



PIPE TOOLS & VISES  
SINCE 1896



**DRAINAGE  
SOLUTIONS, INC**

(317) 346-4110

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



H6SHH

H4S

# Operating Instructions

## Hinged Cutter™

For cutting steel, ductile iron and cast iron pipe

**TRAINING  
VIDEOS**  
Videos de capacitación  
Videos d'Instructions



**REED**  
PIPE TOOLS & VISES  
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Table 1  
HINGED CUTTER CHART

Catalog No.	Item Code	Pipe Capacity		Length		Weight	
		Inches Nom.	Actual Ø mm	in	mm	lbs	kg
H2 1/2S*	03110	1 - 2 1/2	32 - 76	17	419	7.2	3.3
H2 1/2I*	03112	1 - 2 1/2	32 - 76	17	419	7.2	3.3
H2 1/2X*	03114	1 - 2 1/2	32 - 76	17	419	7.2	3.3
H4S	03120	2 - 4	60 - 125	22	559	12.8	5.8
H4I	03122	2 - 4	60 - 125	22	559	12.8	5.8
H4X	03124	2 - 4	60 - 125	22	559	12.8	5.8
H6S**	03130	4 - 6	114 - 182	28	711	19.4	8.8
H6I	03132	4 - 6	114 - 182	28	711	19.4	8.8
H6X	03134	4 - 6	114 - 182	28	711	19.4	8.8
H8S**	03140	6 - 8	168 - 240	32	813	24.4	11.1
H8I	03142	6 - 8	168 - 240	32	813	24.4	11.1
H8X	03144	6 - 8	168 - 240	32	813	24.4	11.1
H8XX	03146	6 - 8	168 - 240	32	813	24.4	11.1
H12S	03150	8 - 12	219 - 356	34	864	34.9	15.9
H12I	03152	8 - 12	219 - 356	34	864	34.9	15.9
H12X	03154	8 - 12	219 - 356	34	864	34.9	15.9
H12XX	03156	8 - 12	219 - 356	34	864	34.9	15.9
H6SHH	03138	4-6	114 - 182	51	1295	21.8	9.9
H8SHH	03148	6-8	168 - 240	58	1473	23.6	10.7
H12SHH	03158	8-12	219 - 356	63	1600	36.5	16.6

\* EXCLUSIVE / EXCLUSIVO

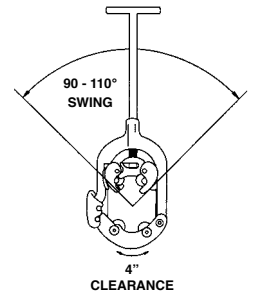
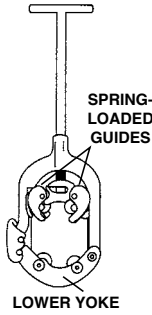
\*\*H6S (WITH HS6 CUTTER WHEEL) CAN BE USED TO CUT 4" - 6" COPPER, TYPE K & L. H8S (WITH HS8-12 CUTTER WHEEL) CAN BE USED TO CUT 6" - 8" COPPER, TYPE K & L.

Table 2 /  
CUTTER WHEEL REFERENCE CHART

Item Code	Catalog No.	Quantity	Model	Application	
Código del Art.	No. de Cat.	Cant.	Modelo		Uso
03502	HS21/2	4	H21/2	Steel; Stainless Steel	Acero; Acero inoxidable
03504	HS4	4	H4	Steel; Stainless Steel	Acero; Acero inoxidable
03505	HS14	4	H4	Steel; Stainless Steel; Cast Iron; Ductile Iron	Acero; Acero inoxidable; Hierro fundido; Hierro dúctil
03506	HS6	4	H6	Steel; Stainless Steel; Copper	Acero; Acero inoxidable; Cobre
03507	HS16-8	4	H6; H8	Steel; Stainless Steel; Cast Iron; Ductile Iron	Acero; Acero inoxidable; Hierro fundido; Hierro dúctil
03508	HS8-12	4	H8; H12	Steel; Stainless Steel	Acero; Acero inoxidable
03510	HX21/2	4	H21/2	Steel; Stainless Steel; Schd 80	Acero; Acero inoxidable; cédula 80
03512	HX4	4	H4	Steel; Stainless Steel; Schd 80	Acero; Acero inoxidable; cédula 80
03514	HX6	4	H6	Steel; Stainless Steel; Schd 80	Acero; Acero inoxidable; cédula 80
03516	HX8	4	H8; H12	Steel; Stainless Steel; Schd 80	Acero; Acero inoxidable; cédula 80
03518	HXX8	4	H8; H12	Steel; Stainless Steel; Schd 100	Acero; Acero inoxidable; cédula 100
03522	HI4	4	H4	Cast Iron; Ductile Iron	Hierro fundido; Hierro dúctil
03524	HI6	4	H6; H8; H12	Cast Iron; Ductile Iron	Hierro fundido; Hierro dúctil
03525	H6PSE5	4	H6; H8; H12	Steel; Cast Iron; Ductile Iron	Acero; Hierro fundido; Hierro dúctil
03574	HSB4	4	H4	Steel; Stainless Steel (ball bearing)	Acero; Acero inoxidable; con rodamientos de bolas
03576	HSB6	4	H6	Steel; Stainless Steel (ball bearing)	Acero; Acero inoxidable; con rodamientos de bolas
03578	HSB8-12	4	H8; H12	Steel; Stainless Steel (ball bearing)	Acero; Acero inoxidable; con rodamientos de bolas
03624	2RBCI	4	H21/2	Cast Iron; Ductile Iron	Hierro fundido; Hierro dúctil

# Operating Instructions

1. Choose the cutter wheel for the right pipe application: steel, cast iron, etc. (Table 2)
2. Turn handle to open cutter enough to accommodate the size of pipe to be cut.
3. Place cutter around pipe with spring-loaded guides on top. Connect lower yoke by pushing upward to locked position. Turn the cutter handle until the wheels are uniformly touching the pipe.
4. Begin to cut the pipe by moving the entire cutter in a back and forth motion that constitutes a 90 - 110 degree swing.
5. Check to make sure that the wheels are tracking uniformly. If so, tighten the handle one-half turn each time that you bring the cutter handle back toward yourself.



**WARNING:** DO NOT STOP FOR ANY SIGNIFICANT AMOUNT OF TIME IN THE MIDDLE OF A CUT! THE CUTTING ACTION GENERATES HEAT ON THE PIPE. UPON COOLING, THE WHEELS MAY BECOME WEDGED IN THE TRACK. THIS IS ESPECIALLY TRUE FOR DUCTILE IRON PIPE.

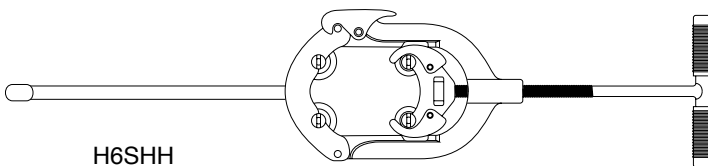
6. Complete the cut by maintaining pressure on the cutter wheels as you continue to swing the cutter in a back and forth motion.

**USE LUBRICATING OIL:** It will take less effort and prolong the life of the cutter wheels and pins. DO NOT use cutting oil.

**BADLY CRUSTED AND RUST SCALED PIPE:** Use a Reed Descaler (Table 3) to remove the rust and scale from the area to be cut. A hammer and chisel or coarse file may also be used. Descaling will help save cutter wheels and cutting time; and will help square the cutter on the pipe to insure tracking.

**Hinged Cutters™ with Helper Handles** operate in the same manner as regular Hinged Cutters. The second handle is screwed into the bottom of the cutter, 180 degrees across from the main handle. These models require handle-length clearance, though, to turn the cutter in a full circle. The helper handle models are designed to allow two people to make a team effort for bigger, tougher cuts. These models are also useful for horizontal cuts on vertical pipe such as well casing. They use the same wheels and maintenance as regular Reed Hinged Cutters.

NOTE: Leave the extra handle off for use as a regular Hinged Cutter, with its low clearance needs.



## HELPFUL HINTS FOR DUCTILE IRON PIPE:

Maintain maximum pressure on the cutter wheels. Continue feeding in with each revolution or cycle as ductile iron pipe tends to work harden and will become extremely difficult to penetrate. Once pipe is fractured, continue feeding to insure cut has in fact been completed all the way around the pipe.

## CHANGING CUTTER WHEELS IN A REED HINGED CUTTER

1. Turn the cutter over to look at the back side of the tool. (This is the side opposite of the wheel pin heads.)
2. Using a punch or small screwdriver and hammer, gently tap on the wheel pin positioned in the center of the cutter wheel.
3. The wheel pin will pop up on the front side of the cutter just enough to enable you to remove the pin from the cutter wheel with your fingers.
4. Before installing the new wheel, make sure the wheel pin, wheel sides and wheel hole are greased. Place the replacement cutter wheel in the correct space. It is necessary to insert the wheel pin partially through the cutter wheel to keep it in position.
5. Looking at the front of the cutter, use the same punch or small screwdriver and hammer to gently tap the wheel pin into position. Notice there are two opposite flat sides on the top of the wheel pin. These flat sides must line up with the flat spots on the cutter itself.
6. When done correctly, the top of the wheel pin will be flush/even with the designated spot on the front of the cutter.

VIDEO INSTRUCTION AVAILABLE:  
[videos.reedmfgco.com/hingedcutters](https://videos.reedmfgco.com/hingedcutters)

## NOTE:

- No cutter wheels available for cutting soil pipe.
- For cutting larger diameter pipe (up to 42") use Reed Rotary™ Cutters.
- For cutting cast iron and ductile iron up to 48" with air (pneumatic) power, use Reed Universal Pipe Cutters.

Table 3

### PIPE DESCALERS

Cat. No.	Item Code	Pipe Cap.	Style	Length	
DS12	08000	3 - 12 in	Steel	70 - 300 mm	32 in 810 mm
DS36	08006	3 - 36 in	Steel	70 - 910 mm	44 in 1110 mm
DS12B	08008	3 - 12 in	Belt	70 - 300 mm	45 in 1143 mm
DS36B	08010	12 - 36 in	Belt	300 - 910 mm	72 in 1829 mm



### **Reed Lifetime Warranty**

Reed Hand Tools are for the professional trade and are warranted against all failure due to defects in workmanship and materials for the normal life of the tool.

FAILURES DUE TO MISUSE, ABUSE, OR NORMAL WEAR AND TEAR ARE NOT COVERED BY THIS WARRANTY.

Power units for Universal Pipe Cutters, Saw It<sup>®</sup>, hydrostatic test pumps, and threading power drives are warranted for a period of one year from date of purchase. Hydraulic pumps for PE Squeeze-Off Tools have a one year warranty from date of purchase.

NO PARTY IS AUTHORIZED TO EXTEND ANY OTHER WARRANTY. NO WARRANTY FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY.

No warranty claims will be allowed unless the product in question is received freight prepaid at the Reed factory. All warranty claims are limited to repair or replacement, at the option of the company, at no charge to the customer. REED IS NOT LIABLE FOR ANY DAMAGE OF ANY SORT, INCLUDING INCIDENTAL AND CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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