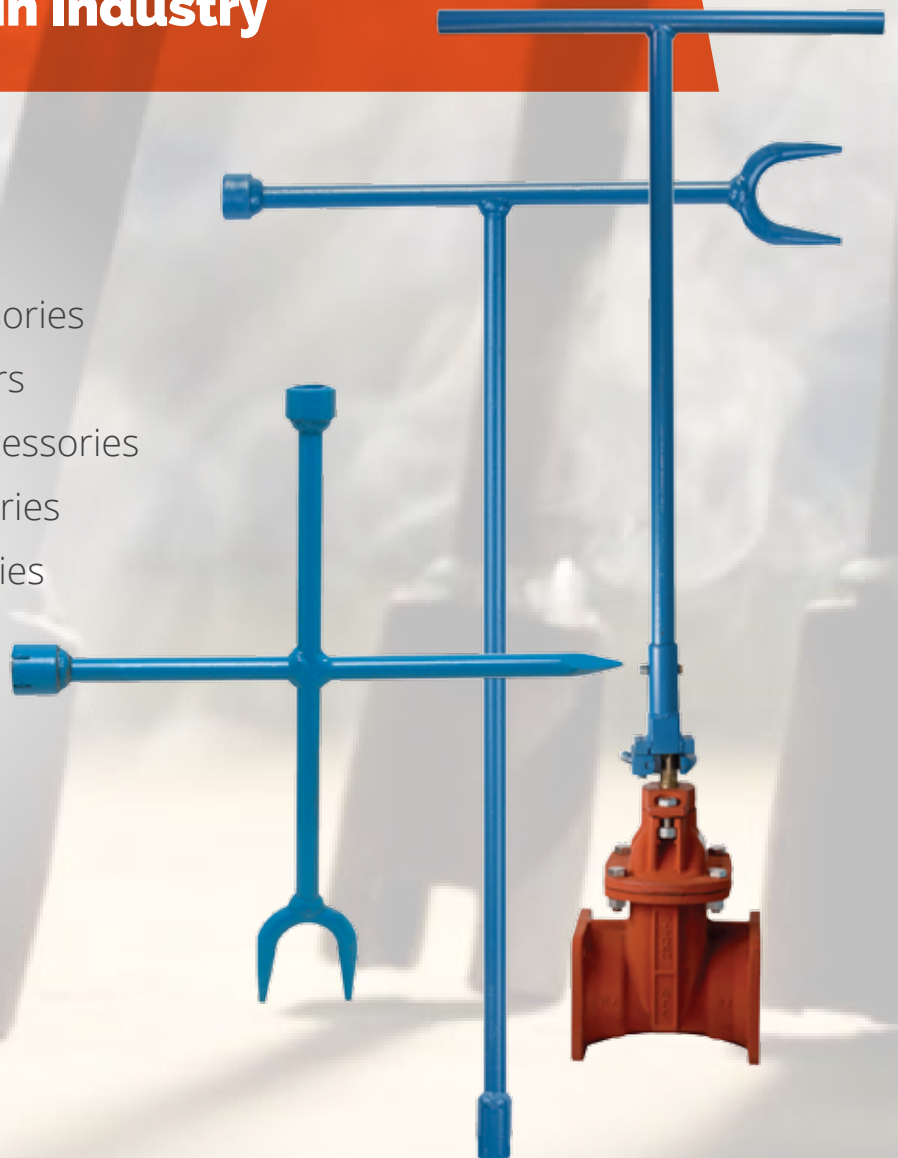




HAND TOOLS

and Specialty Products for the Water, Sewer & Drain Industry

- Service Box Wrenches
- Service Box Accessories
- Combo Wrenches & Accessories
- Service & Valve Box Cleaners
- Gate Valve Wrenches & Accessories
- Gate Valve Tools & Accessories
- Valve Box Tools & Accessories
- Hydrant Markers & Tools
- Waterworks Tools
- Manhole Related Products



About New Concept Tools



Quality Water Products facility in South Barre, Massachusetts, home of New Concept Tools

NEW CONCEPT TOOLS was started by Harry Prescott in 1978 in a small workshop located in the rural town of South Barre, Massachusetts. Harry had been active in the waterworks business beginning at a very young age, following in the footsteps of his father Harry R. Prescott who began the waterworks supply company H.R. Prescott & Sons in West Boylston, Mass in 1914. Harry felt the industry was lacking in good quality hand tools. He started out by making improvements to the design of existing tools so that they would be safer and easier to use. As time went on Harry saw that there was a need for other tools that would make performing everyday tasks easier and more efficient all the while making safety a top priority.

Today, New Concept Tools are still being designed and built by people with decades of experience in various utility fields. All of our products are time-tested and field-tested and will stand up to the toughest jobs. We won't sell a tool or specialty product until we're sure it will perform beyond our customers' expectations. We have been designing and manufacturing tools since 1978.

We are constantly adding new tools to our line and improving established products based on comments we receive from users. Many products are redesigned versions of tools that have been in use for years. We improved the way they work and made them tougher by using heavy-duty materials such as Schedule 80 pipe, solid steel stock or ductile iron instead of lightweight tubular steel or cast iron as many others do. Although our products are made using improved designs and stronger materials, they are competitively priced.

We think you will agree that this is the finest line of waterworks hand tools and specialty products available. WE GUARANTEE OUR PRODUCTS AND YOUR SATISFACTION. All products sold by New Concept Tools are guaranteed to be free from defects in materials and workmanship for a period of one year from date of sale, provided such products are used properly and for their intended purpose.

In this catalog we have more than 200 different products that will help you work more efficiently, reduce your frustration and save you money.

HOW TO ORDER

To place an order please contact your local distributor. To locate the distributor in your area please call NCT at 1-800-288-4668, or visit us at www.newconcepttools.com.

Table of Contents

SERVICE BOX WRENCHES

18" T Handle Service Box Wrench Pent End	6
18" T Handle Service Box Wrench 2-Hole End	6
18" T Handle Service Box Wrench Rod End	7
18" T Handle Service Box Wrench Curb End	7
Rod x Pent x 2-Hole on Handle	8
Rod x Pent x 2-Hole on Handle w/Debris Cleaner	8
Rod x Pent SB Wrench with Extended Shaft	9
Rod x 2-Hole SB Wrench with Extended Shaft	9
Curb x Pent SB Wrench with Extended Shaft	10
18" T-Handle SB Wrench Pent with Curb Kicker	10
Rod x Pent Slide Handle Service Box Wrenches	11
Curb x Pent Slide Handle Service Box Wrenches	11
Rod x 2-Hole Slide Handle Service Box Wrenches	12
Point x Chisel Combo Key with Slotted Pent	12
Telescopic Curb Wrench	13

SERVICE BOX ACCESSORIES

16" Service Box Cross Wrench	14
Service Box Wrench Ends	14
2½" Service Box Adjusting Tool, Screw Type	14
Centering Rod Adapter for 2½" Service Box	16
Telescoping Top Riser for 2½" Service Box	16
Service Box Extensions	17
High Security Service Box Extractor	18
High Security Service Box Locking Device	18

COMBO WRENCHES

Combination Valve & Curb Key Set	20
All-In-One Combo Key	21

BOX CLEANERS

Heavy Duty Service and Valve Box Cleaners	23
Valve & Service Box Cleaner Spoons	23
Valve & Service Box Cleaner Drawings	24
1" Service Box Cleaning Auger	25
2½" Service Box Cleaning Auger	25

GATE VALVE WRENCHES

Ratchet Gate Wrench (Aluminum or Steel)	27
Ratchet Gate Handle (Aluminum or Steel)	27
Aluminum Ratchet Gate Handle Drawing	28
Steel Ratchet Gate Handle Drawing	28
Straight Handle Telescopic Gate Wrenches	29
Folding Handle Telescopic Gate Wrenches	29
Standard Gate Wrenches	30
Gate Wrench Extension Stems	30
Gate Stem Extension Bottom and Top Nut	31
Gate Wrench End (only)	31
Open Direction Plate	31

GATE VALVE TOOLS

Broken Nut Valve Wrench	33
Rounded Nut Grabber (R.N.G.)	34
2" Socket Ratchet Wrench	35
Box Seat	36
Handwheel For 2" Square Operating Nut	36

Adjustable Stem Guide	37
Valve Setter	37

VALVE BOX TOOLS

Valve Box Top Lifter	39
Valve Box Cover Die Bar	39
22" Valve Box Cover Tongs	39

HYDRANT MARKERS & TOOLS

Galvanized Spring Flags with Reflective Bands	41
4" x 5" Replacement Flag	41
Safety Orange Hydrant Marker	42
Universal Flag Kit	42
Hydrant Setter	43
"Out of Service" Fire Hydrant Sign	43
16" Adjustable Hydrant Wrench	44
Hydrant Tags	44
14" Hydrant Tag Crimping Tool	44

WATERWORKS TOOLS

¾"-1" Service Line Puller Kit	46
1¼"-2" Service Line Puller Kit	47
¾"-1" Service Line Puller Kit Instructions	48
¾"-1" Service Line Puller Kit Diagram	48
1¼"-2" Service Line Puller Kit Diagram	48
Deep Well Sockets with ½" Drive	49
6-pc Screwdriver Set	49
Blackhawk Proto® 118-Piece Tool Set	50
Armstrong ½" Drive Adjustable Torque Wrench	50
2-pc Capped End Screwdriver Pry Bar Set	51
Combo Flare & Rerounding Tool	51
3-pc Line-Up Pry Bar Set	52
3-pc Rolling Head Pry Bar Set	52
12" Rolling Head Pry Bar	52
Cast Iron Pipe Bursting Wedge	53
NPT Corporation Cleaners	53
Meter Box Wrench	54
Hand Pentagon Wrench	54
Corporation E-Z Out	54
No. 1 & 2 Meter Lid Wrenches	55
5 ft. Tamping Bar	56
Pipe Cleaner/Descaler	56
48" Fiberglass Tile Probe	57
48" Steel Tile Probe	57

MANHOLE RELATED PRODUCTS

Loop Handle MH Cover Hooks	59
Chisel & Hammer Handle MH Cover Hooks	59
Manhole/Catch Basin Setter Sling	60
Catch Basin Grate Sling	60
Precast Concrete Manhole Barrel Sling	61

Alphabetical Index	62-64
Terms & Conditions	65
Quality Water Products	66-67
Pipe O.D. Chart	68
Poster	Insert

Tool Safety

Some basic tips when using hand tools

- Always provide training on how to choose the right tool for the job, how to correctly use each tool, and how to identify when tools need repair.
- Select the right tool for the job. Substitutes increase the chance of having an accident.
- Use tools designed to allow wrist to stay straight. Avoid using hand tools with your wrist bent.
- Ensure that employees are properly trained in the safe use of hand tools.
- Use good quality tools.
- Keep tools in good condition at all times.
- Inspect tools for defects before use. Replace or repair defective tools.
- Keep cutting tools sharp and cover sharp edges with suitable covering to protect the tool and to prevent injuries from unintended contact.
- Replace cracked, splintered, or broken handles on files, hammers, screwdrivers, or sledges.
- Ensure that the handles of tools like hammers and axes fit tightly into the head of the tool.
- Replace worn jaws on wrenches, pipe tools and pliers.
- Redress burred or mushroomed heads of striking tools.
- Pull on a wrench or pliers. Never push unless you hold the tool with your palm open.
- Point sharp tools (e.g., saws, chisels, knives) laying on benches away from aisles and handles should not extend over the edge of the bench top.
- Maintain tools carefully. Keep them clean and dry. Store them properly after each use.
- Carry tools in a sturdy tool box to and from the worksite.
- Wear safety glasses, goggles, or face shield, and well-fitting gloves appropriate for the hazards to which you may be exposed when doing various tasks.
- Keep the work environment clean and tidy to avoid clutter which may cause accidents.
- Use a heavy belt or apron and hang tools at your sides, not behind your back.



What should I avoid when using hand tools?

- Do not use tools for jobs they are not intended to do. For example, do not use a slot screw driver as a chisel, pry bar, wedge or punch or wrenches as hammers.
- Do not apply excessive force or pressure on tools.
- Do not cut towards yourself when using cutting tools.
- Do not hold the stock in the palm of your hand when using a cutting tool or a screwdriver.
- Do not wear bulky gloves to operate hand tools.
- Do not throw tools. Hand them, handle first, directly to other workers.
- Do not carry tools in a way that interferes with using both hands on a ladder, while climbing on a structure, or when doing any hazardous work. If working on a ladder or scaffold, tools should be raised and lowered using a bucket and hand line.
- Do not carry a sharp tool in your pocket.

General Safety Precautions

Employees who use hand and power tools and who are exposed to the hazards of falling, flying, abrasive and splashing objects, or exposed to harmful dusts, fumes, mists, vapors, or gases must be provided with the particular personal equipment necessary to protect them from the hazard. All hazards involved in the use of hand and power tools can be prevented by following five basic safety rules:

- Keep all tools in good condition with regular maintenance.
- Use the right tool for the job.
- Examine each tool for damage before use.
- Operate according to the manufacturer's instructions.
- Provide and use the proper protective equipment.



SERVICE BOX WRENCHES & ACCESSORIES

Wrenches
Accessories



SERVICE BOX WRENCHES & ACCESSORIES

18" T Handle Service Box Wrenches

Pent End

This wrench is used to remove the plug from plug-type service box covers.



Pent End

2-Hole End

This wrench is used to remove 2-hole service box covers.



2-Hole End

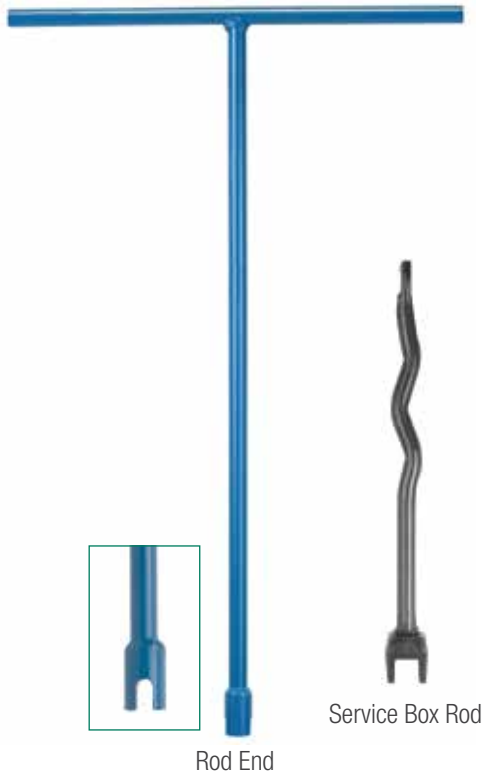
PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
18" T Handle Pent End Service Box Wrench	2 ft.	5 lbs.	63188 3
18" T Handle Pent End Service Box Wrench	3 ft.	6 lbs.	63189
18" T Handle Pent End Service Box Wrench	4 ft.	7 lbs.	63196
18" T Handle Pent End Service Box Wrench	5 ft.	8 lbs.	63200 2
18" T Handle Pent End Service Box Wrench	6 ft.	10 lbs.	63203
18" T Handle 2-Hole End Service Box Wrench	2 ft.	6 lbs.	63188 6
18" T Handle 2-Hole End Service Box Wrench	3 ft.	6 lbs.	63189 6
18" T Handle 2-Hole End Service Box Wrench	4 ft.	8 lbs.	63197 1

SERVICE BOX WRENCHES & ACCESSORIES

18" T Handle Service Box Wrenches

Rod End

This wrench fits the service box rod and is used to open or close the service valve.

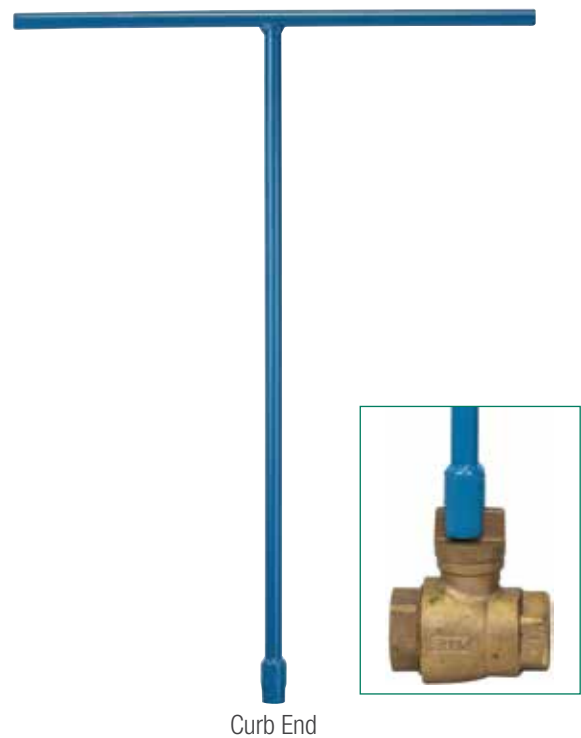


Rod End

Service Box Rod

Curb End

This wrench fits on the T-head of the service valve for opening and closing operations. Designed to work with 1¼" & 2½" Buffalo style service boxes.



Curb End

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
18" T Handle Rod End Service Box Wrench	3 ft.	6 lbs.	63189 5
18" T Handle Rod End Service Box Wrench	4 ft.	7 lbs.	63197
18" T Handle Rod End Service Box Wrench	5 ft.	8 lbs.	63202 1
18" T Handle Rod End Service Box Wrench	6 ft.	10 lbs.	63203 3
18" T Handle Rod End Service Box Wrench	7 ft.	12 lbs.	63204 4
18" T Handle Rod End Service Box Wrench	8 ft.	14 lbs.	63205
18" T Handle Curb End Service Box Wrench	4 ft.	8 lbs.	63197 2
18" T Handle Curb End Service Box Wrench	5 ft.	9 lbs.	63200 1
18" T Handle Curb End Service Box Wrench	6 ft.	11 lbs.	63203 2
18" T Handle Curb End Service Box Wrench	7 ft.	12 lbs.	63204 3
18" T Handle Curb End Service Box Wrench	8 ft.	14 lbs.	63205 6
18" T Handle Curb End Service Box Wrench	10 ft.	16 lbs.	63205 2
18" T Handle Curb End Service Box Wrench	12 ft.	19 lbs.	63205 3

SERVICE BOX WRENCHES & ACCESSORIES

Rod End SBWs with Pent x 2-Hole on Handle

Rod x Pent x 2-Hole on Handle

This wrench has a rod end on the shaft for opening and closing the service valve and a pent end and 2-hole end on handle for removing either plug-type or 2-hole service box covers.

Rod x Pent x 2-Hole on Handle w/Debris Cleaner

This wrench has a rod end on the shaft for opening and closing the service valve. The handle has a pent end and 2-hole end for removing either type of service box covers plus a debris cleaner to clean around the plug on plug-type service box covers.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Rod x Pent x 2-Hole on Handle Service Box Wrench	2 ft.	7 lbs.	63188 1
Rod x Pent x 2-Hole on Handle Service Box Wrench	3 ft.	8 lbs.	63190
Rod x Pent x 2-Hole on Handle Service Box Wrench	4 ft.	9 lbs.	63193
Rod x Pent x 2-Hole on Handle Service Box Wrench	5 ft.	11 lbs.	63202 2
Rod x Pent x 2-Hole on Handle Service Box Wrench	6 ft.	14 lbs.	63203 1
Rod x Pent x 2-Hole on Handle Service Box Wrench	7 ft.	17 lbs.	63204 1
Rod x Pent x 2-Hole on Handle Service Box Wrench	8 ft.	21 lbs.	63205 1
Rod x Pent x 2-Hole on Handle w/Debris Cleaner Service Box Wrench	4 ft.	11 lbs.	63194 1
Rod x Pent x 2-Hole on Handle w/Debris Cleaner Service Box Wrench	5 ft.	14 lbs.	63199
Rod x Pent x 2-Hole on Handle w/Debris Cleaner Service Box Wrench	6 ft.	17 lbs.	63203 7

SERVICE BOX WRENCHES & ACCESSORIES

SBWs with Extended Shaft

Rod x Pent with Extended Shaft

One end of this wrench fits the service box rod and is used to open or close the service valve. The other end is used to remove the plug from plug-type service box covers.



Rod End



Service Box Rod



Rod x 2-Hole with Extended Shaft

One end of this wrench fits the service box rod and is used to open or close the service valve. The other end is used to remove 2-hole service box covers.



Rod End

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Rod x Pent with Extended Shaft	4 ft.	11 lbs.	63193 2
Rod x Pent with Extended Shaft	5 ft.	14 lbs.	63202 3
Rod x Pent with Extended Shaft	6 ft.	17 lbs.	63203 4
Rod x 2-Hole with Extended Shaft	4 ft.	11 lbs.	63193 2H
Rod x 2-Hole with Extended Shaft	5 ft.	14 lbs.	63202 3H
Rod x 2-Hole with Extended Shaft	6 ft.	17 lbs.	63203 4H

SERVICE BOX WRENCHES & ACCESSORIES

SBWs with Extended Shaft

Curb x Pent with Extended Shaft

One end of this wrench has a curb end and is used to open or close the valve without a rod. The other end is used to remove the plug from plug-type service box covers. Designed to work with 1¼" & 2½" Buffalo style service boxes.



18" T-Handle Pent with Curb Kicker

This handy wrench has a sliding cover lock which eliminates the common problem in plug-style service box covers; the cover un-screws while attempting to remove a stubborn pent plug. The slotted curb kicker holds the cover in place while the pent nut is unscrewed. This ruggedly built wrench comes in 3 ft. and 4 ft. lengths. Other lengths can be ordered.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Curb x Pent with Extended Shaft Service Box Wrench	4 ft.	11 lbs.	63193 2C
Curb x Pent with Extended Shaft Service Box Wrench	5 ft.	14 lbs.	63202 3C
Curb x Pent with Extended Shaft Service Box Wrench	6 ft.	17 lbs.	63203 4C
18" T-Handle Pent with Curb Kicker Service Box Wrench	3 ft.	14 lbs.	63189 CK
18" T-Handle Pent with Curb Kicker Service Box Wrench	4 ft.	16 lbs.	63196 CK

SERVICE BOX WRENCHES & ACCESSORIES

Slide Handle Service Box Wrenches

Rod x Pent

The Slide Handle makes this wrench more versatile than one-piece wrenches where the handle is fixed on one end or the other. The Rod end fits the service box rod and is used to open or close the service valve. The Pent end is used to remove the plug from plug-type service box covers.



Curb x Pent

The Slide Handle makes this wrench more versatile than one-piece wrenches where the handle is fixed on one end or the other. The Rod end fits the service box rod and is used to open or close the service valve. The Curb end opens or closes the service valve without the use of a rod. Designed to work with 1¼" & 2½" Buffalo style service boxes.



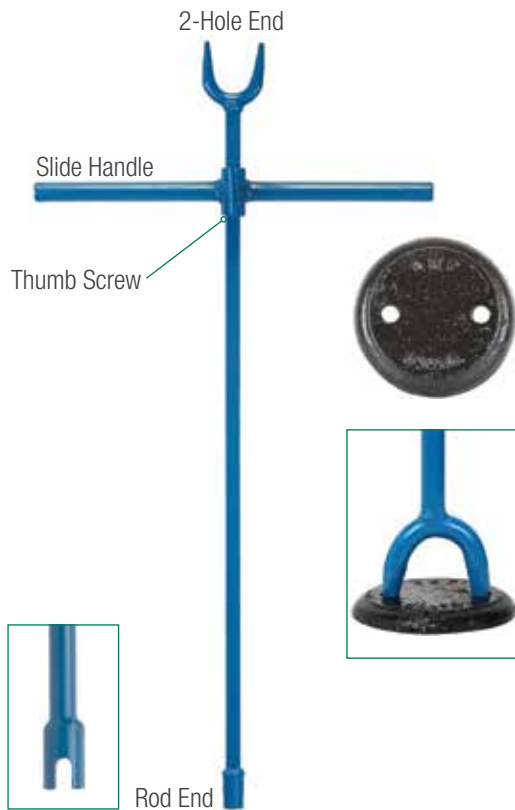
PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Rod x Pent Slide Handle Service Box Wrench	4 ft.	10 lbs.	63192
Rod x Pent Slide Handle Service Box Wrench	5 ft.	11 lbs.	63200
Rod x Pent Slide Handle Service Box Wrench	6 ft.	12 lbs.	63195
Rod x Pent Slide Handle Service Box Wrench	7 ft.	13 lbs.	63204 2
Curb x Pent Slide Handle Service Box Wrench	6 ft.	17 lbs.	63203 5
Curb x Pent Slide Handle Service Box Wrench	7 ft.	22 lbs.	63204 6
Curb x Pent Slide Handle Service Box Wrench	8 ft.	24 lbs.	63204 9

SERVICE BOX WRENCHES & ACCESSORIES

Slide Handle & Miscellaneous SBWs

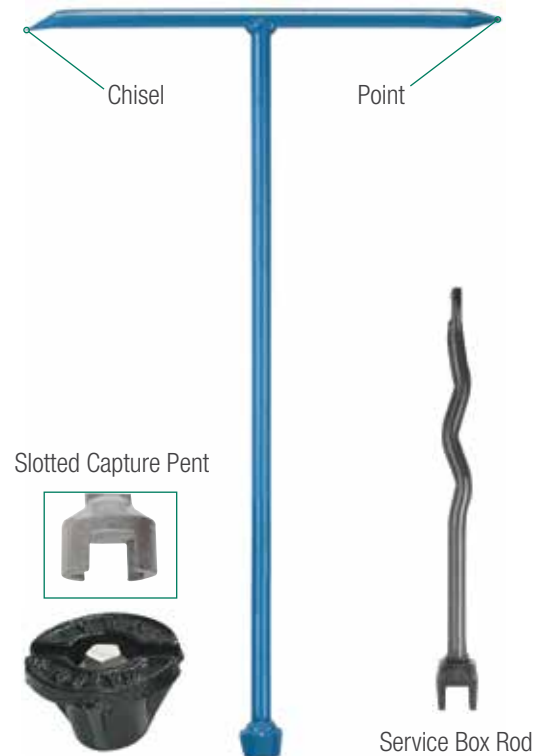
Rod x 2-Hole

The Slide Handle makes this wrench more versatile than one-piece wrenches where the handle is fixed on one end or the other. The Rod end fits the service box rod and is used to open or close the service valve. The 2-hole end is used to remove 2-hole service box covers.



Point x Chisel Combo Key with Slotted Pent

This combination wrench has a slotted pentagon nut on the shaft, which gives it the ability to remove the pent nut from plug-style covers and to turn the service box rod to open or close the service valve. The handle has a pick point on one end and a chisel end on the other for removing debris and for prying.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Rod x 2-Hole Slide Handle Service Box Wrench	17 in.	2.5 lbs.	63204 8
Rod x 2-Hole Slide Handle Service Box Wrench	4 ft.	4 lbs.	63198
Rod x 2-Hole Slide Handle Service Box Wrench	5 ft.	5 lbs.	63200 4
Rod x 2-Hole Slide Handle Service Box Wrench	6 ft.	6 lbs.	63201
Rod x 2-Hole Slide Handle Service Box Wrench	7 ft.	7 lbs.	63204 5
Rod x 2-Hole Slide Handle Service Box Wrench	18 in.	5 lbs.	63212 3
Rod x 2-Hole Slide Handle Service Box Wrench	24 in.	6 lbs.	63212 4
Rod x 2-Hole Slide Handle Service Box Wrench	36 in.	8 lbs.	63212 5
Rod x 2-Hole Slide Handle Service Box Wrench	48 in.	11 lbs.	63212 6

SERVICE BOX WRENCHES & ACCESSORIES

Telescopic Curb Wrench

Telescopic Curb Wrench

This wrench is designed for Buffalo style service boxes. The curb end fits on the T-head of the service valve. There are 2 adjustable lengths available; 4' to 8' and 6' to 10'.



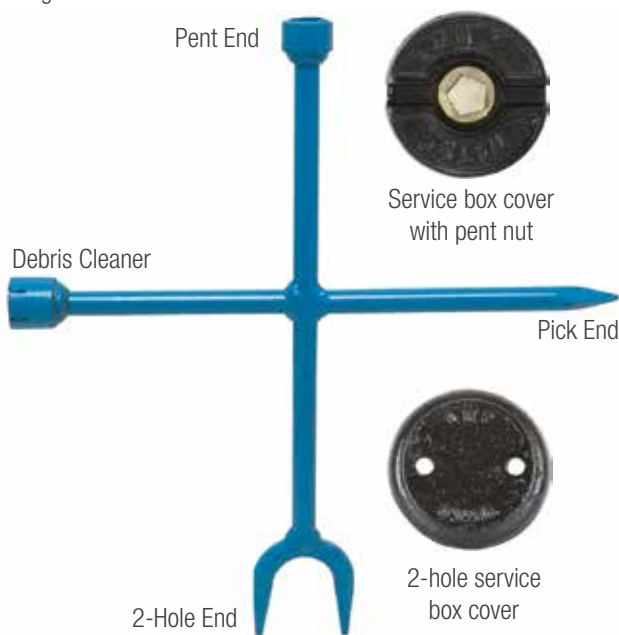
PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Telescopic Curb Wrench	4-8 ft.	14 lbs.	63203 6
Telescopic Curb Wrench	6-10 ft.	17 lbs.	63203 8

SERVICE BOX WRENCHES & ACCESSORIES

Service Box Wrenches

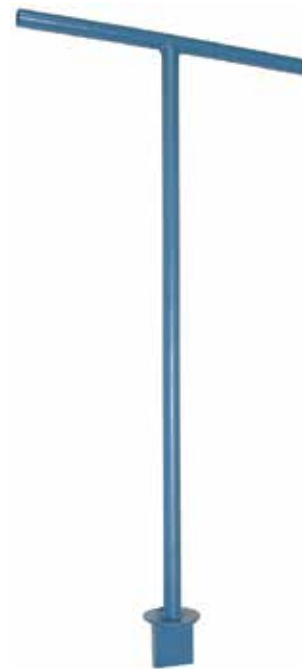
16" Service Box Cross Wrench

This handy, all-purpose wrench is made like an automotive lug style wrench, for ease of use. It has a pentagon end and a 2-hole end for each style service box cover. It has a pick end for prying and a debris cleaner for removing dirt or ice from around the pentagon nut.

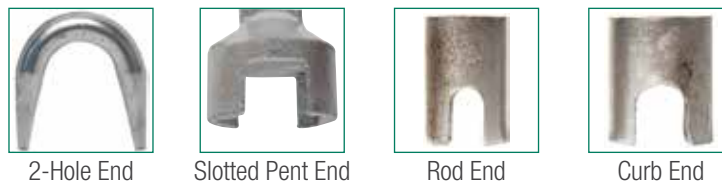


2½" Service Box Adjusting Tool, Screw Type

This 4 foot long wrench is used to adjust the length of 2½" Buffalo Style service boxes. Simply put wrench end into service box opening, and turn.



Service Box Wrench Ends



PRODUCT DESCRIPTION	WT.	PART NO.
16" Service Box Cross Wrench	4 lbs.	63188 7
2½" Service Box Adjusting Tool, Screw Type	21 lbs.	63206
2-Hole Service Box Wrench End	< 1 lb.	63210
Slotted Pent Service Box Wrench End	< 1 lb.	63204
Rod Service Box Wrench End	< 1 lb.	63207 3
Curb Service Box Wrench End	< 1 lb.	63207 15



SERVICE BOX ACCESSORIES

Rods & Risers
Extensions
Tools



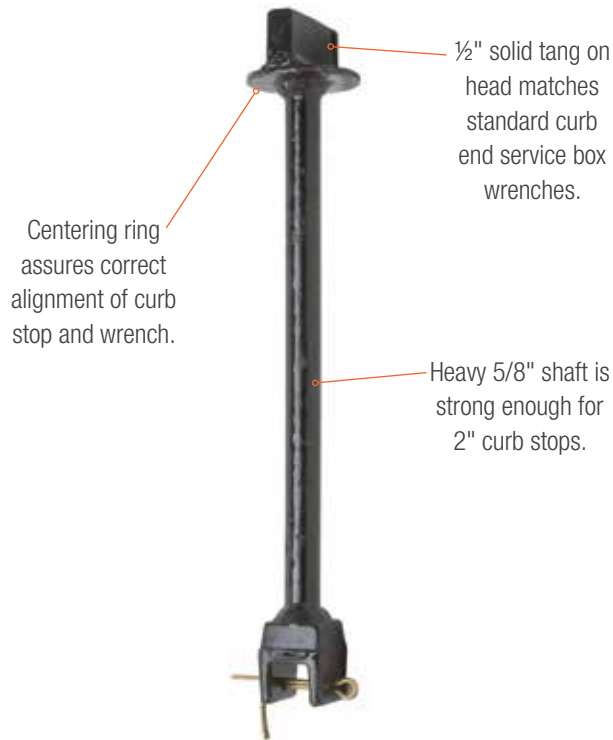
SERVICE BOX ACCESSORIES

Rods & Risers

Centering Rod Adapter for 2½" Service Box

The 2½" Centering Rod Adapter is self-centering, assuring correct alignment of the curb stop, service box rod and curb box wrench in Buffalo Style service boxes.

The Centering Rod Adapter fits all curb stops. The 5/8" shaft is heavier than most service box rods making it strong enough to be used with 2" curb stops.



Telescoping Top Riser for 2½" Service Box

- Fits existing slide or screw type boxes by simply breaking off the pentagon bolt-tab.
- Has an adjustment height of 1" (minimum) to 12" or 24" (maximum).
- The top of the riser is offset to prevent it from turning while the pentagon stud is removed.
- Cover with standard pentagon head bolt is furnished.
- Furnished with Dirt Shield.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Centering Rod Adapter for 2½" Service Box	6 in.	2 lbs.	45349 2
Centering Rod Adapter for 2½" Service Box	12 in.*	2 lbs.	45349 1
Centering Rod Adapter for 2½" Service Box	24 in.	5 lbs.	45349 3
Centering Rod Adapter for 2½" Service Box	36 in.	9 lbs.	45349 4
Centering Rod Adapter for 2½" Service Box	48 in.	14 lbs.	45350
Centering Rod Guide (not shown)	—	1 lb.	45349
Telescoping Top Riser for 2½" Service Box	12 in.	8 lbs.	45345
Telescoping Top Riser for 2½" Service Box	24 in.	15 lbs.	45345 3
Dirt Shield (only)	—	< 1 lb.	45345 1

* Stock size, zinc plated

SERVICE BOX ACCESSORIES

Service Box Extensions

Service Box Extensions

Our service box extensions are made from Schedule 40 pipe and are used to increase the height of an existing service box or to accommodate greater depth in a new installation. The service box extension is installed by removing the existing cover and sliding the extension over the top of the box pipe. The extension is adjusted to the desired height and the set screw(s) are tightened to lock it in place before replacing the cover. Extensions are made in lengths from 3" to 24".



5/16" hardened, square head, cup point set screws for extra holding power and adjustability

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
1" Service Box Extension with 1 Set Screw	3 in.	1 lbs	45594
1" Service Box Extension with 1 Set Screw	6 in.	1 lbs	45595
1" Service Box Extension with 1 Set Screw	9 in.	2 lbs.	45597
1" Service Box Extension with 1 Set Screw	12 in.	3 lbs.	45600
1" Service Box Extension with 1 Set Screw	18 in.	4 lbs.	45605
1" Service Box Extension with 1 Set Screw	24 in.	8 lb.	45610
1" Service Box Extension with 2 Set Screws	3 in.	1 lbs	45594 2
1" Service Box Extension with 2 Set Screws	6 in.	1 lbs	45595 2
1" Service Box Extension with 2 Set Screws	9 in.	2 lbs.	45597 2
1" Service Box Extension with 2 Set Screws	12 in.	3 lbs.	45600 2
1" Service Box Extension with 2 Set Screws	18 in.	4 lbs.	45605 2
1" Service Box Extension with 2 Set Screws	24 in.	8 lb.	45610 2
1" Service Box Extension with 3 Set Screws	3 in.	1 lbs	45594 3
1" Service Box Extension with 3 Set Screws	6 in.	1 lbs	45595 3
1" Service Box Extension with 3 Set Screws	9 in.	2 lbs.	45597 3
1" Service Box Extension with 3 Set Screws	12 in.	3 lbs.	45600 3
1" Service Box Extension with 3 Set Screws	18 in.	4 lbs.	45605 3
1" Service Box Extension with 3 Set Screws	24 in.	8 lb.	45610 3
1¼" Service Box Extension with 2 Set Screws	3 in.	1 lbs	45620
1¼" Service Box Extension with 2 Set Screws	6 in.	1 lbs	45620 1
1¼" Service Box Extension with 2 Set Screws	9 in.	2 lbs.	45620 2
1¼" Service Box Extension with 2 Set Screws	12 in.	3 lbs.	45620 3
1¼" Service Box Extension with 2 Set Screws	18 in.	4 lbs.	45620 4
1¼" Service Box Extension with 2 Set Screws	24 in.	8 lb.	45620 5

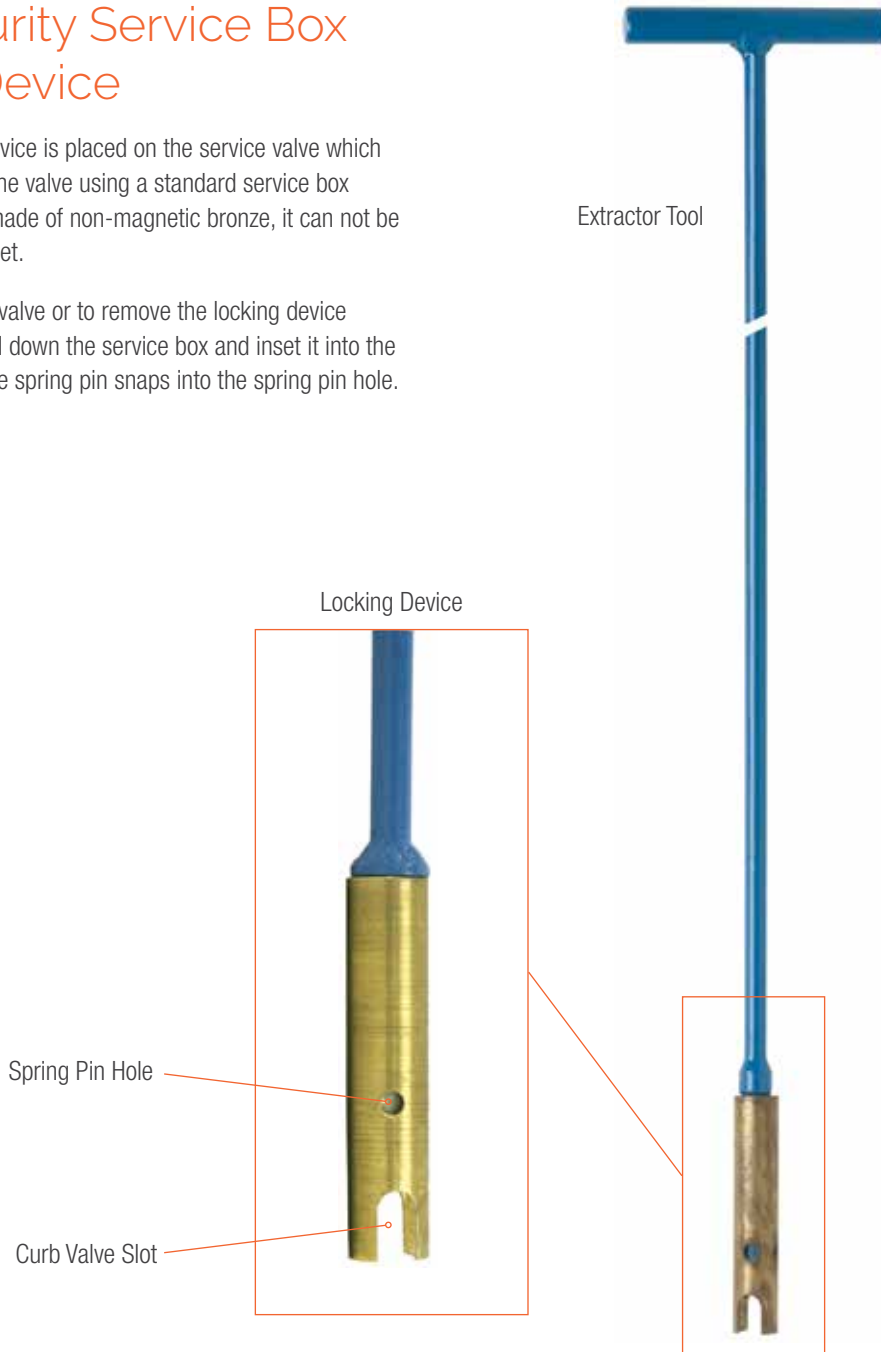
SERVICE BOX ACCESSORIES

Service Box Tools

High Security Service Box Locking Device

The bronze Locking Device is placed on the service valve which prevents operation of the valve using a standard service box wrench. Because it's made of non-magnetic bronze, it can not be removed using a magnet.

To operate the service valve or to remove the locking device place the Extractor Tool down the service box and inset it into the Locking Device until the spring pin snaps into the spring pin hole.



PRODUCT DESCRIPTION	WT.	PART NO.
Service Box Locking Device	1 lb.	63278
Service Box Locking Device Extractor	2 lbs.	63278 1



COMBO WRENCHES & ACCESSORIES

Combination Valve
& Curb Key Set
All-In-One Combo Key



COMBO WRENCHES & ACCESSORIES

Combination Valve & Curb Key Set

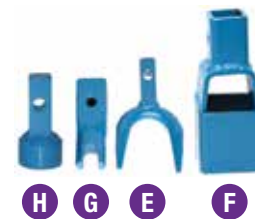
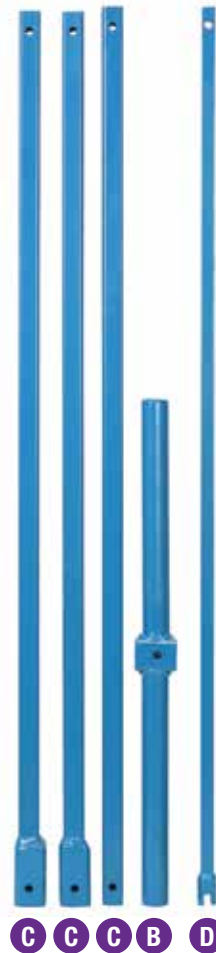
Combination Valve & Curb Key Set

The Combination Valve & Curb Key Set takes the place of several waterworks wrenches. All components are stored in the heavy duty canvas bag which is rolled up and stored in your vehicle. You'll always have the right wrench available to operate any service or gate valve.

Consists of:

- A** 1-Carrying bag
- B** 1-2' Handle w/debris cleaner
- C** 3-3' Extension shafts
- D** 1-3' Rod end shafts
- E** 1-2 Hole end
- F** 1-Gate wrench end
- G** 1-Curb end ¾"-2"
- H** 1-Pent End
- I** 5-Push pins

Carrying bag has extra compartments for other small tools.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Combination Valve & Curb Key Set	42 in.	30 lbs.	63212

COMBO WRENCHES & ACCESSORIES

All-In-One Combo Key

The Swiss Army Knife of the Waterworks Industry

The Combo Key set combines six (6) waterworks service and valve box keys and wrenches into one lightweight assembly (approx. 23 lbs.). Its compact design makes it easy to store. The gate valve wrench and curb box key utilize a 4 ft. to 7 ft. telescoping shaft. All components slide together and lock in place with locking pins.



Consists of:

- 1 1/4" x 41" main shaft
- 1" x 40" extension shaft
- 1" x 22" handle
- 5/8" x 37" rod end shaft
- Pentagon end (attached to main shaft)
- 2-Hole cover end
- 2" Gate valve end with 2-way swivel
- Curb end
- Adjustable hydrant wrench end
- 5 push pins



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
All-In-One Combo Key	4 ft - 7 ft	23 lbs.	63212 2



HEAVY DUTY SERVICE & VALVE BOX CLEANERS

Heavy Duty Service &
Valve Box Cleaners
Cleaner Spoons
Cleaning Augers

SERVICE & VALVE BOX CLEANERS

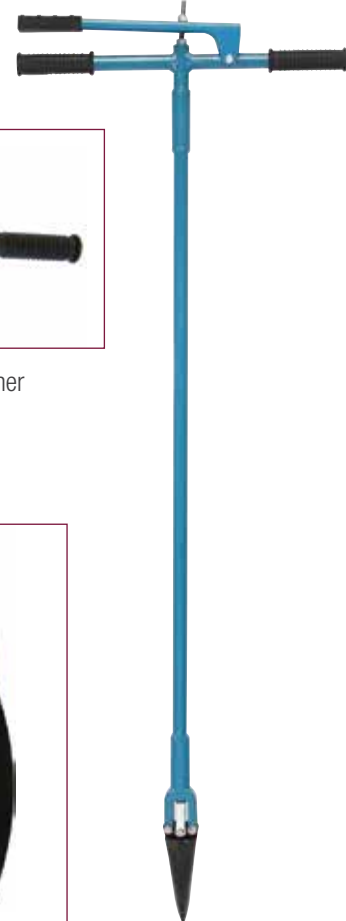
Heavy Duty Service & Valve Box Cleaners

Heavy Duty Service & Valve Box Cleaners

- Twice the holding power of competitors' cleaners
- Powder coated for corrosion resistance
- Rubber coated handles for better grip
- Interchangeable spoons
- All welded construction



Valve and Service Box Cleaner Handle Assembly



Valve & Service Box Cleaner Spoons



Standard Cleaner Spoon



Valve Box Clam Spoon



Retrieving Spoon Needle Nose Grip



Retrieving Spoon Shark Grip

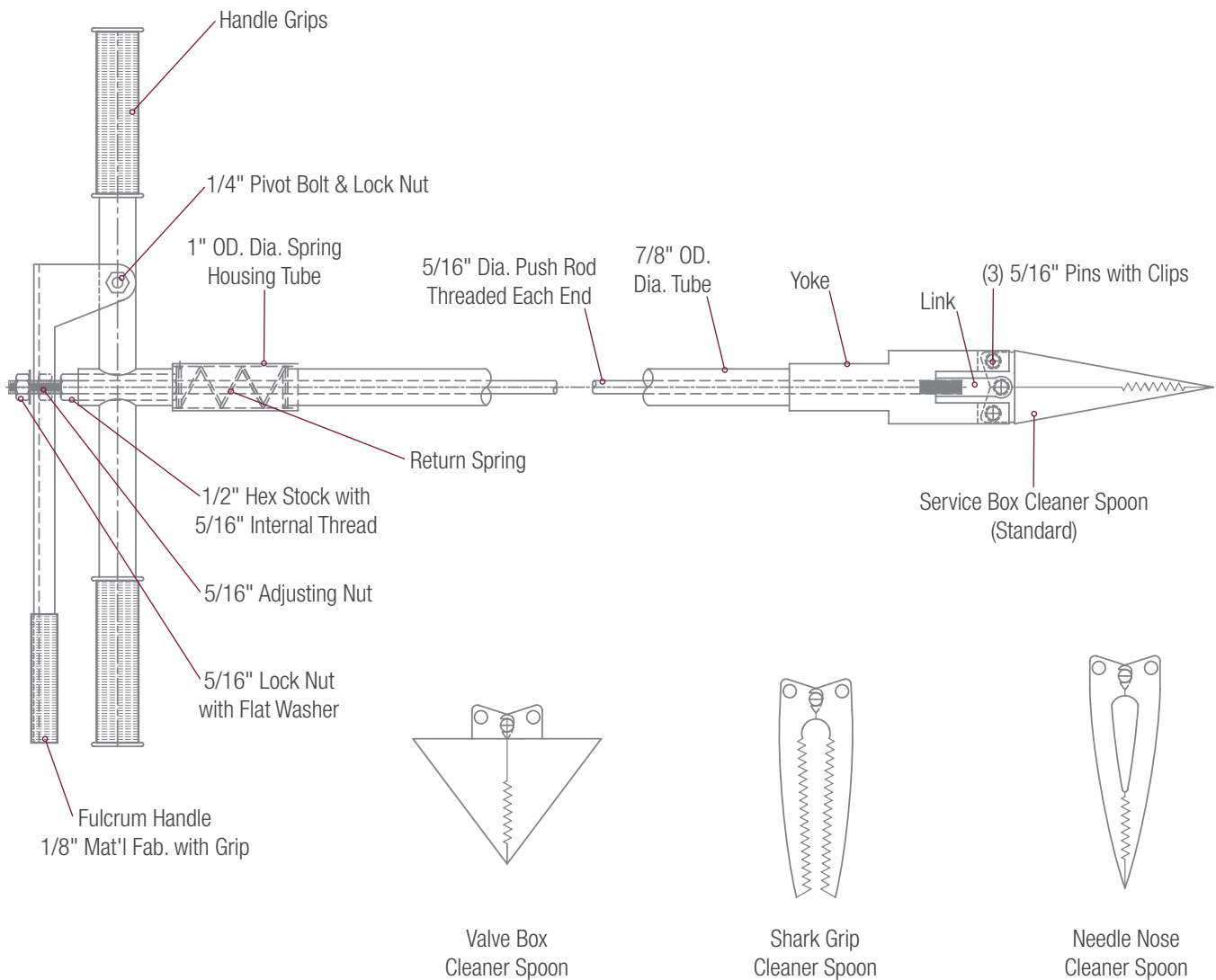
PRODUCT DESCRIPTION	WT.	PART NO.
Cleaner Handle Assembly	3 lbs	05922A
Std Valve & SB Spoon	2 lbs	63315 3SB
Std Spoons w/Yoke & Pins	2 lbs.	63315 3VB
4½" VB Clam Spoon	2 lbs.	63322 CS
Needle Nose Spoon	2 lbs.	63315 3C
Shark Grip Spoon	2 lbs.	63315 3B

PRODUCT DESCRIPTION	LENGTH	WT.	STD NO.	CLAM NO.
Service & Valve Box Cleaner	6 ft.	13 lbs	63315SB	63318 1CS
Service & Valve Box Cleaner	7 ft.	14 lbs	63315 1SB	63316 1CS
Service & Valve Box Cleaner	8 ft.	15 lbs.	63315 2SB	63317 1CS
Service & Valve Box Cleaner	10 ft.	18 lbs.	63315 10SB	63317 5CS
Service & Valve Box Cleaner	12 ft.	25 lbs.	63315 12SB	63317 6CS

COMBO WRENCHES & ACCESSORIES

Heavy Duty Service & Valve Box Cleaners

Interchangeable Cleaning Spoons



SERVICE & VALVE BOX CLEANERS

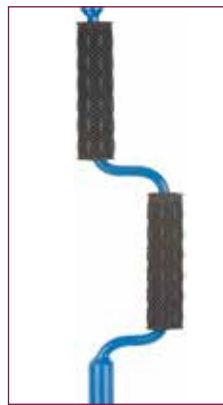
Cleaning Augers

1" Service Box
Cleaning Auger*

2½" Service Box
Cleaning Auger*



Now supplied with rotational
rubber handle grips!



How to Use

- Place the auger in the service box and rotate.
- The rotation of the auger will bring dirt and debris to the top of the box where it will fall out on to the ground.

*Also available in telescoping design to meet specific depths.

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
1" Service Box Cleaning Auger	4 ft.	6 lbs.	63313 01
1" Service Box Cleaning Auger	5 ft.	6 lbs.	63313 02
1" Service Box Cleaning Auger	6 ft.	7 lbs.	63313
1" Service Box Cleaning Auger	7 ft.	9 lbs.	63313 04
2½" Service Box Cleaning Auger	4 ft.	7 lbs.	63314 1
2½" Service Box Cleaning Auger	5 ft.	7 lbs.	63314 3
2½" Service Box Cleaning Auger	6 ft.	8 lbs.	63314 5
2½" Service Box Cleaning Auger	7 ft.	11 lbs.	63314 7



GATE VALVE WRENCHES & ACCESSORIES

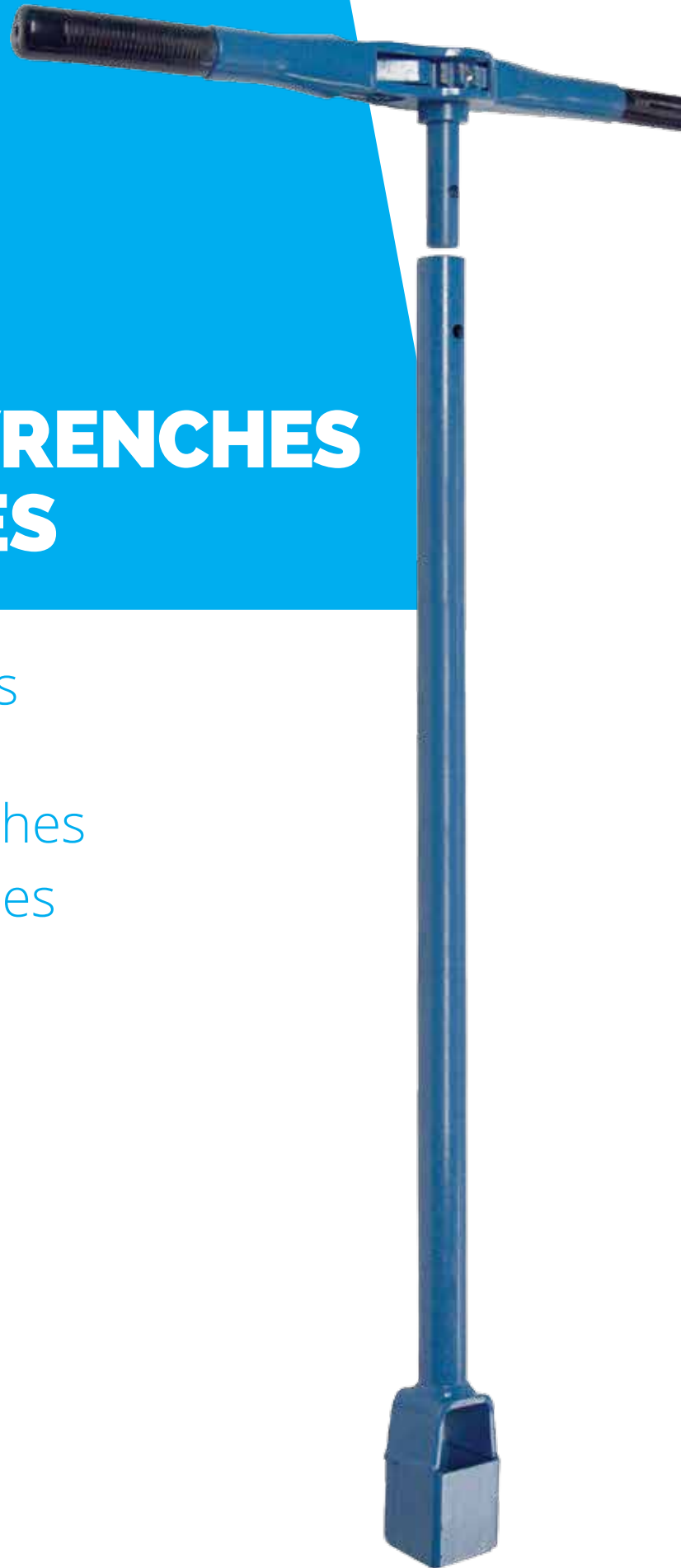
Ratchet Gate Wrenches
and Handles

Telescopic Gate Wrenches

Standard Gate Wrenches

Extension Stems

Accessories



GATE VALVE WRENCHES & ACCESSORIES

Ratchet Gate Wrench or Handle (Only)

Ratchet Gate Handle

The new Ratchet Gate Wrench Handle makes operating a gate valve much easier. No more pushing and pulling a solid handle around and around. The gate wrench handle can be purchased separately or with standard 6 ft. gate wrench extension. It also can be adapted to existing gate wrenches by cutting off the handle and inserting and pinning the two together (template and pin included).



Aluminum Ratchet Gate Handle

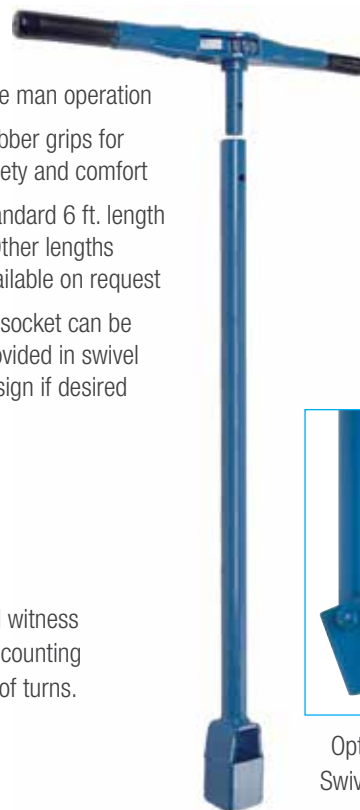


Stamped witness mark for counting number of turns.



Steel Ratchet Gate Handle

- One man operation
- Rubber grips for safety and comfort
- Standard 6 ft. length - Other lengths available on request
- 2" socket can be provided in swivel design if desired



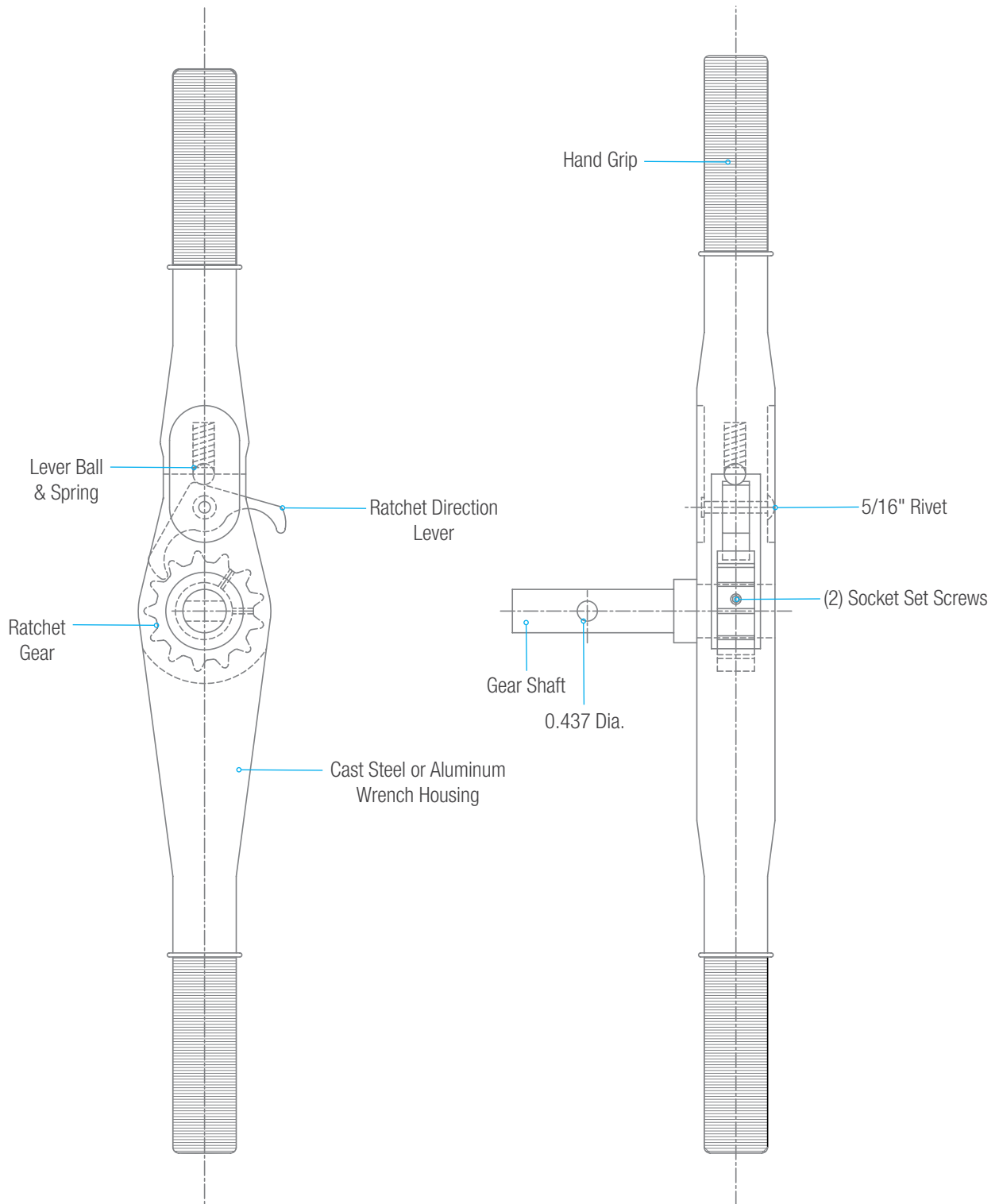
Optional Swivel Nut

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Aluminum Ratchet Gate Wrench	6 ft.	24 lbs.	63213 RHA
Aluminum Ratchet Gate Wrench	7 ft.	25 lbs.	63208 3RHA
Aluminum Ratchet Gate Wrench	8 ft.	25 lbs.	63216 RHA
Aluminum Ratchet Gate Wrench	9 ft.	26 lbs.	63216 1RHA
Aluminum Ratchet Gate Wrench	10 ft.	29 lbs.	63217 RHA
Aluminum Ratchet Gate Wrench	11 ft.	29 lbs.	63217 1RHA
Aluminum Ratchet Gate Wrench	12 ft.	29 lbs.	63208 5RHA
Aluminum Ratchet Handle	—	29 lbs.	63209 2RH
Steel Ratchet Gate Wrench	6 ft.	30 lbs.	63213 RHS
Steel Ratchet Gate Wrench	7 ft.	31 lbs.	63208 3RHS
Steel Ratchet Gate Wrench	8 ft.	31 lbs.	63216 RHS
Steel Ratchet Gate Wrench	9 ft.	32 lbs.	63216 1RHS
Steel Ratchet Gate Wrench	10 ft.	35 lbs.	63217 RHS
Steel Ratchet Gate Wrench	11 ft.	37 lbs.	63217 1RHS
Steel Ratchet Gate Wrench	12 ft.	41 lbs.	63208 5RHS
Steel Ratchet Handle	—	10 lbs.	63209 3RH

GATE VALVE WRENCHES & ACCESSORIES

Ratchet Gate Handle

Aluminum & Steel Ratchet Gate Handle



GATE VALVE WRENCHES & ACCESSORIES

Telescopic Gate Wrenches

Straight Handle Telescopic Gate Wrenches

Telescopic Gate Wrenches are adjustable at the top and have a positive stop to prevent the bottom section from pulling free. A thumb screw secures the sections in position after length adjustment is made. The straight handle wrench is available in two adjustment lengths; 4'-8' and 6'-10'. The bottom shaft is made of 1 1/4" heavy wall tubing and the telescopic section is made of 1" square tubing. The handle is 24" long and made of 7/8" solid round stock.

Folding Handle Telescopic Gate Wrenches

The folding handle model allows for easy storage and shipping. It has an adjustment length of 52"-84". The bottom shaft is made of 1 1/4" heavy wall tubing and the telescopic section is made of 1" square tubing. The handle is 24" long and made of 1" solid round stock.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Straight Handle Telescopic Gate Wrench	4 ft. - 8 ft.	20 lbs.	63213 3
Straight Handle Telescopic Gate Wrench	6 ft. - 10 ft.	24 lbs.	63213 4
Folding Handle Telescopic Gate Wrench	52 in. - 84 in.	20 lbs.	63213 2

GATE VALVE WRENCHES & ACCESSORIES

Standard Gate Wrenches & Extensions

Standard Gate Wrenches

The shaft is made of 1" Schedule 80 steel pipe and has a heavy arch and a 2" square socket end. The handle is 24" long. Op-tional 2" swivel nut square socket end is available.



Optional Swivel Nut

Gate Wrench Extension Stems

Each Extension Stem has a centering ring to keep it aligned in the valve box. It has a 2" heavy square socket on one end and a 2" heavy square nut on the other. Shafts are 1 1/4" Schedule 40 pipe. Other shafts available on request. *Optional cup point set screws are available on request.



Standard Extension Stem With Fixed Operating Nut & Fixed Socket

NOTE: Extension stems are also available in stainless steel. Gate Stem Extension bottom and top nuts are available to make your own extension stems. See page 26.

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Standard Gate Wrench	3 ft.	15 lbs.	63208
Standard Gate Wrench	4 ft.	16 lbs.	63208 1
Standard Gate Wrench	5 ft.	18 lbs.	63208 2
Standard Gate Wrench	6 ft.	20 lbs.	63213
Standard Gate Wrench	7 ft.	21 lbs.	63208 3
Standard Gate Wrench	8 ft.	21 lbs.	63216
Standard Gate Wrench	9 ft.	22 lbs.	63216 1
Standard Gate Wrench	10 ft.	25 lbs.	63217
Standard Gate Wrench	11 ft.	27 lbs.	63217 1
Standard Gate Wrench	12 ft.	31 lbs.	63208 5
Gate Wrench Extension Stem	1 ft.	6 lbs.	63209
Gate Wrench Extension Stem	2 ft.	6 lbs.	63209 2
Gate Wrench Extension Stem	3 ft.	8 lbs.	63209 3
Gate Wrench Extension Stem	4 ft.	12 lbs.	63209 4
Gate Wrench Extension Stem	5 ft.	14 lbs.	63209 5
Gate Wrench Extension Stem	6 ft.	17 lbs.	63209 6
Gate Wrench Extension Stem	7 ft.	20 lbs.	63209 7
Gate Wrench Extension Stem	8 ft.	24 lbs.	63209 8
Gate Wrench Extension Stem	9 ft.	30 lbs.	63209 9
Gate Wrench Extension Stem	10 ft.	32 lbs.	63209 10
Gate Wrench Extension Stem	11 ft.	32 lbs.	63209 11
Gate Wrench Extension Stem	12 ft.	35 lbs.	63209 12

GATE VALVE WRENCHES & ACCESSORIES

Gate Wrench Accessories

Gate Stem Extension Bottom and Top Nut

Gate Stem Extension Nuts allow you to make your own gate valve extension stems by simply welding, pinning or bolting a length of pipe between them. They are available with attached pipe (shown below) designed to fit inside standard 1¼" pipe, or as nuts only.



Top Nut with Pipe Shaft

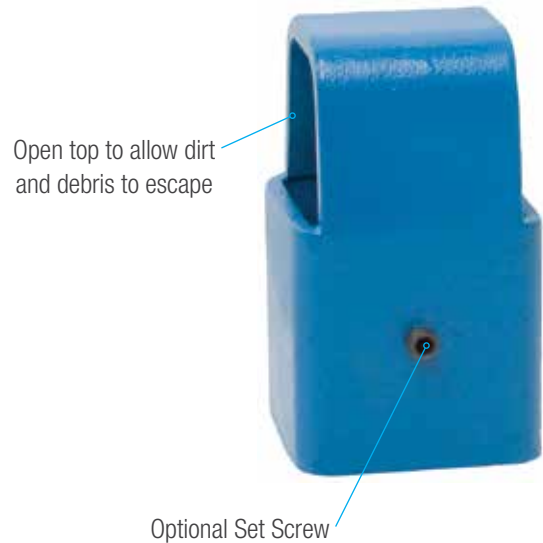


Bottom Nut with Pipe Shaft



Opening Direction Plate
Reversible for Open Right
or Open Left

Gate Wrench End (only)



Open top to allow dirt and debris to escape

Optional Set Screw

PRODUCT DESCRIPTION	WT.	PART NO.
Gate Stem Ext. Top Nut	2 lbs.	05795 A
Gate Stem Ext. Bottom Nut	2 lbs.	05796 A
Gate Stem Ext. Top Nut w/Pipe	2½ lbs.	05797A
Gate Stem Ext. Bottom Nut w/Pipe	2½ lbs.	05798 A
Opening Direction Plate	1½ lbs.	05800 A
Gate Wrench End (only)	2 lbs.	63218



GATE VALVE TOOLS & ACCESSORIES

Broken Nut Valve Wrench
Rounded Nut Grabber
Socket Ratchet Wrench
Accessories



GATE VALVE TOOLS & ACCESSORIES

Broken Nut Valve Wrench

Broken Nut Valve Wrench

When a gate valve operating nut is broken off you can be left in a desperate situation. The Broken Nut Valve Wrench can solve your problem quickly. First, remove the broken nut from the valve box using one of the handy wrenches found on page 19 of this catalog. The Broken Nut Valve Wrench is attached to a T-Handle Wrench with a bolt and nut. The wrench is lowered in the valve box and the spring loaded pipe wrench jaws are slid around the stem. When the wrench is turned in the proper direction, the jaw on the wrench will grab the valve stem, allowing you to open or close the valve while standing at ground level. The spring loaded jaw is reversible, allowing you to open or close a valve for both open right and open left valves.

Complete assemblies can be purchased in six different lengths length. See table below.



Broken Nut Valve Wrench Side View



Broken Nut Valve Wrench Bottom View



Broken Nut Valve Wrench Complete Assembly

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Broken Nut Valve Wrench	—	4 lbs.	63269
T-Handle (only) for Broken Nut Valve Wrench	6 ft.	20 lbs.	63269 6H
T-Handle (only) for Broken Nut Valve Wrench	7 ft.	21 lbs.	63269 7H
T-Handle (only) for Broken Nut Valve Wrench	8 ft.	22 lbs.	63269 8H
T-Handle (only) for Broken Nut Valve Wrench	9 ft.	23 lbs.	63269 9H
T-Handle (only) for Broken Nut Valve Wrench	10 ft.	25 lbs.	63269 10H
T-Handle (only) for Broken Nut Valve Wrench	11 ft.	27 lbs.	63269 11H
T-Handle (only) for Broken Nut Valve Wrench	12 ft.	31 lbs.	63269 12H
Broken Nut Valve Wrench Complete Assembly	6 ft.	22 lbs.	63269 6A
Broken Nut Valve Wrench Complete Assembly	7 ft.	23 lbs.	63269 7A
Broken Nut Valve Wrench Complete Assembly	8 ft.	24 lbs.	63269 8A
Broken Nut Valve Wrench Complete Assembly	9 ft.	25 lbs.	63269 9A
Broken Nut Valve Wrench Complete Assembly	10 ft.	27 lbs.	63269 10A
Broken Nut Valve Wrench Complete Assembly	11 ft.	28 lbs.	63269 11A
Broken Nut Valve Wrench Complete Assembly	12 ft.	33 lbs.	63269 12A

GATE VALVE WRENCHES & ACCESSORIES

Rounded Nut Grabber (RNG)

Rounded Nut Grabber RNG Socket

The Rounded Nut Grabber is for operating valves that have deteriorated or for rounded operating nuts that a standard gate wrench will no longer open. The process of repairing or removing valves in this condition is costly and time consuming. The R.N.G. Socket is made of heavy cast steel for strength and durability and will easily turn a compromised valve operating nut. This socket works on the "flats and rounds" principle. The socket fits over the 2" nut, grabbing the flat sides of the nut with the protruding rounds when rotated. The rounds will grab before the rotation can go past the corners. This unique tool is designed with a heavy-wall thickness to provide strength and torque capability when dealing with valves that are difficult to turn. The stem is designed to fit firmly into a standard gate valve shaft for pinning or can be supplied complete with a T-handle wrench to your desired length. Each Rounded Nut Grabber is supplied with a template for drilling a hole in a gate wrench in the proper location. The Template can be purchased separately as well.



The Rounded Nut Grabber and Handle can be purchased individually or together as a complete assembly

Template supplied with the R.N.G or may be purchased separately.

T-Handle for Rounded Nut Grabber

PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Rounded Nut Grabber	—	6 lbs.	63264
T-Handle (only) for Rounded Nut Grabber	6 ft.	20 lbs.	63264 6H
T-Handle (only) for Rounded Nut Grabber	7 ft.	21 lbs.	63264 7H
T-Handle (only) for Rounded Nut Grabber	8 ft.	22 lbs.	63264 8H
T-Handle (only) for Rounded Nut Grabber	9 ft.	23 lbs.	63264 9H
T-Handle (only) for Rounded Nut Grabber	10 ft.	25 lbs.	63264 10H
T-Handle (only) for Rounded Nut Grabber	11 ft.	27 lbs.	63264 11H
T-Handle (only) for Rounded Nut Grabber	12 ft.	31 lbs.	63264 12H
Rounded Nut Grabber Complete Assembly	6 ft.	26 lbs.	63264 6A
Rounded Nut Grabber Complete Assembly	7 ft.	27 lbs.	63264 7A
Rounded Nut Grabber Complete Assembly	8 ft.	28 lbs.	63264 8A
Rounded Nut Grabber Complete Assembly	9 ft.	29 lbs.	63264 9A
Rounded Nut Grabber Complete Assembly	10 ft.	30 lbs.	63264 10A
Rounded Nut Grabber Complete Assembly	11 ft.	32 lbs.	63264 11A
Rounded Nut Grabber Complete Assembly	12 ft.	36 lbs.	63264 12A
Template	—	11 oz.	63264 TEM

GATE VALVE TOOLS & ACCESSORIES

2" Socket Ratchet Wrench

2" Socket Ratchet Wrench

This versatile wrench is handy either in the field, where it can be used to operate gate valves before they are buried, or in a plant or pump station where it can replace the standard handwheel on non-rising stem valves so it can't be operated by unauthorized personnel. Ideal for quickly opening and closing tapping valves. Rugged heavy duty steel construction with rubber handle for comfort and safety.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
2" Socket Ratchet Wrench	—	4.5 lbs.	63182 9

GATE VALVE WRENCHES & ACCESSORIES

Gate Valve Accessories

Box Seat

The Box Seat is a high-strength, plastic device designed to eliminate the annoying and costly problem of having to re-dig a valve box base that has shifted off center during the backfilling process. The Box Seat is easily installed by removing the valve's operating nut and sliding it over the valve stem. When in place, it automatically centers the valve box base around the operating nut and prevents the backfill material from interfering with valve operation while still allowing surface water to drain out. Any surface debris that does enter the valve box can quickly and easily be cleaned out using a box cleaner (see page 19).



Handwheel For 2" Square Operating Nut

The Handwheel is made of ductile iron for strength. The square head cap screw with cup point assures that the handwheel stays locked onto the operating nut. The raised lettering is 1/2" high minimum. The 2" square nut protrudes 3/4" above the handwheel top surface which provides the option of using a Standard Gate Wrench. An optional 3/4" speed handle is available for valve exercising.



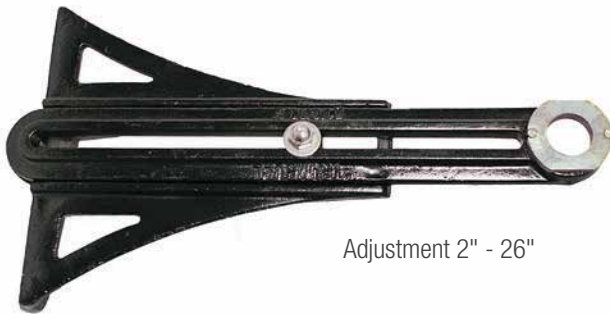
PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Box Seat (QWP)*	—	<1 lbs	45158
Box Seat (plain)	—	<1 lbs	45158 P
Handwheel For 2" Square Operating Nut	10 in.	7 lbs.	40830
Handwheel For 2" Square Operating Nut	12 in.	8 lbs.	40831
Handwheel For 2" Square Operating Nut	14 in.	10 lbs.	40832
Handwheel For 2" Square Operating Nut	16 in.	12 lbs.	40833
Handwheel For 2" Square Operating Nut	20 in.	17 lbs.	40834
Handwheel For 2" Square Operating Nut	24 in.	21 lbs.	40836
Rev. Speed Handle for Handwheel	—	1 lbs	40837

*Box Seats can be provided with your company logo. Call NCT for more information.

GATE VALVE TOOLS & ACCESSORIES

Gate Valve Accessories & Tools

Adjustable Stem Guide



Adjustment 2" - 26"

Valve Setter*

The Valve Setter improves safety and simplifies the lowering of 4" to 12" gate valves with 2" operating nut into the trench.



New 2-piece design makes it stronger and easier to use!



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Adjustable Stem Guide	—	25 lbs.	63330
4" to 12" Valve Setter*	—	5 lbs	63214

*Valve Setters are pull-tested and tagged with capacity.



VALVE BOX TOOLS

- Valve Box Top Lifter
- Valve Box Cover Die Bar
- Valve Box Cover Tongs

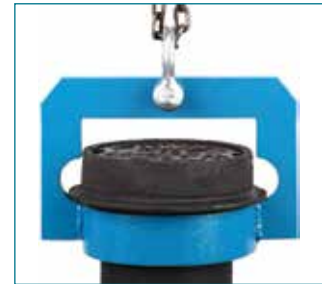


VALVE BOX TOOLS & ACCESSORIES

Valve Box Tools

Valve Box Top Lifter

The Valve Box Top Lifter is used to lift the top section* of slide-type valve boxes. All that is required is to dig half way around the top flange and put the lifter in place. Hook a chain to the lifter and, with a backhoe, gently lift to desired height.



Valve Box Cover Die Bar



22" Valve Box Cover Tongs

- Rugged steel design
- Zinc plated for rust protection
- Extra long for less bending
- Rubber grips on handles for comfort and safety



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Valve Box Top Lifter*	—	14 lbs	63214 15
Valve Box Cover Die Bar	—	2 lbs	63282 2
22" Valve Box Cover Tongs	—	7 lbs	63215 2

*Works only with top flange valve box tops.



HYDRANT MARKERS & TOOLS

Markers
Tools
Accessories

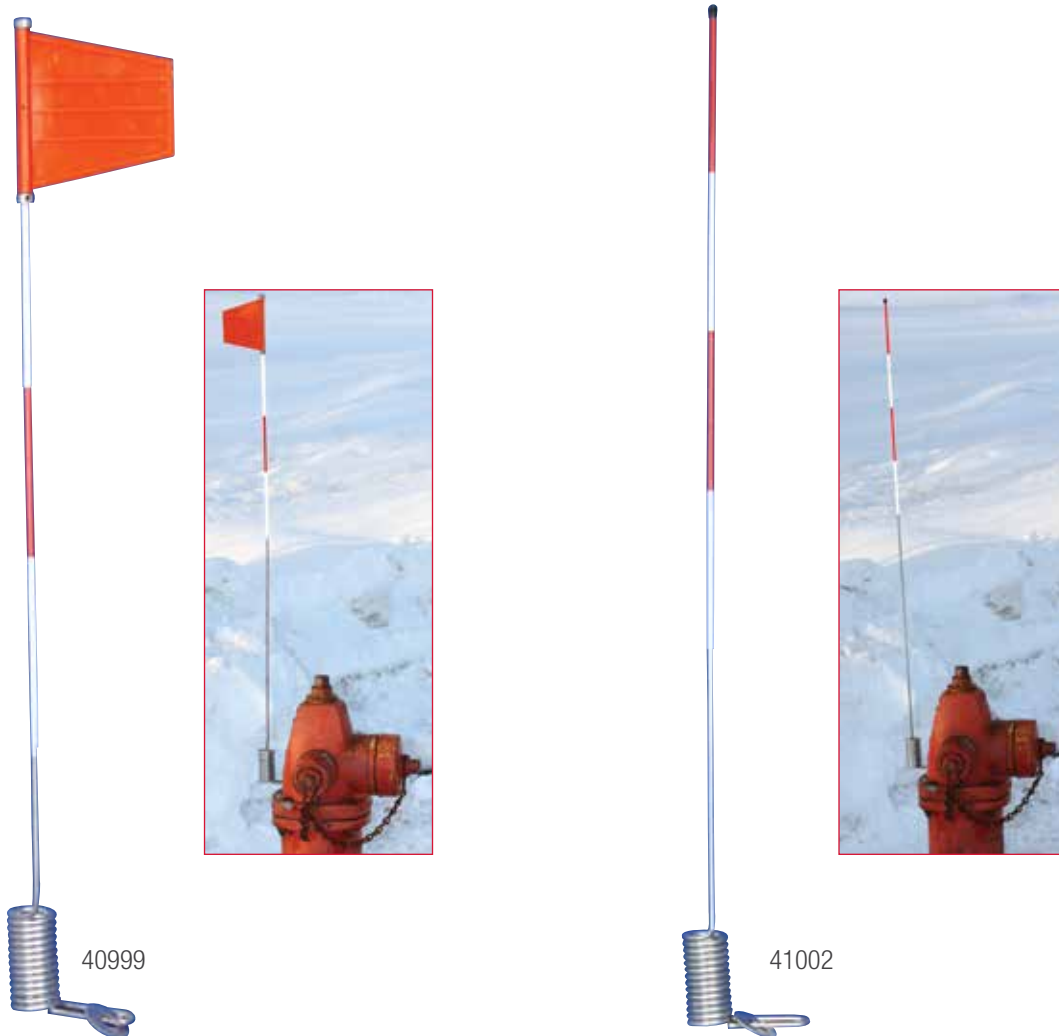


HYDRANT MARKERS & TOOLS

Hydrant Markers

Galvanized Spring Flags with Reflective Bands

Spring-loaded Hydrant Markers are made of one-piece galvanized spring steel for corrosion resistance. The mounting bracket is part of the spring; a washer is supplied. Four 6" reflective weatherproof bands (two red and two white) are applied to the top section of the marker for superior visibility.



PRODUCT DESCRIPTION	WT.	PART NO.
4 ft. Spring Flag w/4" x 5" Flag	4 lbs.	40999
4" x 5" Replacement Flag	<1 lb.	40999 1
4 ft. Spring Flag w/Reflective Bands	3 lbs.	41002
5 ft. Spring Flag w/Reflective Bands	4 lbs.	41002 1

HYDRANT MARKERS & TOOLS

Hydrant Markers

Safety Orange Hydrant Markers

- Double dipped in Safety Orange color paint
- 2 reflective, weatherproof stickers are supplied so hydrants can be easily located at night
- Standard rods are 1/2" with 1/2 loop for easy installation
- Large 4 1/2" round flag—reduces chance of injury
- Individually wrapped and packed 10 to a bundle



41001

Universal Flag Kit

The Universal Flag Kit consists of a 4 1/2" Lexan red disc and a center mounted U-clip and stainless steel set screw. The kit will fit any 1/4" to 1/2" steel shaft.



05819A

PRODUCT DESCRIPTION	WT.	PART NO.
48" Hydrant Marker 3/8" Galvanized	3 lbs.	41000
48" Hydrant Marker 1/2" Rebar	3 lbs.	41001
52" Hydrant Marker 3/8" Galvanized	3 lbs.	41004
Universal Flag Kit	<1 lb.	05819A

HYDRANT MARKERS & TOOLS

Hydrant Tools & Accessories

Hydrant Setter*

The hydrant setter greatly eases the installation of hydrants which can weigh as much as a half ton. The lifting rings, which are held in proper alignment by the spreader bar, fit over the 2½" hose nozzles and are locked in place by the hose nozzle caps.



"Out of Service" Fire Hydrant Sign



05634 1A

**Hydrant Setters are pull-tested certified and tagged with capacity.*

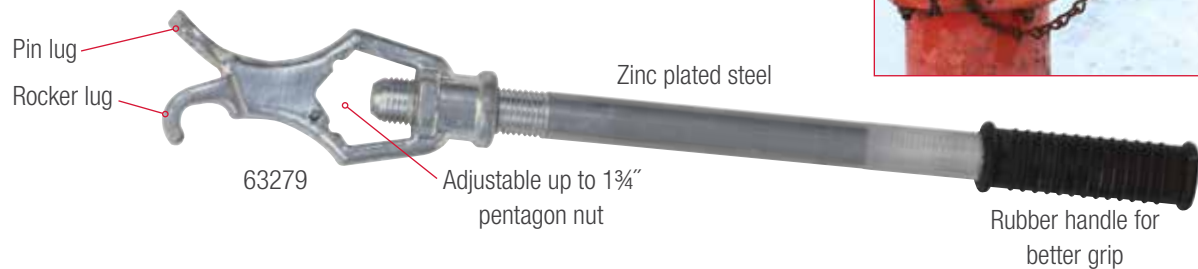
PRODUCT DESCRIPTION	WT.	PART NO.
Hydrant Setter with Spreader Bar	10 lbs.	63281
Hydrant Out of Service Sign (7" O.D., 3¼" I.D.)	<1 lb.	05634 1A

HYDRANT MARKERS & TOOLS

Hydrant Tools & Accessories

16" Adjustable Hydrant Wrench

This hydrant wrench is adjustable to fit up to 1 3/4" pentagon operating nuts and pumper or steamer caps. Also fits pin and rocker lug hose couplings with its double spanner. Now with rubber coated handle for a better grip. Zinc plated for corrosion protection.



Hydrant Tags

- Galvanized attaching cable with duplex clips
- Unbreakable tempered virgin nylon
- Numbered or lettered both sides; 3 characters standard; 4 characters available for an additional charge
- 6 vivid color combinations
- Crimping tool sold separately



14" Hydrant Tag Crimping Tool



PRODUCT DESCRIPTION	WT.	PART NO.
Adjustable Hydrant Wrench	4 lbs.	63279
Hydrant Tag with Cable and Clip	<1 lb.	41003
14" Hydrant Tag Crimping Tool	3 lbs.	63970



WATERWORKS TOOLS

Service Line Puller Kits
Hand Tools



WATERWORKS TOOLS

Service Line Puller Kits

3/4" – 1" Service Line Puller Kits

With a backhoe and the Service Line Puller Kit you can remove old and failing service lines and replace them with new tubing with minimal digging, less property damage, reduced down-time and with less expense than digging the entire service and replacing it.

There are two Service Line Puller Kits available, one for 3/4" and 1" pipe and one for 1 1/4" to 2" pipe. Each kit contains all the parts needed to remove and replace old copper, lead, steel and plastic pipe.

Features:

- The Split Bull Head gives greater “push/pull” power with its improved grabbing design.
- Our exclusive Split Bull Head attaches directly to the plain end of the cable, making field repairs simple, should a cable break. If the competitions’ cable breaks you have to buy a new cable because the bull head is attached to it permanently.
- Our kit includes more parts than the competitions’. Refer to the tables below to see what’s included.

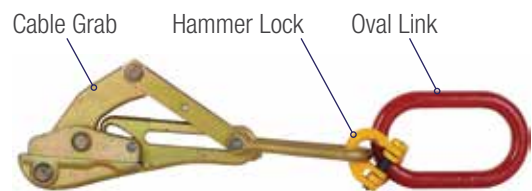
PRODUCT DESCRIPTION	WT.	PART NO.
3/4"-1" Puller Kit w/50' Cable*	48 lbs	63150
3/4"-1" Puller Kit w/75' Cable•	–	63150 75
3/4"-1" Puller Kit w/100' Cable†	–	63150 100
3/8" x 50' Cable 7.44 ton test*	–	63150 2A
3/8" x 75' Cable 7.44 ton test•	–	63150 3A
3/8" x 100' Cable 7.44 ton test†	–	63150 4A
Split Bull Head*•†	–	63150 20
Cable Grab*•†	–	63150 25
Hammer Lock*•†	–	63150 30
Oval Link*•†	–	63150 35
Step Tool Box*•†	–	63212 9
Worm Screw	–	63150 45
Plastic Pipe Splitter*•†	–	63150 50
Plastic Adapter*	–	63150 55
Equalizer Pipe Grab	–	63150 60
Cable Cutter	–	63150 65
Starter Tool*•†	–	63150 70



High Strength Step Stool Tool Box
With Metal Bottom Liner

Benefits:

- Far less digging than conventional methods
- Less damage to private property
- No trench settlement
- Reduces amount of time customer's service is down
- Pulls old copper, lead, steel and plastic service lines
- Pulls new service line and splits old plastic tubing



Split Bull Head Plastic Pipe Splitter Plastic Adapter Starter Tool

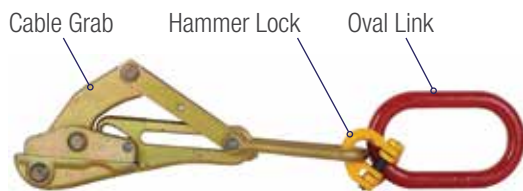


50' - 3/8" Cable
7.44 Ton Test
Also available in
75' & 100' coils

WATERWORKS TOOLS

Service Line Puller Kits

1 1/4" – 2" Service Line Puller Kits



50' - 1/2" Cable
13 Ton Test
Also available in
75' & 100' coils

PRODUCT DESCRIPTION	WT.	PART NO.
1 1/4"-2" Puller Kit w/50' Cable*	52 lbs	63153
1 1/4"-2" Puller Kit w/75' Cable●	–	63153 75
1 1/4"-2" Puller Kit w/100' Cable†	–	63153 100
1/2" x 50' Cable w/3/4" Pressed-On Stud*	–	05695 A
1/2" x 75' Cable w/3/4" Pressed-On Stud●	–	05695 1A
1/2" x 100' Cable w/3/4" Pressed-On Stud†	–	05695 2A
Cable Grab*●†	–	63150 25
B-Hammer Lock*●†	–	63150 30
B-Oval Link*●†	–	63150 35
B-Step Tool Box*●†	–	63212 9
B-Worm Screw	–	63153 15
B-Cable Turning Crank	–	63153 20
B-Cable Cutter	–	63153 25
B-Screw-On Bull Head 1 1/4"*●†	–	63153 10
B-Screw-On Bull Head 1 1/2"*●†	–	63153 30
B-Screw-On Bull Head 2"*●†	–	63153 35

**See the next page for diagrams
& instructions on how to use the
Service Line Puller Kit!**

WATERWORKS TOOLS

Service Line Puller Kits

3/4" – 1" Service Line Puller Kit Instructions

A small pit, usually 4 ft. by 8 ft. is dug at the curb box and the service line is exposed. Approximately 6 to 8 inches of the exposed service line on the house side of the curb is cleaned and then cut off using a wheel cutter. Another cut is made in the line at the opposite end of the pit to allow maximum room for a long pull by the backhoe.

Inside the house, the water meter is disconnected and material around the service line is removed to allow for movement of the line.

One end of the cable should be placed in the split style pulling unit (Split Bullhead 63150 20) as far as possible into the female connection. Tighten the 8 Allen screws, alternating left to right to secure them; then tighten the 3 screws on the opposite side.

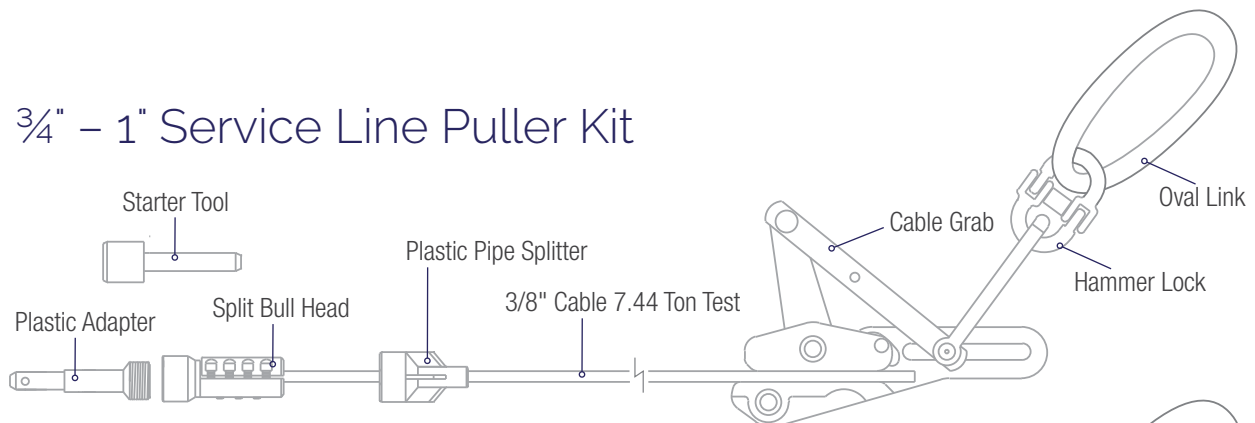
If pulling iron pipe, use the Starter Tool (63150 70) with a sledge hammer to start or jar loose the pipe where it passes through the foundation; make sure the hole in the foundation wall is large enough for Split Bullhead, plastic Pipe Splitter (63150 55), male adapter or Plastic Adapter (63150 55) to pass through.

If plastic pipe is to be removed, you must use the plastic Pipe Splitter (63150 50), as plastic pipe will ball-up in the ground. If pulling plastic pipe, use the Plastic Adapter (63150 55); it is stepped for use with 3/4" or 1" pipe. Simply slide your plastic pipe over the adapter and drill or punch a hole through the pipe. Then insert a bolt and locknut and tighten. Compression or flared male adapters can also be used to connect your new pipe.

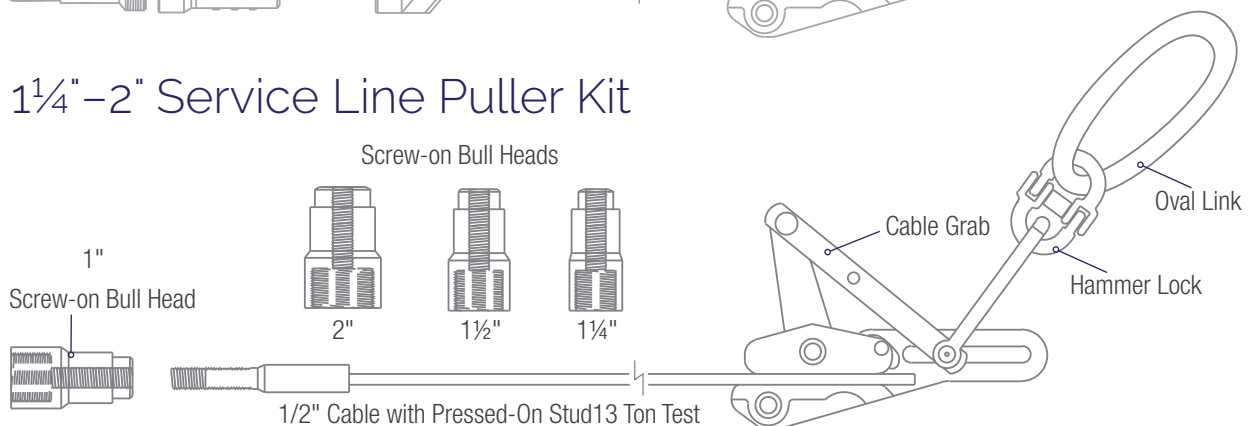
Inside the house, the Split Bullhead (63150 20) and 3/8" Steel Cable is attached to the new 3/4" or 1" service line. The cable is then pushed through the old service line until it is just exposed in the pit. The old service line itself is pulled slightly to make sure it will move. Once it has been determined that the line will move, the end of the cable is attached to the Cable Grab (63150 25) that is connected to one tooth of the backhoe. Initially, the cable and the old service line are pulled together, then the cable alone is used to pull the new line through. As the backhoe completes its maximum pull, the old line is cut and removed and the Cable Grab (63150 25) is reattached. This process is repeated until the new service line is pulled into position to be connected at the curb stop. Note: Always pull in a straight line; never at an angle, as this can weaken or fray the cable.

If soil conditions are extremely tight, it is advisable to use equalizer chain on the end of the pipe hooked to the oval link (63150 35). With this setup, you are pushing one end and pulling pipe at the same time. This works well and over time has shown that you will get approximately 90% of your pulls. Equalizer pipe grab (63150 60) is an optional item (see product tables).

3/4" – 1" Service Line Puller Kit



1 1/4" – 2" Service Line Puller Kit



WATERWORKS TOOLS

Hand Tools

Deep Well Sockets with 1/2" Drive

These deep well sockets are ideal for use with Repair Clamps and Pipe Couplings.

Features:

- All steel construction.
- Six point socket for maximum surface contact.
- Approximately 7" overall length for use on clamps and couplings.
- Works with standard 1/2" drive ratchet.
- Recessed "hand hold" area reduces the chances of dropping.
- Withstands minimum of 270 ft. lbs. of torque.
- Sizes: 7/8", 15/16", 11/16", 11/8" and 1 1/4".
- Black industrial finish.



Deep Well Sockets come in this heavy duty canvas bag which can be rolled up for easy storage



6-pc Screwdriver Set

Features:

- Vinyl grip handle provides greater comfort
- Durable alloy steel blade
- Precision formed tips ensure a more secure fit
- Chrome-plated bars for corrosion resistance

Sizes:

- 3/16" x 6" Standard
- 5/16" x 6" Standard
- 3/8" x 8" Standard
- 1pt x 3" Phillips®
- 3/16" x 3" Cabinet
- 2pt x 4" Phillips®



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Deep Well Socket	7/8 in	1 lb	63260 1
Deep Well Socket	15/16 in	1 lb	63260
Deep Well Socket	1-1/16 in	2 lbs	63260 2
Deep Well Socket	1-1/8 in	2 lbs	63260 3
Deep Well Socket	1-1/4 in	3 lbs	63260 5
Deep Well Socket Set (in bag)	—	9 lbs	63263
Canvas Bag Only	—	<1 lb	63263 B
6-pc Screw Driver Set	—	2 lbs	91218 2

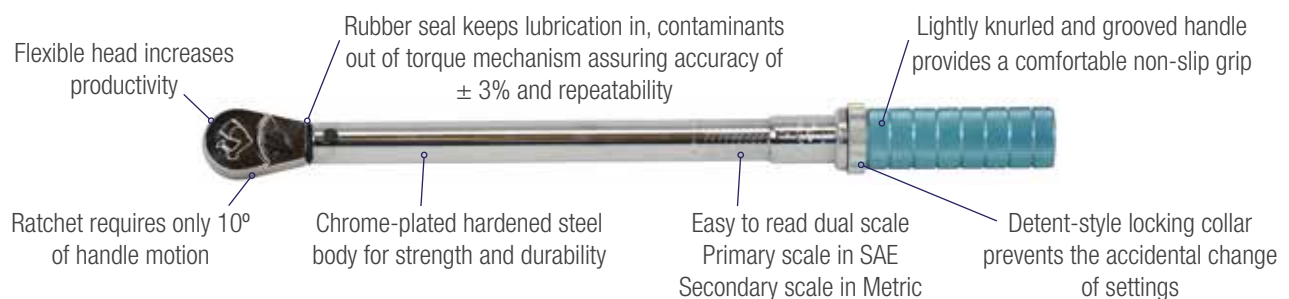
WATERWORKS TOOLS

Hand Tools

Armstrong 1/2" Drive Micrometer Adjustable Torque Wrench



Armstrong Micrometer Torque Wrenches offer precise torque application in an easy-to-use du-rable design. Armstrong's Micrometer "Click" style torque wrenches are forged, heat treated, and assembled in the USA using high alloy, do-mestically produced steel. Manufactured to rigid specifications ensures torque wrenches are of un-equaled strength, durability, and accuracy.



Blackhawk Proto[®] 118-Piece Metric and Fractional Tool Set

Features:

- 103 Sockets & Accessories
- 5 Wrenches
- 10 Miscellaneous Tools



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Adjustable Torque Wrench	—	3 lbs	63226 1
118-pc Metric & Fractional Tool Set	—	17 lbs	91220 1

WATERWORKS TOOLS

Hand Tools

2-pc Capped End Screwdriver Pry Bar Set

Features:

- All new two composite, ergonomically designed, capped-end handle.
- New capped-end handle allows the user to strike the bar with a hammer without damaging the head.
- 18" and 24" lengths.



Combo Flare & Rerounding Tool

We have redesigned the standard rounding tool by adding more gripping area and by knurling the handle, which assures a positive grip and safer operation. Drive the tool part way in to round, or all the way in to flare.

The tubing end has been extended for better rounding and bored out to reduce weight. Machined pressure relief ports are added to prevent the tool from rebounding should back-pressure develop during either the rounding or flaring process. 3/4" through 2" sizes are available and feature black oxide finish to inhibit corrosion.



Combo Flare & Rerounding Tools in handy canvas carrying bag



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
2-pc Capped End Screwdriver Pry Bar Set	18 in & 24 in	5 lbs	91219 1
Combo Flare & Rerounding Tool	3/4 in	2 lbs	63905
Combo Flare & Rerounding Tool	1 in	3 lbs	63908
Combo Flare & Rerounding Tool	1-1/4 in	4 lbs	63911
Combo Flare & Rerounding Tool	1-1/2 in	5 lbs	63913 1
Combo Flare & Rerounding Tool	2 in	8 lbs	63916
Combo Flare & Rerounding Tool Set in canvas bag	3/4 - 2 in	20 lbs	63917 S
Canvas bag only	—	<1 lb	63917 B

WATERWORKS TOOLS

Hand Tools

3-pc Line-up Pry Bar Set

Features:

- Made of forged steel and heat treated for strength.
- Black oxide finish.
- 2-Line-up Pry Bars, 14" and 20".
- 1-16" Rolling Head Pry Bar.



3-pc Rolling Head Pry Bar Set

Features:

- Made of forged steel and heat treated for strength.
- Black oxide finish.
- 3 Lengths: 1/2" x 12", 5/8" x 16" and 3/4" x 21".



12" Rolling Head Pry Bar

Features:

- Made of forged steel and heat treated for strength.
- Black oxide finish.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
3-pc Line-up Pry Bar Set	—	4 lbs	91219
3-pc Rolling Head Pry Bar Set	—	5 lbs	63282 3RS
12" Rolling Head Pry Bar	—	<1 lb	63282 3

WATERWORKS TOOLS

Hand Tools

Cast Iron Pipe Bursting Wedge



Dimension: 1½" x 12½"

NPT Corporation Cleaners

This tool can be used on corporations stops with NPT threads under the tube nut. The tube nut is removed and the cleaner is threaded on the corporation stop. Once the Cleaner is tightened the corporation can be opened and the drill bit is rotated down through the corporation, cleaning out any debris. After the Corporation Cleaner is removed the corporation is opened to flush out the loose debris.



PRODUCT DESCRIPTION	LENGTH	WT.	PART NO.
Cast Iron Pipe Bursting Wedge	12-1/2 in	3 lbs	63303
NPT Corporation Cleaners	1/2 in	5 lbs	63150 5
NPT Corporation Cleaners	3/4 in	5 lbs	63151
NPT Corporation Cleaners	1 in	5 lbs	63152

WATERWORKS TOOLS

Hand Tools

Meter Box Wrench

Made of 1" round stock. Handle is 8" long with chisel point for prying and a slot for operating meter valve on the other. Available for No. 1 (27/32") or No. 2 (11/32") pentagon nuts (see samples on right).



No. 1 Pent Nut 27/32"



No. 2 Pent Nut 11/32"



Hand Pentagon Wrench

This handy wrench is used for pentagon head bolts used in ser-vice boxes, repair lids and meter box covers. Made of steel for extra strength.



Corporation E-Z Out

The Corporation E-Z Out is used to remove 1/2" to 1" corporation stops that have broken-off in the pipeline. Two sizes are available; 1/2" to 3/4" and 3/4" to 1".



PRODUCT DESCRIPTION	SIZE	WT.	PART NO.
Meter Box Wrench #1 Pent Nut	—	3 lbs	63182 6
Meter Box Wrench #2 Pent Nut	—	3 lbs	63182 7
Hand Pent Small 27/32 in. Nut	—	1 lb	63182 4
Hand Pent Large 11/32 in. Nut	—	1 lb	63182 5
Corporation E-Z Out	1/2 in - 3/4 in	3 lbs	63151 1
Corporation E-Z Out	3/4 in - 1 in	3 lbs	63151 2

WATERWORKS TOOLS

Hand Tools

No. 1 & 2 Meter Lid Wrenches

These wrenches are used to lock onto and lift meter lids with No. 1 or No. 2 pentagon nuts. Slotted pents can also be used to turn the meter valve and the points can be used to pry up covers or clean around the nut.



PRODUCT DESCRIPTION	WT.	PART NO.
No. 1 Meter Lid Wrench	<1 lb	63182
No. 1 Meter Lid Wrench, Slotted	<1 lb	63182 01
No. 2 Meter Lid Wrench	<1 lb	63185 3
No. 2 Meter Lid Wrench, Slotted	<1 lb	63182 02

WATERWORKS TOOLS

Hand Tools

5 ft. Tamping Bar

The angled bottom plate forces dirt under the pipe, insuring proper bedding. The top of the bar is forged flat to give it more bearing surface, helping it to hold better in the dirt while pushing pipe together.

Features:

- 1 1/8" round steel stock.
- 5/8" x 4" x 4" bottom plate angled to force dirt under pipe.
- Forged flat on top end for pushing pipe together.
- Weight: 16 lbs.±

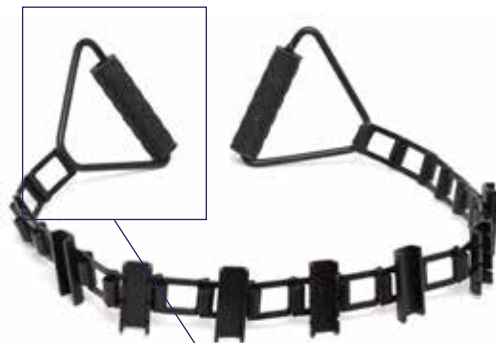


This multipurpose tool can be used for tamping and assembling pipe!



Pipe Cleaner/Descaler

Our Pipe Cleaner/Descaler uses heavy chain and has more channels than our competitors'. Half of our channels are ser-rated to clean pipe more efficiently.



Now available with rubber handles

PRODUCT DESCRIPTION	SIZE	WT.	PART NO.
Pipe Tamping Bar	5 ft	23 lbs	63160
Pipe Cleaner/Descaler	3 in - 12 in	4 lbs	63014
Pipe Cleaner/Descaler	14 in - 36 in	5 lbs	63287

WATERWORKS TOOLS

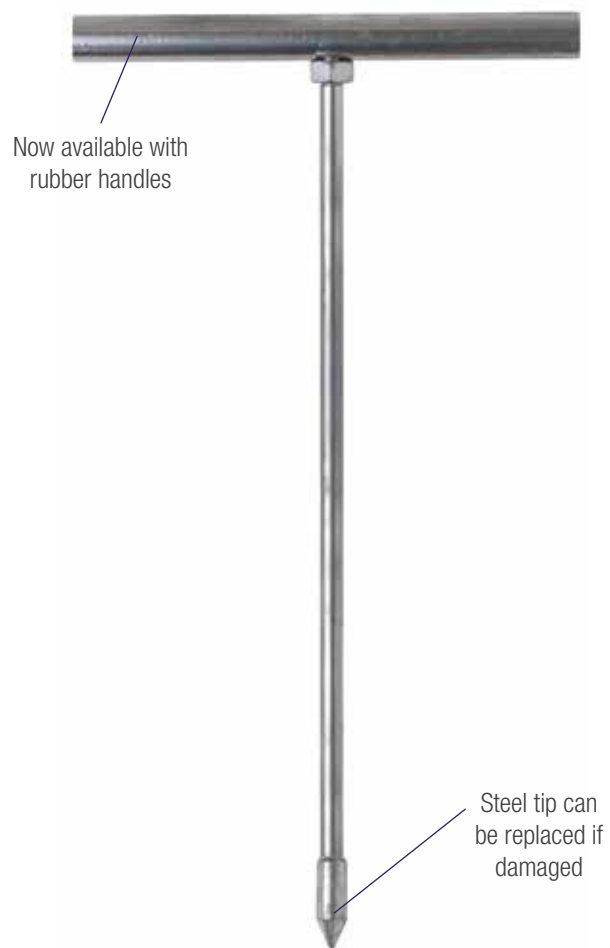
Hand Tools

48" Tile Probes

Tile probes are used as a quick and easy way to find buried water, sewer and drain lines, or electrical conduit. These simple devices can save thousands of dollars and many man hours repairing a broken line. Constructed of either fiberglass or steel for durability.



48" Fiberglass Tile Probe



48" Steel Tile Probe

PRODUCT DESCRIPTION	SIZE	WT.	PART NO.
Fiberglass Tile Probe	48 in	2 lbs	91235 1
Steel Tile Probe	48 in	4 lbs	63194 15
Steel Tile Probe Tip	48 in	<1 lb	63154 1



MANHOLE RELATED PRODUCTS

Manhole Cover Hooks
Slings



MANHOLE RELATED PRODUCTS

Manhole Cover Hooks

Loop and Chisel & Hammer Handle Manhole Cover Hooks

In addition to the loop handle style, we've added a pick and hammer style handle, making this tool more practical. The pick end is used to clean out the pick holes and the hammer end can be used to help loosen the cover. The handle is offset 90° from the pry end and allows for two-handed operation and better leverage. In most cases this tool will be all you need to open your manhole covers. The Aluminum Manhole Cover Hook is lightweight, yet strong and it will not cause sparks that could ignite dangerous sewer gases.



Aluminum Loop Handle and Standard Cover Hooks

Steel Loop Handle and Standard Cover Hooks

PRODUCT DESCRIPTION	SIZE	WT.	PART NO.
Aluminum Cover Hook	28 in	2 lbs	62053 3
Steel Cover Hook	28 in	5 lbs	62054
Steel Loop Handle Cover Hook	28 in	5 lbs	62054 1
Aluminum Cover Hook	36 in	3 lbs	62053 5
Steel Cover Hook	36 in	9 lbs	62053 4
Steel Loop Handle Cover Hook	36 in	9 lbs	62053 2
Aluminum Loop Handle Cover Hook	28 in	—	Non Stock
Aluminum Loop Handle Cover Hook	36 in	—	Non Stock

MANHOLE RELATED PRODUCTS

Slings

Manhole/Catch Basin
Setter Sling*

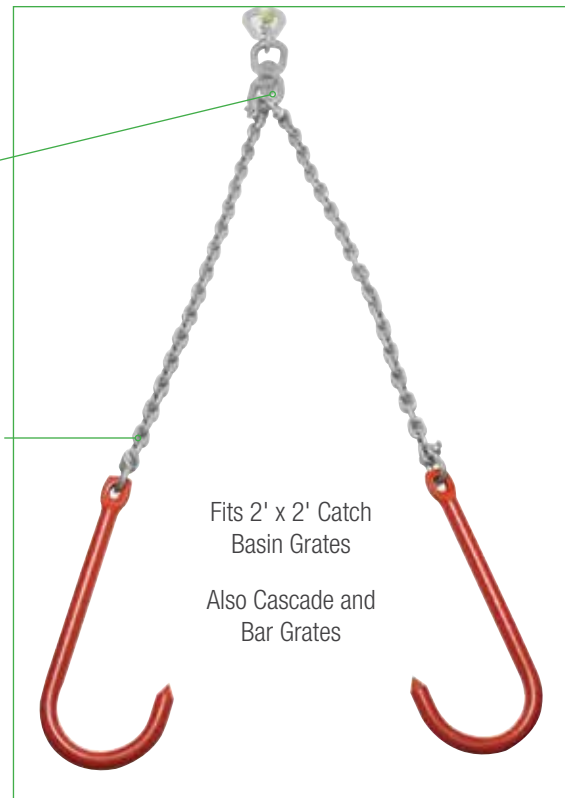
Catch Basin Grate Sling*



Swivel
Joint

Grade 8
Galvanized
Chain

20 1/2" – 30" Adjustment



Fits 2' x 2' Catch
Basin Grates

Also Cascade and
Bar Grates



*All slings and setters are pull tested.

PRODUCT DESCRIPTION	WT.	PART NO.
MH-Catch Basin Setter Sling	18 lbs	63284 2
Catch Basin Grate Sling	13 lbs	63284 3

MANHOLE RELATED PRODUCTS

Slings

Precast Concrete Manhole Barrel Sling*



*All slings and setters are pull tested.

PRODUCT DESCRIPTION	SIZE	WT.	PART NO.
Precast Concrete Barrel Sling	4 ft	49 lbs	63284 4
Precast Concrete Barrel Sling	5 ft	59 lbs	63284 5
Precast Concrete Barrel Sling	6 ft	69 lbs	63284 6
Precast Sling Pin	—	—	63284 1

INDEX

Symbols

2-pc Capped End Screwdriver Pry Bar Set _____	51
2" Socket Ratchet Wrench _____	35
3-pc Line-Up Pry Bar Set _____	52
3-pc Rolling Head Pry Bar Set _____	52
5 ft. Tamping Bar _____	56
12" Rolling Head Pry Bar _____	52
14" Hydrant Tag Crimping Tool _____	44
16" Adjustable Hydrant Wrench _____	44
22" Valve Box Cover Tongs _____	39
48" Fiberglass Tile Probe _____	57
48" Steel Tile Probe _____	57

A

Adjustable Hydrant Wrench _____	44
Adjustable Stem Guide _____	37
Adjustable Torque Wrench _____	50
All-In-One Combo Key _____	21
Aluminum MH Cover Hooks _____	59
Aluminum Ratchet Gate Handle _____	27-28
Aluminum Ratchet Gate Wrench _____	27

B

Blackhawk Proto 118-Piece Tool Set _____	50
Bottom Nut with Pipe Shaft _____	31
Box Cleaners _____	23-25
Box Seat _____	36
Broken Nut Valve Wrench _____	33

C

Cast Iron Pipe Bursting Wedge _____	53
Catch Basin Grate Sling _____	60
Chisel & Hammer Handle MH Cover Hooks _____	59
Combination Valve & Curb Key Set _____	20
Combo Flare & Rerounding Tool _____	51
Corporation Cleaners _____	53
Corporation E-Z Out _____	54

D

Deep Well Sockets with ½" Drive _____	49
---------------------------------------	----

F

Folding Handle Telescopic Gate Wrenches _____	29
---	----

G

Galvanized Spring Flags with Reflective Bands _____	41
Gate Valve Accessories:	
Adjustable Stem Guide _____	37
Box Seat _____	36
Handwheel for 2" Square Operating Nut _____	36
Gate Valve Tools:	
2" Socket Ratchet Wrench _____	35
Broken Nut Valve Wrench _____	33
Rounded Nut Grabber (R.N.G.) _____	34
Valve Setter _____	37
Gate Valve Wrenches:	
Accessories:	
Bottom Nut with Pipe Shaft _____	31
Gate Stem Extension Bottom & Top Nut _____	31
Gate Wrench End (only) _____	31
Opening Direction Plate _____	31
Top Nut with Pipe Shaft _____	31
Aluminum Ratchet Handle (only) _____	27-28
Gate Wrench Extension Stems _____	30
Ratchet Gate Handle (only) _____	27-28
Ratchet Gate Wrenches _____	27
Standard Gate Wrenches _____	30
Steel Ratchet Handle (only) _____	27-28
Telescopic Gate Wrenches _____	29
Folding Handle Telescopic Gate Wrenches _____	29
Straight Handle Telescopic Gate Wrenches _____	29
Gate Wrench Extension Stems _____	30

H

Hand Pentagon Wrench _____	54
Handwheel For 2" Square Operating Nut _____	36
Heavy Duty Service and Valve Box Cleaners	
Retrieving Spoons:	
Needle Nose Grip _____	23
Shark Grip _____	23
Standard Cleaner Spoon _____	23
Valve Box Clam Spoon _____	23
High Security Service Box Locking Device _____	18
High Security Service Box Extractor _____	18
Hydrant Markers:	
Galvanized Spring Flags with Reflective Bands _____	41
4" x 5" Replacement Flag _____	41
Safety Orange Hydrant Markers _____	42
Universal Flag Kit _____	42
Hydrant Out of Service Sign _____	43

INDEX

Hydrant Setter _____	43
Hydrant Tag Crimping Tool _____	44
Hydrant Tags _____	44
Hydrant Tools:	
14" Hydrant Tag Crimping Tool _____	44
16" Adjustable Hydrant Wrench _____	44
Hydrant Setter _____	43

L

Line-Up Pry Bar Set _____	52
Loop Handle MH Cover Hooks _____	59

M

Manhole/Catch Basin Setter Sling _____	60
Manhole Cover Hooks _____	59
Meter Box Wrench _____	54
Meter Lid Wrenches _____	55

N

No. 1 & 2 Meter Lid Wrenches _____	55
NPT Corporation Cleaners _____	53

O

Opening Direction Plate _____	31
Out of Service Fire Hydrant Sign _____	43

P

Pipe Cleaner/Descaler _____	56
Precast Concrete Manhole Barrel Sling _____	61
Pry Bar Sets: _____	52
3-pc Line-Up Pry Bar Set _____	52
3-pc Rolling Head Pry Bar Set _____	52
12" Rolling Head Pry Bar _____	52

R

Rolling Head Pry Bar Set _____	52
Rounded Nut Grabber (R.N.G.) _____	34

S

Safety Orange Hydrant Markers _____	42
Service Box Accessories:	
High Security Service Box Locking Device _____	18
Rods & Risers:	

Centering Rod Adapter _____	16
Telescoping Top Riser 2." Service Box _____	16
Service Box Extensions:	
1" SB Extension w/1 Set Screw _____	17
1" SB Extension w/2 Set Screws _____	17
1" SB Extension w/3 Set Screws _____	17
1-1/4" Service Box Extension with 2 Set Screws _____	17
Service Box Cleaners:	
Drawings _____	24
1" Service Box Cleaning Auger _____	25
2-1/2" Service Box Cleaning Auger _____	25
Heavy Duty Service & Valve Box Cleaner _____	23
Service & Valve Box Cleaner Handle Assembly _____	23
Service & Valve Box Cleaner Spoons _____	23
Service Box Wrenches:	
18" T Handle:	
2-Hole End _____	6
Curb End _____	7
Pent End _____	6
Pent with Curb Kicker _____	10
Rod End _____	7
Extended Shaft:	
Curb x Pent _____	10
Rod x 2-Hole _____	9
Rod x Pent _____	9
Miscellaneous:	
Point x Chisel Combo Key _____	12
Rod End:	
Rod x Pent x 2-Hole on Handle _____	8
Rod x Pent x 2-Hole on Handle w/Debris Cleaner _____	8
Slide Handle:	
Curb x Pent _____	11
Rod x 2-Hole _____	12
Rod x Pent _____	11
Telescopic Curb:	
Buffalo Style _____	13
Tools:	
2." Service Box Adjusting Tool, Screw Type _____	14
16" Service Box Cross Wrench _____	14
Wrench Ends _____	14
Service Line Puller Kits: _____	46-48
Sewer & Drain Products:	
Manhole Cover Hooks:	
Aluminum MH Cover Hooks _____	59
Chisel & Hammer Handle MH Cover Hooks _____	59
Loop Handle MH Cover Hooks _____	59
Steel MH Cover Hooks _____	59
Slings:	
Catch Basin Grate Sling _____	60

INDEX

Manhole/Catch Basin Setter Sling _____	60
Precast Concrete Manhole Barrel Sling _____	61
Socket Ratchet Wrench _____	35
Spoons:	
Needle Nose Grip _____	23
Shark Grip _____	23
Standard Cleaner Spoon _____	23
Valve Box Clam Spoon _____	23
Standard Gate Wrenches _____	30
6-pc Screwdriver Set _____	49
Steel MH Cover Hooks _____	59
Steel Ratchet Gate Handle _____	27
Steel Tile Probe _____	57
Stem Guide _____	37
Straight Handle Telescopic Gate Wrenches _____	29

T

Tamping Bar, Steel _____	56
Tile Probes:	
Fiberglass Utility Probe _____	57
Steel Tile Probe _____	57
Steel Tile Probe Tip _____	57
Top Nut with Pipe Shaft _____	31
Torque Wrench _____	50

U

Universal Flag Kit _____	42
--------------------------	----

V

Valve Box Tools:	
22" Valve Box Cover Tongs _____	39
Valve Box Cover Die Bar _____	39
Valve Box Top Lifter _____	39
Valve & Service Box Cleaner Drawings _____	24
Valve & Service Box Cleaner Handle Assembly _____	23
Valve Setter _____	37

W

Waterworks Tools:	
3/4" - 1" Service Line Puller Kits _____	46
3/4" - 1" Service Line Puller Kit Instructions _____	48
1-1/4" - 2" Service Line Puller Kit _____	47
1-1/4" - 2" Service Line Puller Kit Instructions _____	48
Hand Tools:	
2-pc Capped End Screwdriver Pry Bar Set _____	51
3-pc Line-Up Pry Bar Set _____	52
3-pc Rolling Head Pry Bar Set _____	52
5 ft. Tamping Bar _____	56
48" Fiberglass Tile Probe _____	57
48" Steel Tile Probe _____	57
Armstrong 1/2" Drive Adjustable Torque Wrench _____	50
Blackhawk Proto 118-Piece Tool Set _____	50
Cast Iron Pipe Bursting Wedge _____	53
Combo Flare & Rerounding Tool _____	51
Corporation Cleaners _____	53
Corporation E-Z Out _____	54
Deep Well Sockets with 1/2" Drive _____	49
Fiberglass Tile Probe _____	57
Hand Pentagon Wrench _____	54
Line-Up Pry Bar Set _____	52
Meter Box Wrench _____	54
Meter Lid Wrenches _____	55
No. 1 & 2 Meter Lid Wrenches _____	55
NPT Corporation Cleaners _____	53
Pipe Cleaner/Descaler _____	56
Rolling Head Pry Bar _____	52
6-pc Screwdriver Set _____	49
Steel Tile Probe Tip _____	57

TERMS AND CONDITIONS OF SALE

- **Acceptance:** All orders from the Purchaser are based upon acceptance within 10 days of receipt of written order, by authorized personnel of the Seller and with approval by Seller's Credit Department.
- **Cancellations:** SPECIAL OR NON-STOCK ITEMS MAY NOT BE CANCELLED OR RETURNED AFTER PRODUCT IS PLACED INTO PRODUCTION. All charges or costs incurred in cancellations or order changes will be billed to the purchaser.
- **Claim of Mechanic's Lien:** Pursuant to the provisions of applicable state law, purchaser and owner, or person having charge of property for which labor is to be performed or materials to be supplied, are on notice of seller's claim of a mechanic's lien on said property pending full payment of the amount contained on this invoice, plus applicable service charges.
- **Communications:** Payments are to be directed to: New Concept Tools, PO Box 350002, Boston, MA 02241-0502; All other correspondence to 25 Town Farm Road, PO Box 419, S. Barre MA 01074; Telephone: 1-978-355-4641.
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Who We Are

For over 30 years, QWP has been a trusted source of leading-edge products for the water and wastewater industries. Working with our partner foundries and manufacturers, we have been able to develop and distribute whole lines of specialized products.



PIPE FABRICATION

Pipe Fabrication and Specialty Products for the Water and Wastewater Industry

Quality Water Products has been manufacturing and distributing waterworks products throughout the Northeast since 1978. As a member of the National Association of Pipe Fabricators, we are third party inspected by The National Sanitation Foundation (N.S.F.) to ensure the highest quality workmanship and full compliance with ANSI/AWWA standards.

Estimating & Sales Department

Our veteran sales and estimating staff is a knowledgeable group with years of experience. We can provide a detailed item by item take-off for any size treatment plant or pump station, as well as assist you with technical help you may need along the way. We offer full sets of AutoCad drawings, color coded and piece marked for easy installation of the most complicated systems.



Fabrication & Machine Shop

In response to our growing need to expand the "Full Service Concept," Quality Water Products offers pipe fabrication and direct technical support. These services are available at our fabrication facility in South Barre, Mass. The QWP machine shop is geared specifically to produce all types of flanged and grooved pipe as well as drilling, tapping, welding and other diverse fabrications. QWP's fabrication facility is capable of handling pipe sizes from 3" to 60" in lengths up to 20 feet and can fabricate flanged ductile iron pipe to your exact requirements.

CASTINGS

Frames and Covers

QWP is the name behind successful products like the Pav-Loc frame, Quick Rise, EZ Rise and Lok-N-Rise covers, to name just a few.

Certain-Teed Line of Hinged Ductile Iron Manhole Frames Covers & Grates

QWP is an authorized Certain-Teed master-stocking distributor.



CASTINGS

A Complete Line of Valve and Service Boxes

Features both slide and screw type as well as the most complete selection of the various risers for all types of boxes including valve, service, Erie and roadway.

Meter Box Covers

QWP is one of the largest manufacturers of North American meter box covers and is also capable of producing piped meter pits for up to 2" meters, plus specialty pits such as our flush type hydrant pit.

A Complete Line of Products for the Growing Manhole Rehabilitation Business, Such As:

SealGuard Water Sealing Solution - SealGuard II is a highly reactive two-component hydrophobic polyurethane water stop system.

LADTECH HDPE Riser Rings - Ladtech, Inc. has revolutionized the underground industry by reinventing the manhole adjusting ring - offering a solution to the age-old problems associated with concrete manhole adjusting rings.

Warren Environmental liner systems - The Warren Environmental System of specialty 100% solids, zero V.O.C. epoxies have been used to rehabilitate and protect deteriorating infrastructure for over twenty years.

Hinged Manhole Frames And Covers - are designed to be ergonomically positive — that is, easy for one person to operate, with no special equipment necessary



More Products: Valve and Service Boxes, Risers and Covers, Lok-n-Rise Valve Box Covers, Service Box Repair Lids, Meter Pits & Covers and Highway Castings.



6" & 12" E-Z Rise



Fixed Risers



Slide Risers w/Dirt Shield



Telescoping Top Riser for 2 1/2" Service Box



Lok-n-Rise Valve Box Cover



Standard Valve Box Cover



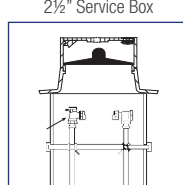
Service Box Covers



Service Box Foot Piece



Meter Pit Covers



Meter Pits



Erie Style Service Boxes



Valve Boxes



Inside & Outside Buffalo Box Repair Lids



Frames & Covers



Frames & Grates

PIPE O.D. CHART



WATER PIPE																					
Copper Tubing & Polyethylene (CTS)																					
Nominal Pipe Size (Inches)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36
Copper Tubing	0.625	0.875	1.125	1.375	1.625	2.125	2.625	3.125	4.125	5.125	6.125										
Polyethylene (CTS)	0.625	0.875	1.125	1.375	1.625	2.125															
Steel																					
Nominal Pipe Size (Inches)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36
Steel Pipe - Schedule 40 STD	0.84	1.05	1.315	1.66	1.90	2.375	2.875	3.50	4.50	5.563	6.625	8.625	10.75	12.75	14.00	16.00	18.00	20.00	24.00	30.00	36.00
PVC Plastic Pipe (Polyvinylchloride)																					
Sch 40 & 80 (ASTM D1785) SDR 21-41			1.32		1.90	2.38	2.88	3.50	4.50		6.63	8.63	10.75	12.75	14.00	16.00	18.00	20.00	24.00	30.00	36.00
AWWA C900 (4"-12"), C905 (14-48")									4.80		6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00	38.30
Cast/Ductile Iron																					
Nominal Pipe Size (Inches)						2		3	4		6	8	10	12	14	16	18	20	24	30	36
Class 100-250 AWWA Centrifugal								3.96	4.80		6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00	
Class A - B AWWA Pit Cast						2.50		3.80	4.80		6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	31.74	
Class C-D AWWA Pit Class								3.96	5.00		7.10	9.30	11.40	13.50	15.65	17.80	19.92	22.06	26.32		
All Classes - Ductile Iron/C-900								3.96	4.80		6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00	38.30
Polyethylene HDPE 3408 (High Density Polyethylene)																					
Nominal Pipe Size (Inches)	2	3	4	5	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
Polyethylene 3408 (IPS Size)	2.37	3.50	4.50	5.56	6.62	7.12	8.62	10.75	12.75	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00
HDPE 3408 - DI Pipe Size								3.96	4.80		6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00	38.30
Asbestos-Cement Class 150-200, Transite																					
Nominal Pipe Size (Inches)								3	4		6	8	10	12	14	16	18	20	24	30	36
Machined End								3.84	4.81		6.91	9.11	11.66	13.92	16.22	18.46	20.94	23.28	27.96		
Ring-Tite Rough Barrel								4.13	5.07		7.17	9.37	11.92	14.18	16.48	18.72					
Minimum Standard Rough Barrel									4.97		7.047	9.27	11.82	14.08	16.38	18.62	21.20	23.54	28.22		
Maximum Standard Rough Barrel									5.32		7.37	9.57	12.12	14.38	16.73	18.97	21.20	23.54	28.22		
SEWER PIPE																					
Nominal Pipe Size (Inches)					4	5	6	8	10	12	14	15	16	18	21	24	27	30	36	42	48
Asbestos-Cement Sewer																					
AC Class 1500					4.81	5.90	6.92	9.02	11.12	13.22	15.30	16.34	17.38								
AC Class 2400					4.87	5.97	6.98	9.04	11.16	13.26	15.36	16.42	17.46	19.54	21.66	25.78					
AC Class 3300					5.03	6.15	7.14	9.22	11.36	13.50	15.46	16.66	17.72	19.82	21.88	26.10		32.34			
AC Class 4000									11.50	13.64	15.78	16.84	17.90	20.02	22.10	26.32		32.60			
AC Class 5000									11.70	13.86	16.00	17.06	18.14	20.36	22.32	26.60		32.90			
ABS and Armco Truss																					
ABS-SDR 23.5 D-2751					4.21		6.27														
Armco Truss - D-2680								9.41	11.75	14.07		17.60									
PVC SDR 35																					
PVC SDR 35					4.21		6.27	8.40	10.50	12.50		15.30		18.70	22.05	24.80	27.95	32.00	38.30	44.50	50.80
Clay Pipe																					
Clay (average)					5.115	6.48	7.56	9.67	12.19	14.53		17.95		21.53	25.28	28.67	31.57	35.00			
PVC Schedule 40																					
PVC Schedule 40 ASTM D-1785					4.50		6.62	8.62	10.75	12.75											
Corrugated Polyethylene Drainage																					
Corrugated Polyethylene Drainage					4.72		6.95	9.16	11.31	14.45		17.65		21.10		28.30		36.10	42.25		
Concrete																					
Concrete (average)					6.00		8.00	10.25	12.75	15.50		18.75		22.00	25.50	29.00	32.25	35.50			



25 Town Farm Road | South Barre, MA 01074
800-288-4668 | Fax: 978-355-6140 | Email: southbarre@qwater.com | www.newconcepttools.com