

*Stanley Hydraulic Chain Saw for cutting Ductile Iron Pipe and more*

*Not just another way to cut pipe, but a new way to do the job*

## PERFORMANCE

- Cuts through 12" ductile iron pipe in under 4 minutes
- Cuts free hand or with pipe clamp
- 10" cut capacity when using pipe clamp with 15" bar
- 12" cut capacity when using pipe clamp with 18" bar
- Any size pipe can be cut free hand
- Wet cut system-requires a minimum 2 GPM of water flow @ 20 PSI
- Compatible with HTMA Type II Hydraulic Systems



**Cuts pipe from a single position in confined space**

Stanley's New Utility Chain Saw is a revolutionary cutting method designed to change the way the job gets done. From ductile iron to plastic pipe, this chain saw will get you in and out of the job faster, easier and safer than other methods. Utilizing a brazed layer diamond coating on a durable chain chassis, this technology provides improved access with far less excavation in a confined space such as cutting water main pipe in a ditch.

## PRODUCT BENEFITS

- Improved operator safety
- Reduced excavation
- Reduced labor time
- Reduced operator effort
- Easy control while cutting
- Single side access
- Quiet and exhaust free hydraulic power
- Reduces rotational inertia associated with abrasive blade cut-off saws
- Operates in wet environment - i.e. flooded ditch

## Utility Chain Saw cuts

- Ductile Iron Pipe
- Insituform Pipe Lining
- PVC Pipe
- Copper Pipe
- Cast Iron Pipe
- HDPE Pipe
- Roofing Shingles
- CMU Concrete Block
- Non Reinforced Concrete
- Roofing Tile
- Steel Roofing Material
- Masonry



## Pipe Clamp Accessory (sold separately)

The pipe clamp accessory brings a whole new level of safety, accuracy and ease of use to the jobsite. Mount the clamp to the pipe and install the saw to the clamp. This rigid structure reduces the effort of handling the saw, while providing a solid, stable cutting platform that also improves operator safety and precision of the cut. Pipe clamp fits 4" to 12" diameter pipe.



**NEW**

# DS12 Utility Chain Saw

## SPECIFICATIONS

ITEM	USA	METRIC
CAPACITY	15 or 18 inch Bar	38 or 45 cm Bar
HYDRAULIC FLOW RANGE	7 - 9 GPM	26 - 34 lpm
WORKING PRESSURE	1000-2000 PSI	70-140 bar
FULL RELIEF SETTING	2250 PSI	155 bar
PORTS	-8 SAE O-Ring	
WEIGHT (with 18" bar, chain and couplers)	26 lbs	11.8 kg
LENGTH (with bar & chain)	35 or 38 inch	89 or 97 cm
WIDTH	9 inch	23 cm
CONNECTION	3/8 inch Flush Face Quick Disconnect Couplers	
HOSE WHIPS	Yes	
LUBRICATION/COOLING	Internal Water Channels in Bar	
MINIMUM WATER REQUIREMENT	2 GPM of WATER FLOW @ 20 PSI	

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
DS12315	Chain Saw, 8 GPM, with 15" Utility Bar & Chain with HTMA couplers
DS12318	Chain Saw, 8 GPM, with 18" Utility Bar & Chain with HTMA couplers
ACCESSORIES	DESCRIPTION
71050	15" Utility Chain
71049	15" Bar for Utility Chain
71048	18" Utility Chain
71047	18" Bar for Utility Chain
71055	Pipe Clamp Assembly
71046	Drive Sprocket
DCP30100	Water Pump, 12 VDC, DC Plug, Marine Type
DCP30101	Water Pump, 12 VDC, Battery Clips
60859	Water Flow meter, 0-7 GPM
23517	Sprocket Wrench

## WARRANTY

Stanley Hydraulic Tools and their associated parts are warranted against defects in materials and workmanship for a period of twelve months from the date of purchase. Stanley Hydraulic Tools reserves the right to repair or replace only those parts which prove to have been defective at the time of purchase. This warranty becomes void if maximum flow and pressure ratings are exceeded.

All Stanley Hydraulic Tools, parts, accessories and allied equipment are subject to design improvements, specifications 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 applications, please consult Stanley Hydraulic Tools.



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## Commonly asked Questions & Answers DS12 Utility Chain Saw

Revised 8/1/2009

**Q When cutting ductile iron pipe in a ditch, is it best to cut from the top of the pipe down or from the side up?**

A: Our testing so far indicates top down works best in a given situation.

**Q What will the Utility chain cut?**

A: In initial trials it has cut ductile iron, PVC, steel and copper pipe as well as a variety of other materials such as metal roofing, roofing shingles, mild steel, asphalt, concrete block and brick pavers, non reinforced concrete.

**Q Will it cut concrete?**

A: It can cut non reinforced concrete however, excess chain stretch and reduced life may result.

**Q Will it cut PVC and HDPE?**

A: Yes

**Q Is the Utility chain available on the DS06 platform?**

A: Not currently.

**Q Can you cut free-hand or does it have to be used with the clamp?**

A: It can be used either free hand or with the clamp

**Q What diameter pipe will the 15" bar cut while using the clamp?**

A: 10"

**Q Without the clamp?**

A: Any size

**Q What diameter pipe will the 18" bar cut while using the clamp?**

A: 12"

**Q Without the clamp?**

A: Any size

**Q What size pipe will the clamp fit?**

A: 4" - 12"

**Q How much down force should be exerted on the saw when cutting?**

A: As much as desired without bogging down the saw motor

**Q Is this a wet cut system?**

A: Yes, the water is necessary for the cooling and lubrication of the bar and chain.

**Q What is the minimum water flow and pressure required?**

A: 2 GPM at 20 psi is adequate

**Q Can it be run dry?**

A: No

**Q Can I plunge cut?**

A: Plunge cutting increases the risk of snagging during the cut and can create kickback like reactions so it is not recommended.



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**Q Can I cut with the tip of the bar in the dirt?**

A: Cutting with the chain and/or bar tip in the dirt should be avoided as it will significantly increase chain stretch, reducing chain life.

**Q Is water required when running this chain in an underwater application?**

A: Running without water lubrication in an underwater application has not been tested.

**Q How much sag should be in the chain before the cut?**

A: The bottom of the "guide link" should be even with the bottom of the bar rail.

**Q When will I know that the chain has reached EOL?**

A: Cut time will increase significantly and a straight cut may become difficult

**Q When will I know that the bar has reached EOL?**

A: It will be difficult to make a straight cut even with a new chain.

**Q Should the bar be flipped during the life of the chain? If so, what are the signs that it needs to be flipped?**

A: The bar should be flipped or the bar rails dressed if the cut begins to lead to one side.

**Q When cutting pipe in the ground, will the bar and chain become pinched during cutting? If so what should be done to correct?**

A: Like with cutting any material with any chain saw, movement of the material being cut can pinch the bar and/or chain and could stop the cut or even break the chain. Typical steps like blocking or suspending the material, cutting opposite the potential pinch point etc. should be taken to avoid this problem.

**Q Will there be sparks?**

A: Yes, occasional sparks are normal.



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## Check List and Cutting Tips

### DS12 Utility Chain Saw

Revised

8/1/2009

## Pre-Cut Checklist, Cutting Tips & Cutting Free-Hand and/or with Pipe Clamp

### Pre-Cut Checklist

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- Read saw manufacturer Operators Manual and understand the contents before using this equipment.
- Proper Chain tension: Bottom tip of drive link hangs even with bottom of bar.
- Ensure proper water flow (minimum of 20 psi).
- Ensure hydraulic supply from power unit.
- Mark cut on pipe.
- Block pipe from shifting, support weight of pipe.
- Ensure cut can be made without contacting dirt.

### Cutting Tips

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#### If using pipe clamp applicable for pipe 4"-12"

- Place clamp around top of pipe, hand tighten adjustment nut.
- Position saw on pipe clamp by sliding saw clamp axle through receiver hole at top of clamp, secure with snap pin.
- If necessary, reposition saw clamp / saw assembly around pipe to optimum cutting position.
- Ensure saw is positioned to allow handle to pivot during cut unobstructed, and ensure saw tip doesn't contact dirt.
- Tighten clamp nut with wrench.

#### Cutting free-hand or with pipe clamp

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- Position saw to avoid pinching the blade or chain as pipe is cut, support pipe from top and side, to prevent cut pipe from injuring operator.
- Hold saw so chain isn't in contact with pipe, start water and activate saw to full power, Press chain against pipe slowly; apply pressure to cut through pipe.
- Pressure can be applied to cut until saw motor starts to lug.



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