIES

Item No.	Description
27948	Blade Set A (105 - 155 lb / yd [47 70 kg / M] Rail*)
27989	Blade Set B (60 - 130 lb / yd [41 - 60 kg / M] Rail*)
35742	Blade Set C (60 - 90 lb / yd [36 - 60 kg / M] Rail*)
73394	Weld Shear Hold Down

**FROG GRINDER**

**MODEL FG10**



**SPECIFICATIONS**

**Wheel Capacity:** 6 in. / 15 cm  
**Arbor Size:** 5/8 in. - 11  
**Optimum Flow:** 10 gpm / 38 lpm  
**Hyd. Pressure:** 2000 psi / 140 bar  
**Spindle Speed:** 4000 RPM  
**Length:** 44 in. / 112 cm  
**Width:** 10.5 in. / 27 cm  
**Weight:** 85 lbs / 41 kg

**FEATURES**

- Upright handle for ergonomic operation.
- 3-position pivot at both ends allows for 3 separate grinding operations.
- Interlocking, full length, bail type safety trigger.
- Sealed height adjustment mechanism for infinite angle adjustment.
- Removable wheel guard for easy access to the grinding wheel.
- Built-in speed control.
- Extension for Grinding Frog Points.
- Spark Guard.

**ORDER INFORMATION**

Model	Description	Included Equipment
FG10110	Frog Grinder	Couplers, Extension Arm, Spark Guard

**ACCESSORIES**

Part No.	Description
28597	6" Cup Grinding Stone
69772	Spark Guard

**SPECIFICATIONS**

**Wheel Capacity:** 6 in. / 15 cm  
**Arbor Size:** 5/8 in. - 11  
**Optimum Flow:** 10 gpm / 38 lpm  
**Hyd. Pressure:** 2000 psi / 140 bar  
**Spindle Speed:** 4000 RPM  
**Length:** 44 in. / 112 cm  
**Width:** 20 in. / 51 cm  
**Weight:** 118 lbs / 53.5 kg

**FEATURES**

- Upright handle for ergonomic operation.
- Adjustable flange wheels ensure grinding accuracy.
- Interlocking, full length, bail type safety trigger.
- Removable wheel guard for easy access to the grinding wheel.
- Built-in speed control.

**PROFILE GRINDER**

**MODEL PG10**



**ORDER INFORMATION**

Model	Description	Included Equipment
PG05110	Profile Grinder - Lightweight OC 6"	Couplers, Shaft Wrench
PG10110	Profile Grinder	Couplers, Shaft Wrench

**ACCESSORIES**

Part No.	Description
28597	6" Cup Grinding Stone
25060	Spark Guard

The FG10 Frog Grinder is ideal for grinding frogs, rail ends or mismatched rail. While the PG05 and PG10 Profile Grinders are designed to grind a wide range of rail from 90 to 141 pound.





### GRINDERS

#### MODELS HGL61, HGL80, HGL81



#### SPECIFICATIONS

**Models:** HGL80, HGL81 and HGL61  
**RPM:** 5500  
**Pressure Range:** 2000 - 2500 PSI  
**Flow Range:** 7 - 10 GPM

**HGL80** - Long Handle  
 Length: 23.35 Inches  
**HGL81** - Short Handle  
 Length 19 Inches  
**HGL61** - Short Handle  
 Length: 19 Inches

#### FEATURES: HGL80, HGL81 and HGL61

- 12% weight reduction over the HG80 providing the industry's lightest hydraulic hand held grinders.
- High performance hydraulic motors providing industry leading grinding speed and power.
- Redesigned handle eliminates the hydraulic oil from the handle, improves tool balance and user comfort.
- New long and short rear handle options improve user ergonomics.
- New adjustable front handle for improved control and ergonomics.
- New trigger interlock improves tool durability and ease of use.
- Durable grip coating on front and rear handles provides a solid grip in the toughest conditions.
- New oversized shaft interlock for ease of use during wheel changes.
- A built-in flow control valve prevents the chance of excessive spindle speed and also protects the motor, resulting in increased tool life.

#### ORDER INFORMATION

Model	Description	Motor Rotation	Weight	Length	Width
HGL80	1" x 8" Grinder	Clockwise	13.6 lbs	23.35 in.	12 in.
HGL81	1" x 8" Grinder	Clockwise	13.6 lbs	19 in.	12 in.
HGL80-N	1" x 8" Grinder with Aero Quip Couplers	Clockwise	13.6 lbs	23.35 in.	12 in.
HGL81-N	1" x 8" Grinder with Aero Quip Couplers	Clockwise	13.6 lbs	19 in.	12 in.
HGL80-L	1" x 8" Grinder	Counter Clockwise	13.6 lbs	23.25 in.	12 in.
HGL81-L	1" x 8" Grinder	Counter Clockwise	13.6 lbs	19 in.	12 in.
HGL80-LN	1" x 8" Grinder with Aero Quip Couplers	Counter Clockwise	13.6 lbs	23.35 in.	12 in.
HGL81-LN	1" x 8" Grinder with Aero Quip Couplers	Counter Clockwise	13.6 lbs	19 in.	12 in.
HGL61	Standard Bull Nose Grinder	Counter Clockwise	9.6 lbs	19 in.	10 in.
HGL61-N	Bull Nose Grinder with Aero Quip Couplers	Counter Clockwise	9.6 lbs	19 in.	10 in.

#### ACCESSORIES

Model	Part Number	Description
HGL61	30872	Bull Nose Grinder Stone
HGL80	28598	1" x 8" Horizontal Grinding Stone



#### SPECIFICATIONS

**Wheel Capacity:** 6 in. / 15 cm  
**Arbor Size:** 5/8 in. -11  
**Optimum Flow:** 10 gpm / 38 lpm  
**Hyd. Pressure:** 2000 psi / 140 bar

**Spindle Speed:** 4000 RPM  
**Length:** 18 in. / 46 cm  
**Width:** 10.5 in. / 27 cm  
**Weight:** 20 lbs / 9 kg

#### ORDER INFORMATION

Model	Description	Included Equipment
GR60121S	6 in. Grinder w/ Counter-Clockwise Rotation	Couplers and Hose Whips

#### ACCESSORIES

Part No.	Description
28597	6" Cup Grinding Stone



### GRINDER

#### MODEL GR60

**ROBOTIC WELDER**

**MODEL RW30**

The Patented RW30 Robotic Welder is a computer controlled welder. It is ideal for repairing rails or frogs. The RW30 provides consistent high quality welds.



Model RW30110 Robotic Welder Shown

**SPECIFICATIONS (RW30110)**

**Weld Zone Length:** 15.75 in. / 40 cm

**Weld Zone Width:** 13.75 in. / 34.9 cm

**Weld Speed (Estimated):** 5.0 in./minute / 32 cm/minute

**Weld Travel Speed:** 7.8 to 15.7 in./minute / 19.8 to 39.8 cm/minute

**Weight:** 65 lbs / 29.5 kg

**Length (Less Handles):** 25.6 in. / 650 mm

**Width:** 29 in. / 740 mm

**Height:** 16 in. / 400 mm

**Input Power Required:** 115-230 V / 50-60 Hz

**FEATURES**

- Eliminates operator exposure to weld fumes.
- Records all welding events into memory for later download to PC.
- Memory adapter, PC adapter, and software available as an option.
- Automated control provides consistent welds.
- Weld bead, patterns, and dimensions all electronically controlled.
- Automatic call-up from memory.



**INCLUDED WITH ALL MODELS**

Computer Control



Stick-out Gauge

**ORDERING INFORMATION**

Model	Description	Included Equipment
RW30110	Robotic Welder, 400 mm Travel, No Wire Feed	Frog Clamps, Stick Out Gauge, Computer Control
RW30112	Robotic Welder, 400 mm Travel, No Wire Feed	Above with Heater for cold weather operation
RW30120	Robotic Welder, 1000 mm Travel, No Wire Feed	Frog Clamps, Stick Out Gauge, Computer Control

**ACCESSORIES**

Part No.	Description
62328	Carbon Frog Inserts
66544	Right Self Alignment Clamp
66545	Left Self Alignment Clamp
69889	Charlie Main Board

Part No.	Description
69837	Pull Gun
69823	Roll 'un Roll
70716	Cold Weather Update Kit
WF10112	Wire Feeder

**ECONNECT**

# The New Generation of Pin Brazing Units



- Lightweight - 21.6 lbs - 60% Lighter.
- 20% lower energy consumption.
- Green - lead free battery.
- Battery with nano technology.
- Fully charged in 2 - 3 hours.
- Increased efficiency per charge.
- High capacity - 50 brazings per charge - 25% increase.
- Prepared for SafeBond® 1.
- Built in heater.

**Lightweight and digitized pin brazing unit.  
 ECONNECT reaches a whole new level of performance.**

**ECONNECT PACKAGE**

Part No.	Description
72970	ECONNECT Unit
72971	S-15 Automatic Brazing Gun
72972	Charger 36V / 110V f. ECONNECT 6.7A - 110V
72973	Carrying Strap
72790	Grinder
72974	Carrying Case
72975	ECONNECT Kit - (All of the Above)











EP30200

- Low Transition Resistance - Only 5 microhms / brazed joint (0.000005 ohm).
- High Mechanical Strength - Binding strength 71,000 psi, shear strength 35,550 psi, maximum load 5,000 N.
- Low Brazing Temperature - Braze material melts at 1227 degrees F / 650 degrees C.
- Very Quick Method - A braze takes about 2 seconds, a bond with 2 brazings plus grinding takes less than 2 minutes.
- Easy to use.
- Works in all weather conditions.



**SPECIFICATIONS**

	<b>BG10 Gun</b>	<b>EP30</b>
Voltage	36 Volts	36 Volts
Braze Capacity	N/A	40 - 60
Weight	2.5 lbs / 1.1 kg	44 lbs / 20 kg
Length	8.5 in / 21.5 cm	12.4 in / 92 cm
Width	2.75 in / 6.9 cm	8.6 in / 22 cm
Height	6.5 in / 16.5 cm	15.7 in / 40 cm

Part Number		Description
35808		Carbide Burr
35835		Brazing Pin, 8 mm
39705 - 16 in. Long 39244 - 7-7/8 in. Long 35844 - 5-3/4 in. Long		Contact Head Bond - with 7 mm or .276 in. Diameter
41226 - 46 in. Long 41225 - 34 in. Long		Switch Bond
40366		Extension Bond - 12 in. Long
39242 - 4-1/4 in. Long 41635 - 24 in. Long		Web Type Track Connection with 7 mm or .276 in. Diameter (Crimpable Sleeve is 3/16 in. in Diameter)
40366		Signal Extension Bond - 6-3/4 in. Long
35832 - 8 mm 35834 - 12 mm		Ceramic Ring for use with each brazing pin

Part Number		Description
35830		Ring Holder 8 & 9.5 mm Rings
35826		Pin Holder 8 & 9.5 mm
BG10100		Pin Brazing Gun (Includes Cable)
67122		Wire Clip (Secures Signal Wire to Rail)
35857		Copper Plate with M8 x 18 Brass Threaded Stud
HGE12151		Cordless Die Grinder, Battery and Charger
		Contact Stanley Hydraulic Tools for Complete List of Accessories

**PADLOCK**

**MODELS 83-3 / 83-2 / 83-1**



**FEATURES**

- Strong Powdered Metal Steel Body – Built up around cylinder for added protection against attack. Electroless nickel plated inside and out.
- Case hardened or stainless steel shackles offer maximum pull resistance.
- Pick resistant rotating disc cylinder is top loaded for protection against attack.
- Factory controlled high strength keys and blanks prevent unauthorized key duplication. For extra security, key is retained when lock is open.



Model	Shackle Diameter	Shackle Material	Body Width	Body Thickness	Body Height	Total Height	Shackle Clear		Wt. Lbs.
							Vertical	Horizontal	
80	9/16	Case Powdered Steel Body	2-3/4	1-13/32	2	4-7/16	1-7/8	1-1/4	1
81-1	9/16	Case Hardened Steel	2-3/4	1-13/32	2	4-7/16	1-7/8	1-1/4	1
83-1	3/8	Case Hardened Steel	1-7/8	1-1/8	1-7/8	3-3/8	1-1/8	13/16	.88
83-2	3/8	Case Hardened Steel	1-7/8	1-1/8	1-7/8	4-1/4	2	13/16	.97
83-3	3/8	Case Hardened Steel	1-7/8	1-1/8	1-7/8	5-1/4	3	13/16	.99
83-4	3/8	Stainless Steel	1-7/8	1-1/8	1-7/8	3-3/8	1-1/8	13/16	.88
83-5	3/8	Stainless Steel	1-7/8	1-1/8	1-7/8	4-1/4	2	13/16	.97
83-6	3/8	Stainless Steel	1-7/8	1-1/8	1-7/8	5-1/4	3	13/16	1.0

Model 81 (5) Disc Padlocks available keyed alike (KA) or keyed different (KD).  
 Model 83 (6) Disc Padlocks available keyed alike (KA) or keyed different (KD).  
 Note: All dimensions in inches.

Case hardened steel shackle.

Powdered metal steel body construction is electroless nickel plated inside and out.

Fluorocarbon o-ring.

To protect the lock from physical attack, the body is built up around the cylinder with a narrow shoulder to reduce the leverage point.



Unlike other locks, The Environmental Padlock's top-loaded cylinder cannot be extracted from the bottom. The cylinder can only be accessed when the shackle is in the unlocked and open position.

Dual deadlocking shackle.

Pick resistant disk cylinder.



Hydraulic systems come in many forms—from those found in the simple hydraulic jack to the more sophisticated systems found in earth moving equipment. The system required to operate most hydraulic tools found in this catalog would require 8 gpm / 30 lpm and be capable of providing system pressure up to 2000 psi / 140 bar. This system is referred to as a Type II, as classified by the Hydraulic Tool Manufacturers Association (HTMA). But there are also 3 other classifications. They are discussed below.

### HYDRAULIC TOOL MANUFACTURERS' ASSOCIATION (HTMA) REQUIREMENTS

Hydraulic tools fall into 4 classifications, Type I, Type II, Type III, and Type RR as set by HTMA. The system requirements for powering these tools are as follows:

Type I	5	gpm $\pm$ 10% / 19 lpm
Type II	8	gpm $\pm$ 10% / 30 lpm
Type III	12	gpm $\pm$ 10% / 45 lpm
Type RR	10	gpm $\pm$ 10% / 38 lpm

#### OPERATING PRESSURE:

Hydraulic systems should be capable of providing the appropriate operating pressure and flow for the system types noted above when measured across the tool connections. Deviation from the nominal flow rates should be no more than plus or minus 10% at a operating pressure of 2000 psi / 138 bar. This is the pressure that the tools will normally operate at which is not to be confused with the relief pressure.

#### RELIEF PRESSURE:

Hydraulic systems should be capable of limiting the maximum pressure by using either a pressure compensating pump or a relief valve with a non-pressure compensating pump. The system pressure limiting component shall begin to control the maximum pressure at no less than 2150 psi. This is commonly known as the "cracking pressure". The system pressure limiting component shall limit the maximum pressure to 2250 psi for a Type I, Type II, or Type III tool. The system pressure limiting component shall limit the maximum pressure to 2500 psi for a Type RR tool.

#### RETURN PRESSURE:

The hydraulic systems should generate no more than 250 psi / 17 bar return pressure (back pressure) at the tool when operating at maximum flow for the tool type. System conditions for this pressure are at maximum hydraulic fluid viscosity of 400 SUS (SSU) at minimum operating temperature.

#### COOLING:

The hydraulic systems should have sufficient heat rejection capacity to limit maximum oil temperature to 140° F / 60° C at the maximum expected ambient temperature. Recommended minimum cooling capacities to dissipate tool-generated heat are:

Type I	3 Horsepower / 2.24 kW
Type II	5 Horsepower / 3.73 kW
Type III	7 Horsepower / 5.22 kW
Type RR	6 Horsepower / 5.22 kW

When determining cooling capacity, the intended duty cycle and the system generated heat must both be considered.

#### FILTRATION:

Systems should have 25 micron nominal filtration for the hydraulic fluid. Recommended filter element size is at least three times system rated flow to prevent filter bypass under low temperature start-up.

#### FLUID:

Hydraulic systems should use hydraulic fluid that has a viscosity of 130-225 SSU / 27-42 cst at 100° F / 38° C. Hydraulic fluids of petroleum base with anti wear properties and high viscosity indexes over 140 will meet recommended hydraulic fluid requirements over a wide range of operating temperatures. They should be demulsifying type to allow water to settle out of the fluid.

## OPEN-CENTER AND CLOSED-CENTER SYSTEMS

There are two basic types of hydraulic systems — Open-Center and Closed-Center.

### OPEN-CENTER IS CONSTANT FLOW — VARIABLE PRESSURE

When a tool valve is in the OFF position, hydraulic oil flows through the ON/OFF valve ports of the tool and back to the reservoir. The system is constantly flowing oil through the tool valve ports and back to the reservoir at no pressure. When the tool valve is ON, oil circulates through the tool causing the tool to operate, and then returns to the reservoir. Pressure is created when resistance to flow is sensed by the system. This occurs when the tool is put to work. Pressure will increase as the tool needs it up to the relief setting in the hydraulic system.

### CLOSED-CENTER IS CONSTANT PRESSURE — VARIABLE FLOW

When a tool valve is in the OFF position, hydraulic oil flow stops at the ON/OFF valve port of the tool. The system will build and hold pressure without returning oil to the reservoir. When the tool valve is ON, oil circulates through the tool causing the tool to operate, and then returns to the reservoir. Pressure tends to be constant in the system. Pressure will increase as the tool needs it up to the settings in the hydraulic system. And if pressures higher than the system setting are demanded by the work, flow will decrease.

## FLUID TEMPERATURE

The following information will serve to assist those installing hydraulics in mobile applications for hand held tools. While many hydraulic circuits can run upwards to 200° F / 93° C, temperatures over 110° F / 43° C are uncomfortable to human touch. Our desire is to hold oil temperature to a maximum of 140° F / 43° C.

In almost any hydraulic tool circuit, oil cooling methods will be required except for very short periods of operation or in underwater and extreme cold environments. If you are involved in the design of a hydraulic tool circuit, use the following as guidelines.

### BASIC DON'TS FOR COOL OIL CONTROL

- DON'T** — Rely on a large reservoir to control oil heating. Large reservoirs, even with good air circulation, do not adequately dissipate heat.
- DON'T** — Set relief pressure too low (open-center circuits) for percussion type tools (breakers, hammer drills, etc.). Pressure peaks may run up to 350 PSI over gauge pressure, popping the relief and causing heat as well as low tool performance.
- DON'T** — Pump more oil than the tool should use and avoid flow controls if possible. Instead, size the pump for desired flow volume. Gear type flow dividers can be used to reduce flow more efficiently than valves, reducing heat.
- DON'T** — Use heavy oils such as 30W or 10W30 engine oils. These

will cause resistance in lines and add to back pressure and heat.

- DON'T** — Run return oil through control valves or other circuit components, except coolers and return line filters.

### DO THE FOLLOWING TO REDUCE HEAT GENERATION

- Operate pumps at moderate speed — gear pumps usually generate less heat and are less prone to cavitation at speeds of 1,000-2,000 RPM.
- Use generous line sizes — Especially on pump suction and return from tool to tank.
- Use oils in 130-225 SSU at 100° F / 38° C range with high viscosity index. (See hydraulic fluid recommendations at the end of this section)

### PROVIDE GOOD COOLING FOR HYDRAULIC OIL

- Use an air-to-oil cooler of maximum size for space available. Use a shrouded, high capacity fan. Many vehicles do not cool well when parked with engine at low speed. Do NOT use a “thermal” viscous-drive fan because these fans do not draw air unless the engine is hot.

## FLOW CONTROLS

- General Notes — To reduce or control flow rate through Stanley Tools, flow control valves are sometimes necessary. All possible effort should be made to avoid use of flow control valves where appropriate pump volume can be used because:
  - Excess oil volume and subsequent pressure drop generates heat.
  - When percussion type tools that generate pressure pulses are used, flow controls may oscillate and cause flow changes which reduce tool performance and add increased heating.
- Flow Control of Open-Center Circuits — Always use a priority type pressure-compensated flow control. This will prevent relief popping and reduce heat build-up. The excess flow should be routed in an unrestricted manner to the reservoir.
- Flow Control of Closed-Center Circuits — Use a two-port, pressure-compensated flow control. Some of these are very compact, in the range of 1-1/4” diameter by 5” long, and can be attached to the tool pressure pigtail. Do not use priority type controls on closed-center circuits, as this will cause the pump to operate at full volume — further heating the oil.

## QUICK DISCONNECTS

- Only use quick disconnects matching hose diameters. i.e. 1/2 inch port quick disconnect for 1/2 inch inside diameter hose.
- Use as few quick disconnects as possible and avoid using adapter fittings with quick disconnects. Fittings and quick disconnects, while necessary, create flow restriction which causes heat and reduced tool performance.



### HOSE TYPES

The rated working pressure of the hydraulic hose must be equal to or higher than the relief valve setting on the hydraulic system. There are three types of hydraulic hose that meet this requirement and are authorized for use with Stanley Hydraulic Tools. They are:

- Certified non-conductive - constructed of thermoplastic or synthetic rubber inner tube, synthetic fiber braid reinforcement, and weather resistant thermoplastic or synthetic rubber cover. Hose labeled certified non-conductive is the only hose authorized for use near electrical conductors.
- Wire-braided (conductive) - constructed of synthetic rubber inner tube, single or double wire braid reinforcement, and weather resistant synthetic rubber cover. This hose is conductive and must never be used near electrical conductors.
- Fabric-braided (not certified or labeled non-conductive) - constructed of thermoplastic or synthetic rubber inner tube, synthetic fiber braid reinforcement, and weather resistant thermoplastic or synthetic rubber cover. This hose is not certified non-conductive and must never be used near electrical conductors.

### TOOL TO CIRCUIT HOSE RECOMMENDATIONS

Oil Flow		Each Hose Length		Inside Diameter		USE	Wire Braid Hose Spec	Working Pressure		Fiber Braid Hose Spec	Operating Pressure	
GPM	LPM	FEET	METERS	INCH	MM			PSI	BAR		PSI	BAR
5-8	19-30	up to 50	up to 15	1/2	13	Both	SAE 100R17-8	3000	230	SAE 100R7-8	2000	140
5-8	19-30	51-100	15-30	5/8	16	Both	SAE 100R17-10	3000	230	SAE 100R8-10	2750	190
5-8	19-30	100-300	30-90	5/8	16	Pressure	SAE 100R2-10	2750	190	SAE 100R8-10	2750	190
				3/4	19	Return	SAE 100R1-12	1250	86	SAE 100R7-12	1250	86

NOTE: SAE 100R16 may be used in place of SAE 100R2

### RECOMMENDED HOSE CONFIGURATIONS

When a longer hose configuration is used by connecting hoses together, system back pressure is increased. Too high a back pressure may reduce performance and life of the tool. Stanley recommends back pressure not to exceed 250 psi / 17 bar. In addition, oil temperature should be limited to 140 degrees F / 60 degrees C.

For both 5 and 8 gpm (20 - 30 lpm) tools, standard hose with a 1/2" inside diameter is acceptable to use up to 100' or 30 m when configured with **(2) sets of 50 feet hose**.

Stanley **does not** recommend the following configurations with 1/2" diameter hose.

- (4) sets of 25' hose
- (1) set of 50' hose + (2) sets of 25' hose

These configuration will drive back pressure beyond recommended levels. For longer lengths between 100' to 300' Stanley recommends increasing the hose diameters to the following:

**Pressure Line** - 5/8" Inside Diameter Hose

**Return Line** - 3/4" Inside Diameter Hose

The increased hose diameter will alleviate back pressure and allow proper tool operation.

#### PERFORMANCE NOTES

When operating with longer hose lengths with the same diameter hose, back pressure increases. When operating hydraulic tools at 100' with the 1/2" diameter hose, some decrease in performance is possible.

This should not noticeably affect overall performance of the tool, but note it is not under optimal conditions with longer hose configurations.

**RECOMMENDED HYDRAULIC FLUIDS****FLUIDS FOR MOBILE HYDRAULIC TOOL CIRCUITS**

The specification listed here will provide good all season operation if your circuit is of proper design and normal maintenance is performed. (Periodic filter change, draining of condensate, etc.)

**SPECIFICATIONS**

Item	U.S.A.	Metric
Viscosity (Fluid Thickness)	50° F 450 SSU Max.	10° C 95 Centistokes Max.
Viscosity (Fluid Thickness)	100° F 130-225 SSU	38° C 27-42 Centistokes
Viscosity (Fluid Thickness)	140° F 85 SSE Min.	60° C 16.5 Centistokes Min.
Pour Point (Min. for cold startup)	-10° F	23° C
Viscosity Index	(ASTM D2220)	140 Minimum
Demulsibility	(ASTM D1401)	30 Minutes Max.
Flash Point	(ASTM D92)	340° F Min.
Rust Inhibition	(ASTM D665 A&B)	Pass
Oxidation	(ASTM D943)	1000 Hours Min.
Pump Wear Test	(ASTM D2882)	60 mg Max.
Biodegradability	CEC-L-33-A94	>60%

**RECOMMENDED FLUIDS**

The fluids listed here work well over a wide temperature range at start-up, allow moisture to settle out, and resist biological growth likely in cool-operating hydraulic circuits. These fluids are recommended by Stanley Hydraulic Tools for use in our tools. Other fluids that meet or exceed the specifications of these fluids may also be used. Biodegradable fluids listed are compatible with all tool seals and hoses.

**RECOMMENDED FLUIDS**

Brand	Biodegradable	Description
CITGO	No	Hydurance All Temp
AMS Oil	No	HVH 32
Exxon Mobil	No	Univis HVI26*
Exxon Mobil	No	DTE 10 Excel
Shell	No	S2 V 32
Chevron	No	Rando HDZ 32
Conoco Phillips	No	Unax AW-WR-32
Clarion (CITGO)	Yes	Green Bio 32
Exxon Mobil	Yes	EAL 224H
Chevron	Yes	Clarity AW32
RSC Bio Solutions	Yes	Envirologic 132
Shell	Yes	Naturelle HF-E-32

\*Recommended for extreme cold weather operation.

# MORE POWER TO YOU

Stanley Hydraulic Tools makes a variety of hand held hydraulic tools for electric utilities, underwater applications, and other industries, as well as mounted breakers, compactors, grapples and shears, providing the broadest lineup of hydraulic-powered tools in the industry. Visit [www.stanley-hydraulic-tools.com](http://www.stanley-hydraulic-tools.com) for a complete listing.

### MOUNTED BREAKERS

Our mounted breakers feature industry leading design innovations including a patented valving system which provides unmatched performance and durability, a unique, direct-acting nitrogen chamber that results in increased impact force with the simplicity of only two moving parts and a rugged housing and power-cell designed to excel in the most demanding applications. Our mounted breakers are ideal for construction, demolition and quarry applications and are backed by one of the most trusted names in the industry.



### CYCLONE DROP HAMMER

The Cyclone Drop Hammer is hands down, pound for pound, the most productive tool for breaking concrete flat work. It is extremely simple to install, use and maintain. The Cyclone can be mounted to skid steers, small excavators and rubber tire backhoe loaders. Since it sits directly on top of the material using no down pressure, the energy produced by the hammer's drop is concentrated on the material itself, causing very little shock energy to go back into the machine. This significantly reduces fatigue to the machine and the operator.



### MOUNTED COMPACTORS

Stanley Mounted Compactors are available to match applications requiring 2,500 to 22,000 pounds of vibratory force. The complete line includes models to fit virtually any base machine from skid steers and mini-excavators to crawler excavators. The rugged construction of Stanley Mounted Compactors features direct drive, heavy duty gear motor and patented baseplate design with outboard rubber shock mounts to ensure longer service life.



### LABOUNTY ATTACHMENTS

Stanley's LaBounty shears, grapples, & pulverizers are coveted fixtures at construction, demolition, and scrap recycling job sites throughout the world. Our attachments--some as old as the company itself--have stood atop the industry for more than 30 years and are recognized as the utmost in quality, durability, and lasting performance.



### HAND HELD HYDRAULIC TOOLS

Hydraulic Hand held Tools from Stanley increase job versatility and get the job done quickly, effectively and quietly. Hydraulic power is the most efficient power of any traditional power source with the highest power-to-weight ratio of any power tool. Our hand held line of tools can be powered from a variety of hydraulic power sources such as backhoes, aerial lifts, dump trucks and Stanley Hydraulic Power Units, including our mobile power unit – the TracHorse.



For more information on Stanley Hydraulic Tools, please call our Milwaukie, OR factory at: **800-972-2647** or visit our web site at: **[www.stanleyhydraulics.com](http://www.stanleyhydraulics.com)**

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