

Clamps & Pipe Tools

Clamps &
Pipe Tools



C-Clamps

- Models with copper plated screws resist adherence of welding splatter.
- Heavy service C-Clamps are available for the most demanding applications such as construction and heavy industry.
- I-beam design for greater strength and lighter weight.
- Drop-forged and heat treated frames for greater safety and strength.

Pipe Tools

- Aluminum and cast iron pipe wrenches are available in sizes up to 48".
- Universal pipe wrenches are available in lengths up to 42".
- Tubing cutters and flaring tools round out the product line.





Drop Forged C-Clamps

Deep Throat Design, Copper Plated Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)
CC-402C	2	2 11/32	1/2	3500
CC-403C	3	2 3/4	1/2	3500
CC-404C	4	3 3/16	3/4	6500
CC-406C	6	4 1/8	3/4	6900
CC-408C	8	5 3/16	3/4	6900
CC-410C	10	6	3/4	8000
CC-412C	12	6 1/2	7/8	9500

Features

- Copper plated screw resists weld splatter.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to "springing".



CC-406C

CLAMPS & PIPE TOOLS

C - CLAMPS



Drop Forged C-Clamps

Deep Throat Design, Standard Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)
CC-402S	2	2 11/32	1/2	3500
CC-403S	3	2 3/4	1/2	3500
CC-404S	4	3 3/16	3/4	6500
CC-406S	6	4 1/8	3/4	6900
CC-408S	8	5 3/16	3/4	6900
CC-410S	10	6	3/4	8000
CC-412S	12	6 1/2	7/8	9500

Features

- Black threaded screw with T-handle.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to "springing".



CC-406S



Drop Forged C-Clamps

Deep Throat Design, Copper Plated Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Working Load (lbs)	Max. Hand Load (lbs)	Frame Proof Load (lbs)
20002	2	2-1/4	9/16	2000	2600	3500
20003	3	2-7/16	9/16	2400	2880	3500
20004	4	3-1/4	11/16	2800	4480	6500
20006	6	4-1/16	3/4	3400	4700	6900
20008	8	5	3/4	4000	4930	6900
20010	10	6	7/8	5000	5500	8000
20012	12	6-1/2	7/8	6000	7000	9500

C-Clamp Set

Product Code	Contents Include:
20042	4 Piece C-Clamp Set. Includes sizes 2", 4", 6", and 8"

Features

- Copper plated screw resists weld splatter.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Powder coated frame resists rust.
- "Safety Yellow" color makes clamps easy to locate in dark work areas.



20002



20042

Heavy Service C-Clamps

Deep Throat Design, Standard Screw

Product Code	Maximum Capacity (Inches)	Minimum Capacity (Inches)	Throat Depth From Center (Inches)	Exterior Body Width (Inches)	Screw Diameter (Inches)	Screw Length Under Head (Inches)	Min Test Load (Inches)
CC-1AAW	1 3/8	0	1 1/8	2 23/32	13/32	2 7/16	5,600
CC-1 1/2AAW	1 7/8	0	1 21/32	3 19/32	5/8	3 1/4	8,750
CC-2AAW	2 11/32	0	1 7/8	4 1/4	23/32	4 1/8	12,500
CC-3AAW	3 7/16	1/8	2 13/32	5 3/4	27/32	4 7/8	16,250
CC-3LAAW	3 7/16	0	2 1/2	5 3/4	27/32	5 3/4	16,250
**							
CC-4AAW	4 21/32	17/32	2 7/8	6 1/4	27/32	6	20,000
CC-4LAAW	4 21/32	0	2 7/8	6 1/4	27/32	7 1/4	20,000
**							
CC-5AAW	5 5/8	1/2	3 1/8	7	27/32	7 1/4	23,800
CC-5LAAW	5 5/8	0	3 1/8	7	27/32	8 7/8	23,800
**							
CC-6AAW	6 1/2	1 5/32	3 1/2	7 1/2	1 3/32	8	27,500
CC-6LAAW	6 1/2	0	3 1/2	7 1/2	1 3/32	10	27,500
**							
CC-8AAW	8 1/2	4	3 11/16	8 1/2	1 3/32	7 1/8	31,250
CC-8LAAW	8 1/2	0	3 11/16	8 1/2	1 3/32	11 5/8	31,250
**							
CC-10AAW	10 3/8	5 3/8	4 3/8	8 1/2	1 3/32	7 3/4	35,000
CC-10LAAW	10 3/8	0	4 5/16	8 1/2	1 3/32	14 3/8	35,000
**							
CC-12AAW	12 3/8	7 1/4	4 7/16	9 1/2	1 3/32	8 1/4	40,000
CC-12LAAW	12 3/8	0	4 1/4	9 1/2	1 3/32	16 7/16	40,000
**							

** Where zero capacity is desired, the clamps with long screws should be ordered. These are indicated with an "L" in the product code.



Features

- Especially designed for heavy duty service, frames are drop-forged and heat-treated for maximum strength and reduced springing.
- Screws are made of special grade steel and are heat-treated for added strength not found in typical case-hardened screws.
- To tighten, the square headed screw must be turned with a wrench.
- Ideal for the most demanding applications such as construction and heavy industry.
- Square head screw allows tightening with wrench for extra heavy duty clamping requirements.
- Greater anvil surface for gripping larger work pieces and for greater stability.



CC-4AAW

Pipe Wrenches

Aluminum, Heavy Duty

Product Code	Overall Capacity (Inches)	Maximum Jaw Opening (Inches)	Hook Jaw	Spare Parts Heel Jaw & Pin	Knurl Nut
13500	8	1 5/16	13511	13567	13571
13502	10	1 5/8	13552	13562	13572
13504	12	2 1/8	13553	13563	13573
13506	14	2 9/16	13554	13564	13574
13508	18	3 1/8	13555	13565	13575
13510	24	3 3/4	13556	13566	13576
13512	36	5	13557	13568	13577
13514	48	6	13558	13569	13578

Pipe Wrench Set

Product Code	Contents Include:
13542	3 Piece Aluminum Pipe Wrench Set. Includes 8", 12", and 18" wrenches

Features

- Aluminum pipe wrenches are approximately 40% lighter than cast iron.
- Heavy duty construction for strength and durability.
- Scale on wrench indicates pipe diameter.



13500



13542



Pipe Wrenches

Cast Iron, Heavy-Duty

Product Code	Overall Capacity (Inches)	Maximum Jaw Opening (Inches)
13516	6	$\frac{7}{8}$
13518	8	$1\frac{5}{16}$
13520	10	$1\frac{5}{8}$
13522	12	$2\frac{1}{8}$
13524	14	$2\frac{9}{16}$
13526	18	$3\frac{1}{8}$
13528	24	$3\frac{3}{4}$
13530	36	5
13532	48	6

Pipe Wrench Set

Product Code	Contents Include:
13544	3 Piece Cast Iron Pipe Wrench Set. Includes 8", 12", and 18" wrenches

Features

- Heavy duty construction for strength and durability.
- Scale on wrench indicates pipe diameter.

Pipe Wrenches Sets

Heavy Duty construction for strength and durability.
Scale in the key indicates the diameter of the tube.

Product Code	Overall Capacity (Inches)	Maximum Jaw Opening (Inches)	Spare Parts		
			Hook Jaw	Heel Jaw & Pin	Knurl Nut
13516	6	$\frac{7}{8}$	13550	13560	13570
13518	8	$1\frac{5}{16}$	13511	13567	13571
13520	10	$1\frac{5}{8}$	13552	13562	13572
13522	12	$2\frac{1}{8}$	13553	13563	13573
13524	14	$2\frac{9}{16}$	13554	13564	13574
13526	18	$3\frac{1}{8}$	13555	13565	13575
13528	24	$3\frac{3}{4}$	13556	13566	13576
13530	36	5	13557	13568	13577
13532	48	6	13558	13569	13578

Aluminum, Heavy Duty

- The aluminum pipe wrenches are approximately 40% lighter than cast iron.
- Heavy-duty construction for strength and durability.
- The scale in the key indicates the diameter of the pipe.

Product Code	Maximum Jaw Opening (Inches)	Hook Jaw	Spare Parts	
			Heel Jaw & Pin	Knurl Nut
13500	$1\frac{5}{16}$	13511	13567	13571
13502	$1\frac{5}{8}$	13552	13562	13572
13504	$2\frac{1}{8}$	13553	13563	13573
13506	$2\frac{9}{16}$	13554	13564	13574
13508	$3\frac{1}{8}$	13555	13565	13575
13510	$3\frac{3}{4}$	13556	13566	13576
13512	5	13557	13568	13577
13514	6	13558	13569	13578
13532	48"	13558	13569	13578

CLAMPS & PIPE TOOLS

HEAVY SERVICE C-CLAMPS, PIPE WRENCHES



13516



13544



Flange-Jacks

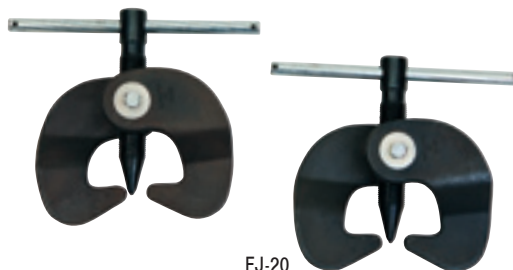
Tremendous Pressure With Minimum Effort

Product Code	* 125 Pound Cast Iron	* 150 Pound Cast Iron	* 250 Pound Cast Iron	* 300 Pound Cast Iron
FJ-20	2 to 20	2 to 20	1 to 12	$\frac{3}{4}$ to 12
FJ-30	16 to 48	18 to 24	12 to 30	12 to 24

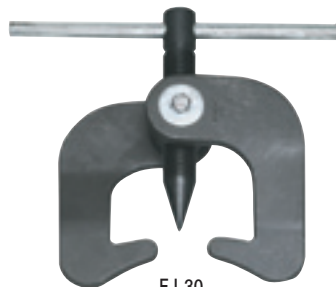


Features

- Ideal for working on pipe lines and other applications involving flanges.
- Makes gasket removal fast and easy.
- Flanges are separated smoothly and evenly without damage to flange faces.
- Flange jacks are sold only in pairs.
- Eliminates danger from flying wedges and sparks caused by hammer blows.
- Ideal for hard to reach locations.



FJ-20



FJ-30



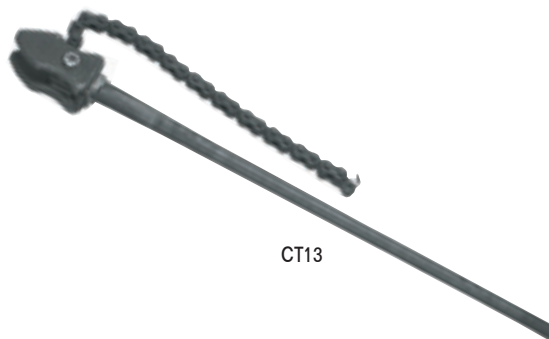
Chain Pipe Tongs

The Original Williams Chain Pipe Tong

Product Code	Pipe Minimum Diameter (Inches)	Pipe Maximum Diameter (Inches)	Tong Length (Inches)	Chain Length (Inches)
CT-12	$\frac{1}{4}$	$2\frac{1}{2}$	27	$18\frac{1}{2}$
CT-13	$\frac{3}{4}$	4	$38\frac{1}{8}$	25
CT-13- $\frac{1}{2}$	1	6	$46\frac{1}{4}$	33
CT-14	$1\frac{1}{2}$	8	$50\frac{1}{2}$	$40\frac{3}{4}$
CT-15	2	12	67	56

Features

- Chain swings from the center and can be used on either side of the jaws, reducing tooth wear.
- Flat link chains are heat-treated for greater strength and reliability.
- Fully adjustable to fit any shape pipe.



CT13



Replacement Parts for Pipe Tongs

Heat Treated

Product Code	Length (Inches)	Loading Capacity	Product Code
CT-12	$18\frac{1}{2}$	13,800	CT-12-1
CT-13	25	17,600	CT-13-1
CT-13 $\frac{1}{2}$	33	20,000	CT-13-1/2-1
CT-14	$40\frac{3}{4}$	22,000	CT-14-1
CT-15	56	31,000	CT-15

Features

- Chain is heat-treated after assembly which results in a 40 % increase in strength as well as an extended chain life and improved performance.
- Jaws are drop forged from carbon steel and heat treated to provide the strength and reliability expected from Williams pipe tools.



CT-13-1





Replacement Clamps for Pipe Tongs

Heat Treated

Product Code	Description	Used
CT-12-4	Set clamp	CT-12-1
CT-13-4	Set clamp	CT-13-1
CT-13-1/2-4	Set clamp	CT-13-1/2-1
CT-14-4	Set clamp	CT-14-1
CT-15-4	Set clamp	CT-15

Features

- Jaws are drop forged from carbon steel and heat treated to provide the strength and reliability expected from Williams pipe tools.



CT-13-4



Pipe Chain Wrench

Heat Treated

Product Code	Pipe Diameter Minimum - Maximum (Pipe Size)	Handle Length (Inches)	Chain Length (Inches)
CW-4	$\frac{3}{8}$ - 4	11	15

Features

- Forged handle is fully heat-treated.
- Ideal for use in close quarters and where space is at a premium.
- Successive "bites" can be taken without removal of wrench from the work piece.
- Fully adjustable to fit any shape pipe.



CW-4



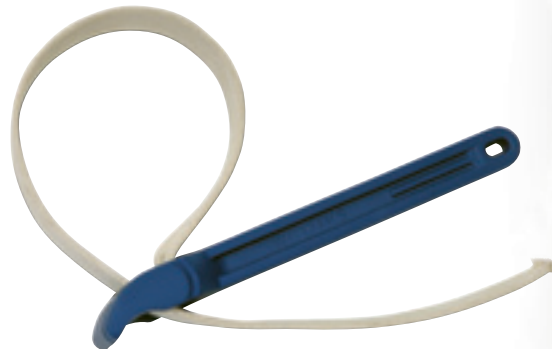
Strap Wrench

Aluminum Handle

Product Code	Handle Length (Inches)	Maximum Diameter (Inches)	Strap Size (Inches)
40221	12	8	1 $\frac{1}{8}$ x 30

Features

- Use on irregularly shaped objects where other wrenches won't work.
- Useful for turning handwheels and other knurled handles.
- Reduces risk of damage on plastic pipe and tubing.



40221



Pipe Chain Wrench

Heat Treated

Product Code	Pipe Diameter Capacity	Handle Length (Inches)	Chain Length (Inches)
40222	4	12	16
40223	5	15	19
40224	6	24	23

Features

- Forged strong I Beam handle.
- Designed for working in confined areas when regular pipe wrenches will not fit, excellent for pipe fittings.
- Portable and lightweight can be used for overhead and underground work.



40223

CLAMPS & PIPE TOOLS

PIPE TOOLS

5/8" Capacity Mini-Tubing Cutter

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43603	Mini-Tubing Cutter	1/8 to 5/8	1 3/4
43613	Replacement Cutter Wheel for 43603 (Pack of 5)		

Features

- Designed for use in tight access areas.
- Enclosed feed screw assures smooth operation by minimizing contamination.
- Corrosion resistant stainless steel rollers produce easier, smoother cuts.



43603

1-1/8" Capacity Tubing Cutter

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43605	1 1/8" Tubing Cutter	1/8 to 1 1/8	5
43611	General Purpose Replacement Cutter Wheel (Pack of 10)		
43615	Optional Cutter Wheel for Stainless Steel (Pack of 5)		

Features

- Enclosed hardened steel thrust-bearing mechanism assures smooth cuts and reliable operation.
- Rugged aluminum alloy body looks good and handles well.
- Foldaway hardened steel reamer removes inside burrs cleanly.
- Includes (2) general-purpose cutter wheels.



43605

2-5/8" Capacity Tubing Cutter

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43607	2 5/8" Tubing Cutter	3/8 to 2 5/8	7 3/4 (Closed)
43617	General Purpose Replacement Cutter Wheel for 43607 (Pack of 5)		
43616	Optional PVC Cutter Wheel for 43607 - Cuts Schedule 40 PVC up to 2" Diameter (Pack of 5)		

Features

- Ratchet feed mechanism speeds up cutting operations while extra-wide rollers stabilize the tubing.
- Light-weight aluminum body.
- Spare cutting wheel included under cap.
- Cuts Schedule 40 PVC pipe up to 2" diameter with optional 43616 cutter wheel.



43607





45° SINGLE Flaring Tool

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43631	45° Single Flaring Tool	$\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, & $\frac{5}{8}$

Features

- For soft copper, aluminum, and brass tubing.
- Forged steel yoke and hardened flaring bar for durability.
- Positive clamping action prevents tube slippage.
- Self-centering yoke with swivel-type, hardened steel, chrome-plated flaring cone forms better flares with less effort.
- Chrome plated to resist rust and corrosion.



43631



45° Double Flaring Tool

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43633	45° Double Flaring Tool	$\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, & $\frac{1}{2}$

Features

- Recommended for Bundy and other annealed soft steel tubing (wall thickness to .035").
- Also makes single or double flares in soft copper and aluminum tubing.
- Small, lightweight, and easy to handle.
- Forged steel yoke and hardened flaring bar for durability.
- Swivel-type, hardened steel, chrome-plated flaring cone forms better flares with less effort.
- Chrome plated to resist rust and corrosion.



43633



Triple-Head Tubing Bender

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43621	Triple-Head Tube Bender	$\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, & $\frac{3}{8}$

Features

- For copper, aluminum, and thin-wall steel tubing.
- Calibrated markings for making accurate left, right, and offset bends.
- 90° start requires less effort, making bending fast and easy.



43621

CLAMPS & PIPE TOOLS

TUBING CUTTERS, FLARING TOOLS



Tight-Grip Pipe Nipple Remover & Installer Kits

Remove and Install Pipe Nipples Without Thread Damage

Product Code	Description
87025	Pipe Nipple Remover / Installer Kit for 1/8", 1/4", and 3/8" NPT Pipe Nipples

Kit Includes:

87035	Stud Remover / Installer Housing
87036	Collet, 1/8" NPT
87037	Collet, 1/4" NPT
87038	Collet, 3/8" NPT

Product Code	Description
87026	Pipe Nipple Remover / Installer Kit for 1/2" and 3/4" NPT Pipe Nipples

Kit Includes:

87039	Stud Remover / Installer Housing
87040	Collet, 1/2" NPT
87041	Collet, 3/4" NPT

Product Code	Description
87027	Pipe Nipple Remover / Installer Kit for 1" and 1-1/4" NPT Pipe Nipples

Kit Includes:

87042	Stud Remover / Installer Housing
87043	Collet, 1" NPT
87044	Collet, 1-1/4" NPT

Features

- Remove pipe nipples and other lengths of pipe without damaging pipe threads.
- Collet is placed in housing and threaded over pipe. Draw bolt is then used to clamp tool onto nipple for secure removal or installation.
- Nipples and other lengths of pipe may be reused.
- Essential when working with decorative brass, bronze, and stainless piping.
- Ideal for working in confined areas where a pipe wrench will not fit.



The Tight-Grip Nipple Tool in use. One wrench holds the housing in place while the other wrench turns the top nut, clamping the collet and housing assembly onto the nipple. The housing, collet, and nipple then turn as one.



87025



87026



87027



Plastic and Rubber Hose Cutter

Compact and Light

Product Code	Description	Replacement Cutting Wheel
43618	Plastic and rubber hose cutter	43619

Features

- Cuts plastic tubing and non-metal reinforced hose.
- Cuts sizes 1/16" to 1/2" and 1mm to 13mm O.D.
- Spring loaded for safety.
- Weighs only one ounce.



43618

