

# KRAVITCH MACHINE COMPANY

## 2016 TOOL CATALOG

### CURB & VALVE KEYS & WRENCHES



**CLEANOUT TOOLS - DIGGING BARS - SLIDE HAMMER JACKHAMMER  
GATE VALVE EXTENSIONS - CURB STOP TOPS - VALVE NUTS  
TRN KEY - SECURITY DEVICES - ERGONOMIC BARHOLING ETC.**

**SPECIALTY TOOLS SUCH AS:  
CATHODIC PROTECTION TOOLS  
ALIGNMENT & REROUNDING TOOLS FOR PLASTIC PIPE**

**Ergonomic Valve Box Lid Lifter**



**Hand-held Alignment Clamp**



# TABLE OF CONTENTS

Description	Page Number
Curb Keys - Tee Handle	4
Curb Keys for Shifted Boxes	5
Curb Keys - Double Ended	6
Curb Box Wrenches - Pentagon	7
Curb Box Wrenches - Pentagon & Hayes Fork	8
Combination Keys - Curb Key + Pentagon + Hayes Fork	9
Combination Keys - Curb Key + Pentagon + Hayes Fork	10
Combination Keys - Curb Key + Pentagon + Hayes Fork	11
Combination Key - "Meter Pit Keys"	12
Gate Valve Keys - Tee Handle Models	13
Gate Valve Keys - Socket Options, Universal Key	14
Gate Valve Keys - Eye Operator Model	15
Gate Valve Keys - Sliding Handle Model	16
Gate Valve Keys - Telescoping Models	17
Gate Valve Extensions	18 - 19
Cleanout Tools - Augers, Spoons, Tongs, Grabber, Duckbill & Clamshell Cleanout	20-21
Slide Hammer Jackhammer	22
Splitting Wedges + Digging Bars + Hydrant Wrenches	23
Gate Valve Wrench + Wheel Valve Wrench + Security Device	24
Lid Lifter + Curb Stop Tops + Gate Valve Operator Nuts + Valve Box Lid Lifter	25
Barholing - Single Point Probe	26
Barholing - Purger	26
Barholing - Bar Puller	27
Barholing - Tee Probe Illustration	28
Barholing - Tee Probe	29
Plastic Pipe Tools - Hand-held Alignment Clamps	30
Plastic Pipe Tools - Single Size Alignment Clamps	31
Cathodic Protection Tools	32-34
TRN Key	35

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# NOTES

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# TEE HANDLE CURB KEYS



Tee Handle Curb Keys Standard Round Solid Shaft & Handle. Machined Slot.			
		<b>Curb Stop Extensions ROD TYPE</b>	<b>Fits Curb Stop Size 3/4 to 1"</b>
Length	Wt lbs	Tool Number	Tool Number
2'			CK00424
4 1/2'	10.00	CK00254	CK00454
5'	10.5	CK00260	CK00460
6'	12.0	CK00272	CK00472
7'	13.5		CK00484
8'	13.5		CK00496
10'			CK00410
12'			CK00412



Tee Handle Curb Keys Heavy Duty Round Solid Shaft & Handle. Machined Slot.			
		<b>Fits Curb Stop Size 1 1/4 - 2"</b>	
Length	Wt lbs	Tool Number	
4 1/2'	15.0	CK00754	
5'	16.0	CK00760	
6'	20.0	CK00772	
7'	21.0	CK00784	
8'	22.0	CK00796	

Curb Keys for 2" curb stops are larger in diameter to allow for the torque that is often necessary to turn the larger valves without twisting the curb key.

# CURB KEYS FOR SHIFTED CURB BOXES

Tee Handle Curb Keys Smaller Round Solid Shaft. Machined Slot.			
		<b>Curb Stop Extensions ROD TYPE</b>	<b>Fits Curb Stop Size 3/4 to 1"</b>
Length	Wt lbs	Tool Number	Tool Number
4 1/2'		CK00254A	CK00454A
5'		CK00260A	CK00460A
6'		CK00272A	CK00472A
7'			CK00484A
8'			CK00496A
10'			CK00410A
12'			CK00412A

This Key is smaller in diameter than the Standard Curb Key listed above. The purpose of this key is to allow flexing of the shaft to accommodate shifted curb boxes. This key is to be used specifically for slightly shifted boxes.

Flexible "Slinky" Curb Key Machined Slot			
		<b>Curb Stop Extensions ROD TYPE</b>	<b>Fits Curb Stop Size 3/4 to 1"</b>
Length	Wt lbs	Tool Number	Tool Number
4 1/2'	8.0	CKSS054	CKLS054
6'	10.0	CKSS072	CKLS072
7'	11.0	CKSS084	CKLS084
8'	13.0	CKSS096	CKLS096
9'	15.00	CKSS108	CKLS108
10'	17.0	CKSS120	CKLS120
12'	21.0	CKSS144	CKLS144

The Flexible "Slinky" Curb Key has a flexible shaft which follows the contour of a heavily shifted box. Once on the curb stop the Slinky remains rigid enough to operate the curb stop. ng up the balance of the length.



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# DOUBLE ENDED CURB KEYS



Double Ended Curb Keys Standard Round Solid Shaft & Handle. Machined Slot.			
		<b>Fits Curb Stop Sizes Rod Extension &amp; 3/4 to 1"</b>	<b>Fits Curb Stop Sizes 3/4 to 1" &amp; 1 1/4 to 2"</b>
Length	Wt lbs	Tool Number	Tool Number
5'	10.5	CK10460	CK11160
6'	12.0	CK10472	CK11172
7'	13.5	CK10484	CK11184
8'	13.5	CK10496	CK11196

The Double Ended Curb Key offers a different slot size at each end.

# CURB BOX WRENCHES



Meter Reader Curb Box Wrench  
Standard Pentagon  
Tool Number: CW00103

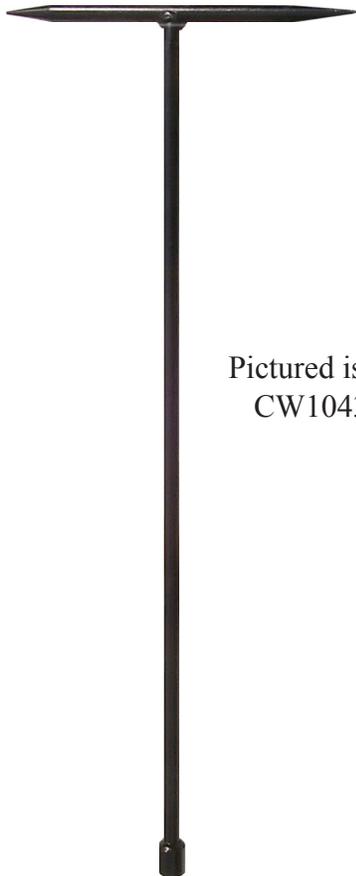
8" Pentagon Wrench  
Standard Pentagon

Tool Number: (with Point & Chisel on the Handle) CW10408 (pictured)

Tool Number: (with Point & Blunt on the Handle) CW10208



## OUR MOST POPULAR PENTAGON WRENCH



Pictured is the  
CW10436

Serviceman Model Curb Box Wrenches - <b>Standard Pentagon</b>			
		<b>Point-Blunt Handle</b>	<b>Point-Chisel Handle</b>
Length	Weight	Tool Number	Tool Number
12"	2.5	CW10212	CW10412
18"	3.5	CW10218	CW10418
24"	4.5	CW10224	CW10424
36"	7.0	CW10236	CW10436

Serviceman Model Curb Box Wrenches - <b>Large Pentagon</b>			
		<b>Point-Blunt Handle</b>	<b>Point-Chisel Handle</b>
Length	Weight	Tool Number	Tool Number
12"	2.5	CW20212	CW20412
18"	3.5	CW20218	CW20418
24"	4.5	CW20224	CW20424
36"	7.0	CW20236	CW20436

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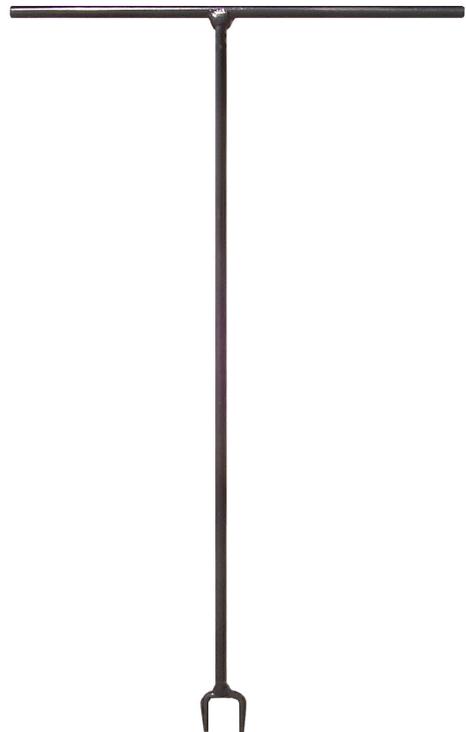
# CURB BOX WRENCHES



The Double Ended Curb Box Wrench.  
A standard Pentagon Socket at one end and a Large Pentagon  
Socket at the other end. Overall length: approx 6"

Tool Number (Blunt-Blunt Handle) CW60106 (pictured)  
Tool Number (Point-Chisel Handle) CW60406

The Super Hayes Fork Wrench  
Overall length: approx 36"  
Tool Number: CW30136



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# COMBINATION KEYS

## Pentagon Socket/Hayes Fork + Curb Slot



Style One Combination Key		
		Fits Curb Stop Extensions Rod Type
Length	Weight	Tool Number
3'	6.8	CB00236
4'	8.3	CB00248
4 1/2'	9.1	CB00254
5'	9.8	CB00260
6'	11.3	CB00272

The Style One Combo Key has an 18" Handle. At one end of the handle is a Pentagon Socket, at the other end is a Hayes Fork. The bottom of the key has a machined curb key slot for Rod Extensions.



Style Two Combination Key		
		Fits Curb Stop Extensions Rod Type
Length	Weight	Tool Number
3'	6.8	CB02236
4'	8.3	CB02248
4 1/2'	9.1	CB02254
5'	9.8	CB02260
6'	11.3	CB02272

The Style Two Combo Key has Hayes Fork on one end of the Handle and a Pry Bar at the other end of the Handle. The bottom of the key has a machined curb key slot for Rod Extensions.

# COMBINATION KEYS with Fixed Tee Handle Pentagon Socket/Hayes Fork + Curb Slot



Style 3A Combo Key			
Standard Round Solid Shaft. Fixed Tee Handle.			
Standard Pentagon Socket at the top and Machined Slot at the bottom.			
		<b>Curb Stop Extensions ROD TYPE</b>	<b>Fits Curb Stop Size 3/4 to 1"</b>
Length	Wt lbs	Tool Number	Tool Number
4 1/2'	10.2	CB10254	CB10454
5'	10.9	CB10260	CB10460
6'	12.4	CB10272	CB10472
8'	15.4		CB10496

The Style 3A Combination Key has a standard Pentagon Socket at the top of the key. Approximately 6" from the top is a fixed Tee Handle. At the bottom of the key is a machined Curb Key Slot. The length of the key is determined by the shaft under the fixed tee handle. For example, a 5' Style 3A Combo Key is approximately 5 1/2' overall length. There is 5' of shaft under the fixed tee handle.

Style 3B Combo Key			
Standard Round Solid Shaft. Fixed Tee Handle.			
Standard Hayes Fork at the top and Machined Slot at the bottom.			
		<b>Curb Stop Extensions ROD TYPE</b>	
Length	Wt lbs	Tool Number	
4 1/2'	10.2	CB14254	
5'	10.9	CB14260	
6'	12.4	CB14272	

The Style 3B Combination Key has a Hayes Fork at the top of the key. Approximately 6" from the top is a fixed Tee Handle. At the bottom of the key is a machined Curb Key Slot. The length of the key is determined by the shaft under the fixed tee handle. For example, a 5' Style 3B Combo Key is approximately 5 1/2' overall length. There is 5' of shaft under the fixed tee handle.



# COMBINATION KEYS with Sliding Handles Pentagon Socket/Hayes Fork + Curb Slot



Style 4A Combo Key Strong Tubular Shaft. Sliding Tee Handle. Standard Hayes Fork at the top and Machined Slot at the bottom.			
		Curb Stop Extensions ROD TYPE	
Length	Wt lbs	Tool Number	
4 1/2'	11.2	CB20154	
5'	11.9	CB20160	
6'	13.4	CB20172	

The Style 4A Combo Key has a Hayes Fork at the top of the key and a machined curb key slot at the bottom. A Sliding Handle glides up and down and can be locked into place anywhere along the length of the shaft.

Style 4B Combo Key Strong Tubular Shaft. Sliding Tee Handle. Standard Pentagon Socket at the top and Machined Slot at the bottom.			
		Curb Stop Extensions ROD TYPE	Fits Curb Stop Size 3/4 to 1"
Length	Wt lbs	Tool Number	Tool Number
4'	10.4	CB20248	CB20548
4 1/2'	11.2	CB20254	CB20554
5'	11.9	CB20260	CB20560
6'	13.4	CB20272	CB20572
8'	16.4	CB20296	CB20596

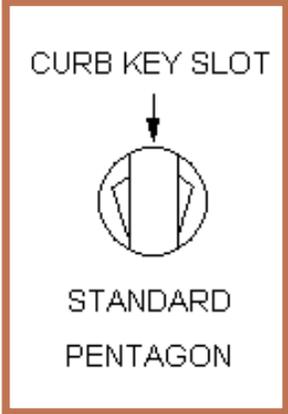
The Style 4B Combo Key has a standard Pentagon Socket at the top of the key and a machined Curb Key Slot at the bottom. A Sliding Handle glides up and down and can be locked into place anywhere along the length of the shaft.

# COMBINATION KEYS “METER PIT KEY”



Style 5A Combo - “Curlique Meter Pit Key” Curlique Handle on top. Multi-functional Machined Socket.		
		Operates Curb Stop Size 3/4” to 1”
Length	Wt lbs	Tool Number
12”	3.0	CB22112
18”	3.8	CB22118
24”	4.5	CB22124
30”	4.9	CB22130
36”	5.3	CB22136

The Curlique Meter Pit Key loosens the Pentagon bolt, lifts the curb box lid and operates the curb stop. Kravitch Machine Company’s socket is machined from solid steel, never cast. Out lasts and out performs cast sockets.



Style 5B Combo - “Straight Handle Meter Pit Key” Tee Handle on top. Multi-functional Machined Socket.		
		Operates Curb Stop Size 3/4” to 1”
Length	Wt lbs	Tool Number
12”	3.0	CB22212
18”	3.8	CB22218
24”	4.5	CB22224
30”	4.9	CB22230
36”	5.3	CB22236

The Straight Handle Meter Pit Key loosens the Pentagon bolt, lifts the curb box lid and operates the curb stop. Kravitch Machine Company’s socket is machined from solid steel, never cast. Out lasts and out performs cast sockets.

# GATE VALVE KEYS TEE HANDLE MODELS



Tee Handle Gate Key <b>Round Tubing Shank</b> - Fixed Open Socket		
Length	Wt - lbs	Tool Number
4'	13.7	GK00148
5'	15.4	GK00160
6'	17.1	GK00172
7'	18.8	GK00184
8'	20.5	GK00196
10'		GK00110
12'		GK00112

### OUR MOST POPULAR GATE KEY

Kravitch Machine Company's Standard Tubing Gate Key is stronger than most keys on the market. It is strong enough to turn most valves.



Tee Handle Gate Key <b>Round Solid Shank</b>		
Fixed Open Socket		
Length	Wt-lbs	Tool Number
4'	20.7	GK00748
5'	23.4	GK00760
6'	26.0	GK00772
7'	28.7	GK00784
8'	31.4	GK00796
10'		GK00710
12'		GK00712

# GATE VALVE KEYS SOCKET END OPTIONS



**FIXED OPEN**



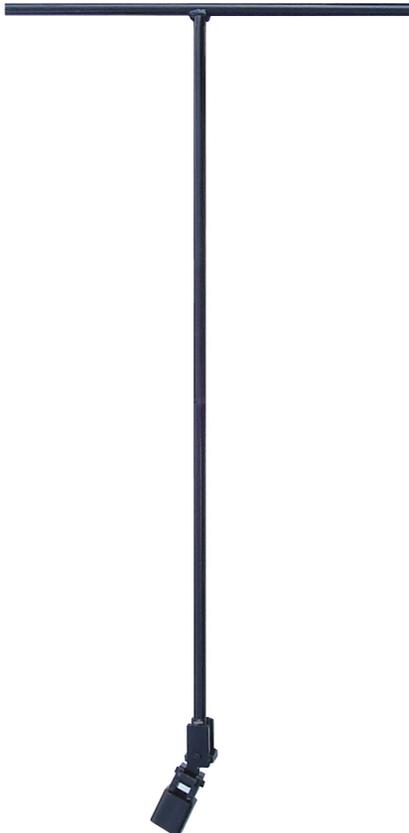
**UNIVERSAL JOINT  
OPTION**



**2" HEXAGON  
SOCKET**

**FIXED OPEN SOCKET** permits the flow of water and debris through the socket. The Fixed Open Socket is the beefiest valve key socket on the market.

**Universal Joint Option** oscillates up to 20 degrees and allows a repeated 360 degree rotation without removing the key from the valve. It also permits the flow of water and debris through the socket.



Tee Handle Gate Key			
		Universal Joint Socket Pictured at left	
Length	Wt-lbs	Tool Number	
4'	22.7	GK00848	
5'	25.4	GK00860	
6'	28.0	GK00872	
7'	30.7	GK00884	
8'	33.4	GK00896	

Pictured at left is a Tee Handle Gate Key with a solid shank and universal joint socket.

# GATE VALVE KEYS EYE OPERATOR MODELS



Eye Operator Gate Key <b>Round Tubing Shaft - Fixed Open Socket</b>		
Length	Wt-lbs	Tool Number
5'	12.0	GK40960
6'	14.0	GK40972
7'	16.0	GK40984
8'	18.0	GK40996
10'	22.0	GK40910

Handle Options Sold Separately		
Description	Wt-lbs	Tool Number
L Handle	6.0	LH00130
Tommy Bar	6.0	TB00136

L HANDLE

TOMMY BAR



Eye Operator Gate Key <b>Round Solid Shank - Fixed Open</b>			
Length	Wt-lbs	Fixed Open Socket	
5'	17.5	GK41460	
6'	21.0	GK41472	
7'	24.5	GK41484	
8'	28.0	GK41496	

Handle Options Sold Separately		
Description	Wt-lbs	Tool Number
L Handle	6.0	LH00130
Tommy Bar	6.0	TB00136



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# GATE VALVE KEYS SLIDING HANDLE MODEL WITH EXTENSIONS



Sliding Handle Gate Key			
The Sliding Handle glides along the shaft and can be locked into any position along the shaft of the key. The Sliding Handle can also be removed completely for easy storage. Sliding Handle is included.			
		Fixed Open Socket Pictured at left	
Length	Wt-lbs	Tool Number	
5'	20.2	GK20260S	
6'	23.6	GK20272S	
7'	27.0	GK20284S	
8'	30.4	GK20296S	

Extensions for the Sliding Tee Handle Gate Key					
Extensions can be added to the top of the Sliding Handle Gate Key to add length. They can also be added to each other additional length					
Length	Wt-lbs	Tool Number	Length	Wt-lbs	Tool Number
1'	5.4	EXT5112	5'	19.0	EXT5160
2'	8.8	EXT5124	6'	22.4	EXT5172
3'	12.2	EXT5136	7'	25.8	EXT5184
4'	15.6	EXT5148	8'	29.2	EXT5196



# GATE VALVE KEYS TELESCOPING MODELS



Telescoping <b>Eye</b> Operator Gate Key with L Handle				
		Fixed Open Socket Pictured at left		
Closed	Open	Wt-lbs	Tool Number	
4'	7'	32.0	GK50248	
5'	9'	34.2	GK50260	
6'	11'	40.4	GK50272	
7'	13'	46.6	GK50284	
8'	15'	52.8	GK50296	

The shank length of the Telescoping Eye Operator Gate Key is adjustable by sliding the outer tube up and down along the length of the inner core, and secured through incrementally drilled holes along the length of the shank.

Telescoping <b>Tee</b> Operator Gate Key				
		Fixed Open Socket		
Closed	Open	Wt-lbs	Tool Number	
4'	7'	38.7	GK51248	
5'	9'	40.9	GK51260	
6'	11'	47.1	GK51272	
7'	13'	53.3	GK51284	
8'	15'	60.0	GK51296	

The shank length of the Telescoping Tee Handle Gate Key is adjustable by sliding the outer tube up and down along the length of the inner core, and secured through incrementally drilled holes along the length of the shank.

# GATE VALVE EXTENSIONS

Gate Valve Extension - Standard Duty					
Length	Wt lbs	Tool Number	Length	Wt lbs	Tool Number
1'	5.4	GVEN011	6'	16.4	GVEN016
2'	7.6	GVEN012	7'	18.4	GVEN017
3'	9.8	GVEN013	8'	20.4	GVEN018
4'	12.0	GVEN014	9'	22.4	GVEN019
5'	14.2	GVEN015	10'	24.4	GVEN0110

Gate Valve Extension - Heavy Duty - Fixed Open Socket					
Length	Wt lbs	Tool Number	Length	Wt lbs	Tool Number
1'	8.4	GVEN021	6'	25.4	GVEN026
2'	11.8	GVEN022	7'	28.8	GVEN027
3'	15.2	GVEN023	8'	32.2	GVEN028
4'	18.6	GVEN024	9'	35.6	GVEN029
5'	22.0	GVEN025	10'	39.0	GVEN0210

Our most popular Gate Valve Extensions and Most Recommended



Gate Valve Extension - Heavy Duty - Universal Joint Socket					
Length	Wt lbs	Tool Number	Length	Wt lbs	Tool Number
1'	8.4	GVEN031	6'	25.4	GVEN036
2'	11.8	GVEN032	7'	28.8	GVEN037
3'	15.2	GVEN033	8'	32.2	GVEN038
4'	18.6	GVEN034	9'	35.6	GVEN039
5'	22.0	GVEN035	10'	39.0	GVEN0310

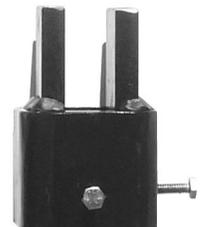
# GATE VALVE EXTENSIONS



Telescoping Gate Valve Extension				
Length		Wt lbs	Fixed Open Socket	
Closed	Open		Tool Number	
3'	5'	21.0	GVEC053	
4'	7'	28.0	GVEC054	
5'	9'	35.0	GVEC055	
6'	10'	42.0	GVEC056	
7'	13'	49.0	GVEC057	
8'	15'	56.0	GVEC058	



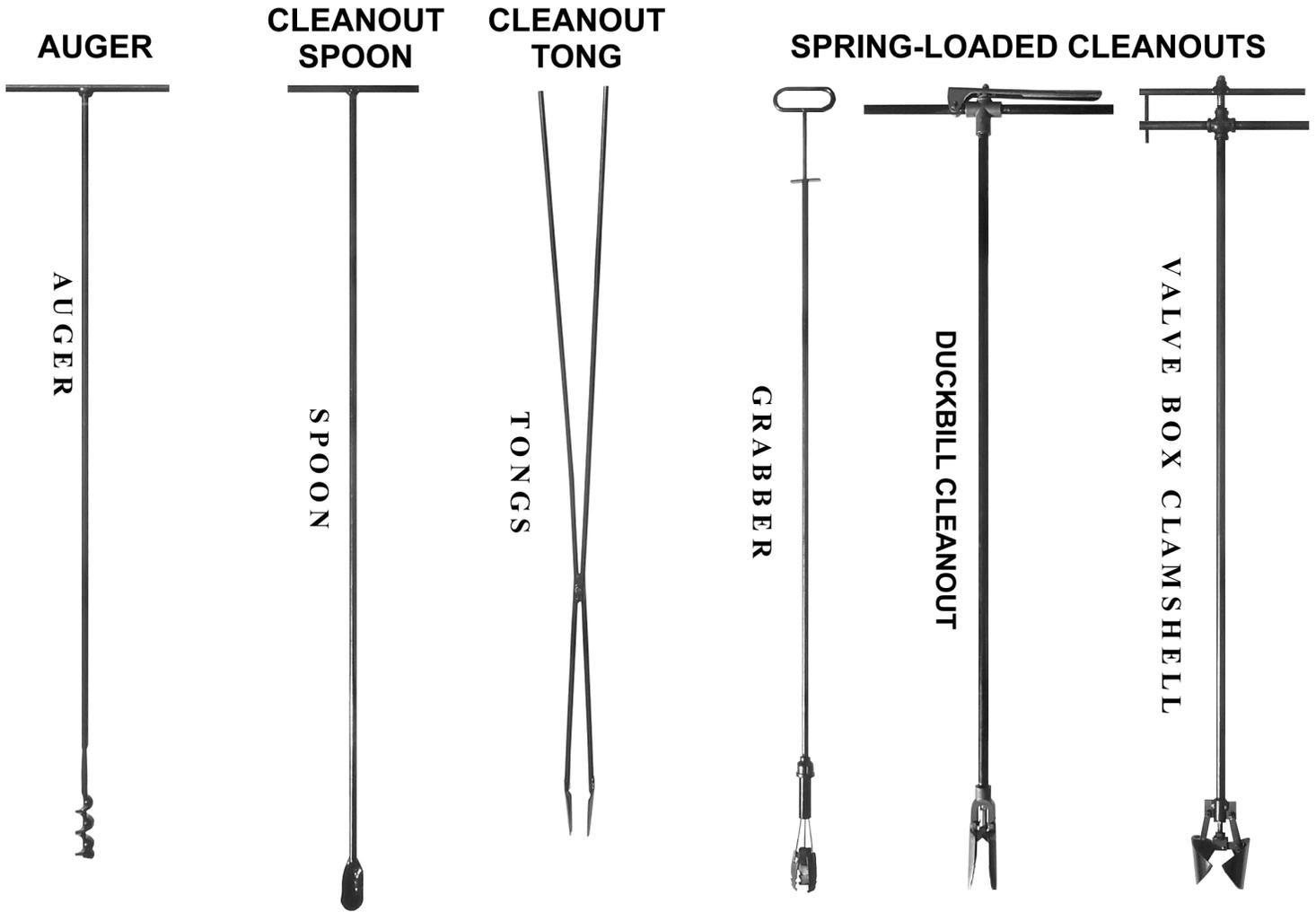
Gate Valve Extension Kit					
Material	Kit for 1" Round Shank	Kit for 1" Sq Shank	Kit for 1" Pipe Shank	Kit for 1 1/4" Pipe Shank	Generic Kit
Steel	GVEK211	GVEK221	GVEK231	GVEK241	GVEK251
Stainless Steel	GVEK212	GVEK222	GVEK232	GVEK242	GVEK252



**19 KRAVITCH UTILITY TOOLS**

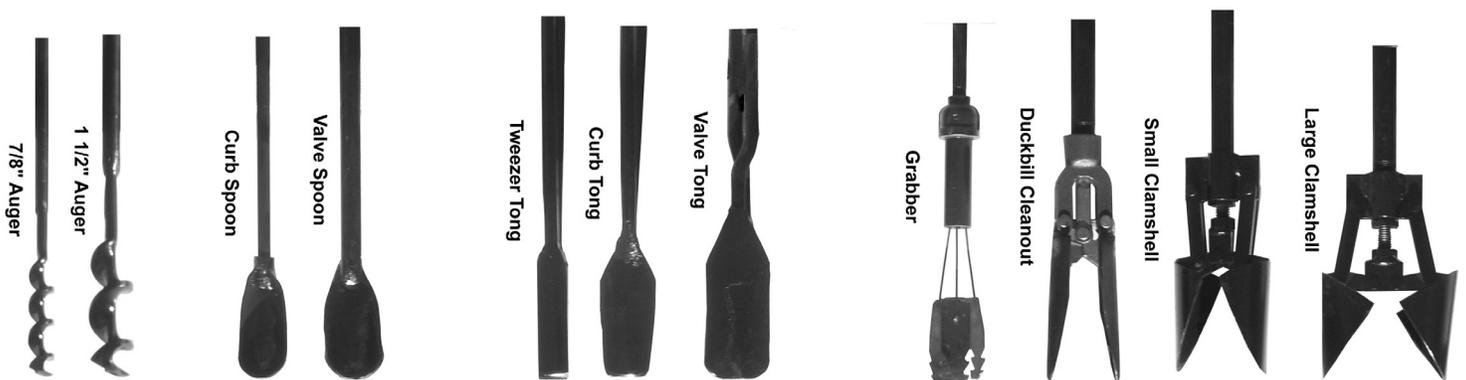
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# CLEANOUT TOOLS



Kravitch Machine Company manufactures industrial-quality cleanout tools. These cleanout tools remove stones, dirt and debris from curb & valve boxes.

## CLEANOUT TOOL END OPTIONS



## KRAVITCH UTILITY TOOLS 20

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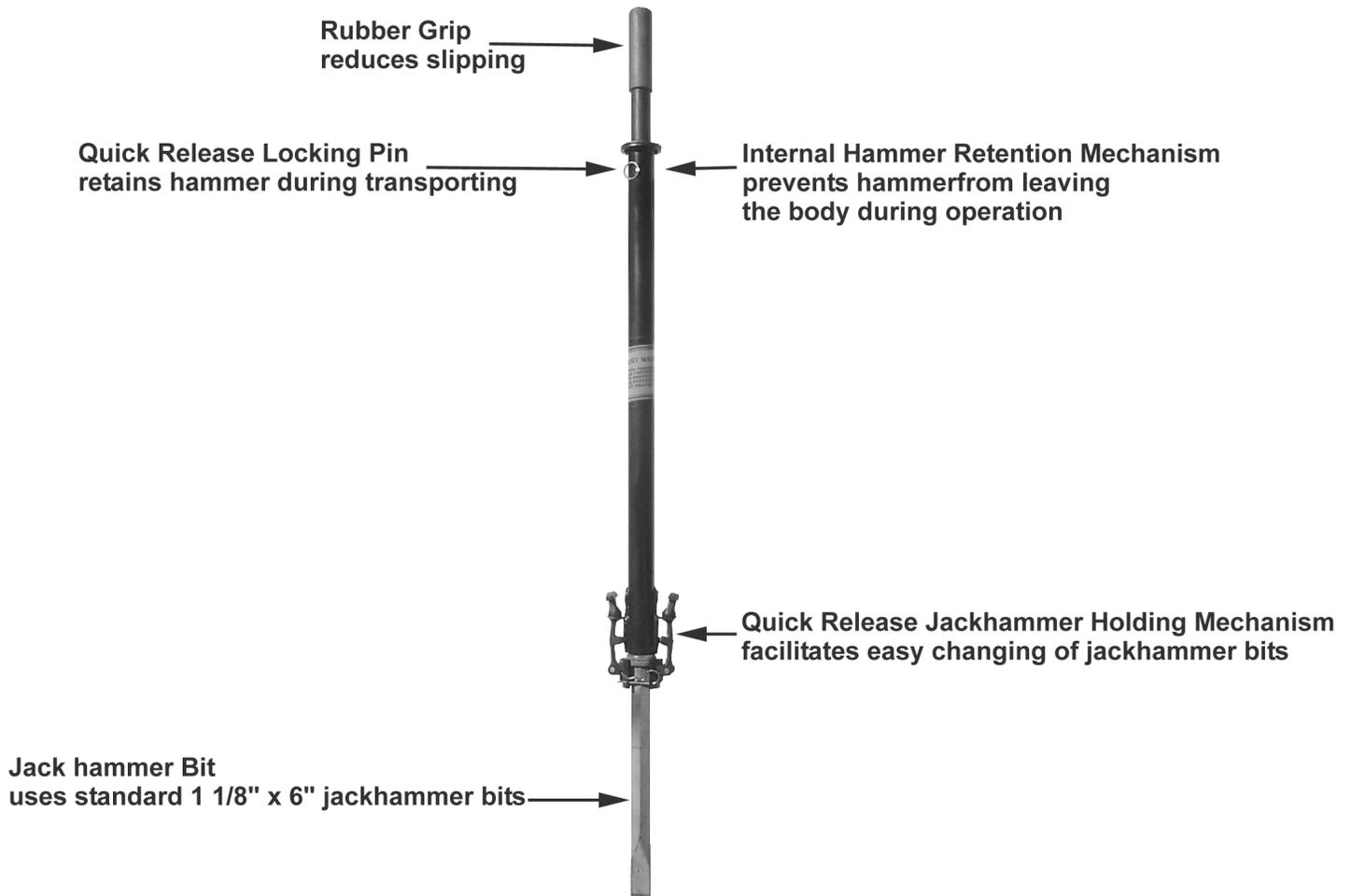
# CLEANOUT TOOLS

CURB & VALVE BOX CLEANOUT TOOLS			
Tool Description	Length	Wt lbs	Tool Number
<b>Auger, 7/8" diameter bit</b>	3'	2.7	CT10136
	4'	3.4	CT10148
	5'	4.1	CT10160
	6'	4.8	CT10172
<b>Auger, 1 1/2" diameter bit</b>	3'	6.0	CT10236
	4'	7.5	CT10248
	5'	9.0	CT10260
	6'	10.5	CT10272
<b>Curb Spoon - useful for curb boxes &amp; valve boxes</b>	5'	9.0	CT10360
	6'	10.0	CT10372
	7'	11.0	CT10384
	8'	12.0	CT10396
<b>Valve Spoon - used for valve boxes only</b>	5'	9.0	CT11260
	6'	10.0	CT11272
	7'	11.0	CT11284
	8'	12.0	CT11296
<b>Curb Tong - useful for curb boxes &amp; valve boxes</b>	5'	9.0	CT10460
	6'	10.0	CT10472
	7'	11.0	CT10484
	8'	12.0	CT10496
<b>Valve Tong - used for valve boxes only</b>	6'	10.0	CT11172
	7'	11.0	CT11184
	8'	12.0	CT11196
<b>Tweezer Tong - useful for curb boxes &amp; valve boxes</b>	5'	9.0	CT10560
	6'	10.0	CT10572
	7'	11.0	CT10584
	8'	12.0	CT10596
<b>Duckbill Cleanout Tool - useful for curb boxes &amp; valve boxes</b>	5'	9.0	CT10660
	6'	10.0	CT10672
	7'	11.0	CT10684
	8'	12.0	CT10696
<b>Small Clamshell Cleanout Tool - used for valve boxes only</b>	5'	9.0	CT11060
	6'	10.0	CT11072
	7'	11.0	CT11084
	8'	12.0	CT11096
<b>Large Clamshell Cleanout Tool - used for valve boxes only</b>	5'	9.0	CT10960
	6'	10.0	CT10972
	7'	11.0	CT10984
	8'	12.0	CT10996
<b>Grabber - useful for curb boxes &amp; valve boxes</b>	5'	4.0	CT10760
	6'	5.0	CT10772
	7'	6.0	CT10784
	8'	7.0	CT10796

## 21 KRAVITCH UTILITY TOOLS

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# SLIDE HAMMER JACKHAMMER



Slide Hammer Jackhammer		
Description	Wt lbs	Tool Number
Slide Hammer Jackhammer with Narrow Chisel Bit	25.0	SHJH02
Slide Hammer Jackhammer with NO BIT	20.0	SHJH01
Replacement Parts		
Narrow Chisel, 1 1/8" x 6"		SHJHBIT18
Narrow Chisel, 1 1/8" x 48"		SHJHBIT48
Grip	1.0	SH00021
Top Washer	1.0	SH00022
Top Washer Bolt	1.0	SH00023
Hammer Retaining Pin	1.0	SH00024
Bit Holder Unit (Complete)	3.0	SH00025
Latch (Rubber)	1.0	SH00026
Latch Hardware (Pin & Cotter Pin)	1.0	SH00027
Bit Retaining Cotter Pin	1.0	SH00028

# SPLITTING WEDGES / DIGGING BARS/ HYDRANT WRENCHES

Splitting Wedges - Rectangular		
Description	Wt lbs	Tool Number
1 1/2" x 1" x 8" Splitting Wedge	3.4	WG02108
2" x 1" x 1 1/8" Splitting Wedge	4.2	WG02208
3" x 1" x 8" Splitting Wedge	5.1	WG02308



Digging Bars		
Length	Wt lbs	Tool Number
2'	8.0	DB00124
2 1/2' Pictured, far left	10.0	DB00130
3'	11.0	DB00136
4'	14.0	DB00148
5' Pictured, near left	17.0	DB00160
6'	20.0	DB00172
7'	23.0	DB00184
8'	26.0	DB00196

Digging Bars are manufactured with a strong steel shank. The Kravitch Digging Bar has a specially hardened cutting edge that out performs and out lasts off the shelf digging bars. In addition, the top of the Digging Bar can be used to tamp the ground.



**Standard Duty Double Ended Large Pent + Sq Socket**



**Heavy Duty with Pentagon Socket**

Hydrant Wrenches		
Tool Description	Wt lbs	Tool Number
Heavy Duty with Pentagon Socket - Small Socket (1 1/8") at one end	12.0	HR00118
Heavy Duty with Pentagon Socket - Large Socket (1 7/16") at one end	12.0	HR00218
Heavy Duty with Square Socket (1 1/8") at one end	12.0	HR00318
Heavy Duty Double Ended with a Small Pentagon + Square Socket	15.0	HR00618
Standard Duty Double Ended with a Large Pentagon + Square Socket	8.0	HR00918
Heavy Duty Double Ended with a Large Pentagon + Square Socket	15.0	HR00718
Heavy Duty Double Ended with a Small Pentagon + Large Pentagon	15.0	HR00418

# GATE VALVE WRENCH / WHEEL VALVE WRENCH / SECURITY DEVICES



**STANDARD SPEED WRENCH**



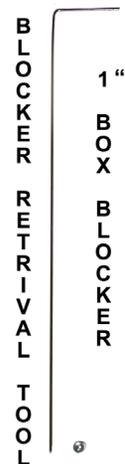
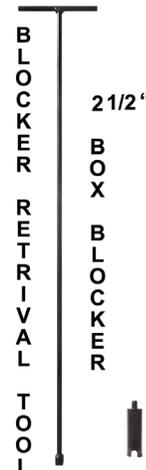
**STANDARD BOX WRENCH**

Gate Valve Turning Wrench			
		Box Wrench	Speed Wrench
Handle Length	Wt lbs	Tool Number	Tool Number
15"	4.9	GVBW015	GVSW015
18"	5.3	GVBW018	GVSW018
24"	6.0	GVBW024	GVSW024



Wheel Valve Wrench		
Length	Wt lbs	Tool Number
4'	8.3	WVW0148
5'	9.8	WVW0160
6'	11.3	WVW0172
8'	12.8	WVW0196

Security Devices for Curb Boxes		
Tool Description	Wt lbs	Tool Number
1" Blocker	1.0	SD01100
1" Removal Tool	1.0	SD2100
2 1/2" Blocker	5.0	SD01212
2 1/2" Removal Tool	8.0	SD11212



# LID LIFTER / CURB STOP TOPS / GATE VALVE OPERATOR NUTS

The Heavy Duty Lid Lifter is approx 3' in length.  
 The handle is perpendicular to the hook.  
 Tool Number: LLT0236



Curb Stop Tops		
Description	Wt lbs	Tool Number
Small Curb Stop Top, 3/8" "Yellow"		CST3800
Medium Curb Stop Top, 1/2" "Black"		CST1200
Large Curb Stop Top, 5/8" "Red"		CST5800

Gate Valve Operator Nuts		
Description	Wt lbs	Tool Number
#12 Valve Nut	2.0	VALNUT12
#13 Valve Nut	2.0	VALNUT13
#15 Valve Nut	2.0	VALNUT15
#16 Valve Nut	2.0	VALNUT16
Valve Nut Kit - 1 of each size	8.0	VALNUTKIT



Valve Box Lid Lifter  
 Tool Number: VBL000

# ERGONOMIC BARHOLING - SINGLE POINT PROBE & PURGER



## STEP ONE

Drive Single Point Probe into the ground to desired depth.

Single Point Probe Bars					
		5/8" dia	5/8" dia with Pounding Pad	1" dia	1" dia with Pounding Pad
Length	Wt lbs	Tool Number	Tool Number	Tool Number	Tool Number
4'		PBS5848	PBS5848PP	PBS1048	PBS1048PP
5'		PBS5860	PBS5860PP	PBS1060	PBS1060PP
6'		PBS5872	PBS5872PP	PBS1072	PBS1072PP
7'		PBS5884	PBS5884PP	PBS1084	PBS1084PP
8'		PBS5896	PBS5896PP	PBS1096	PBS1096PP

The Probe Bar pictured at left is a 5' Single Point Probe that is 1" in diameter and includes a Pounding Pad on top.

To ergonomically remove the Single Point Probe once it has been driven into the ground, see Bar Pullers on the next page.



Purgers					
		3/8" dia Steel	3/8" dia Stainless Steel	1/2" dia Steel	1/2" dia Stainless Steel
Length	Wt lbs	Tool Number	Tool Number	Tool Number	Tool Number
3'		PURG3836	PURG3836SS	PURG1236	PURG1236SS
4'		PURG3848	PURG3848SS	PURG1248	PURG1248SS
5'		PURG3860	PURG3860SS	PURG1260	PURG1260SS
6'		PURG3872	PURG3872SS	PURG1272	PURG1272SS
7'		PURG3884	PURG3884SS	PURG1284	PURG1284SS

The Purger is used to extract gas from the ground through Bar Holes. This unit will also extract water out of curb boxes. Purgers are available in 3/8" and 1/2" diameter steel or stainless steel.

# ERGONOMIC BARHOLING - BAR PULLERS



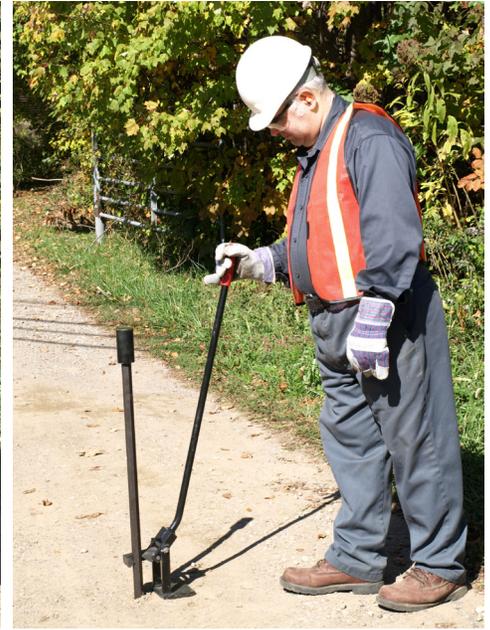
## STEP TWO

Affix the bar puller onto the Single Point Probe Bar. Be sure the handle is positioned along side of the Probe bar. Place your foot on the footpad.



## STEP THREE

Begin stroking the handle back and forth. Short strokes are all that are required to pull the bar steadily upward.



## STEP FOUR

IT IS NOT NECESSARY TO BEND YOUR KNEES OR SQUAT DOWN AND PUSH THE HANDLE BACKWARD TOWARD THE GROUND. Continue short strokes while standing until the bar comes to the surface and can be removed by hand.



Bar Pullers					
Description	Wt lbs	Tool Number	Description	Wt lbs	Tool Number
The Mini Bar Puller	6.0	BP20312	1/2" Block (for Bar Puller not Mini)	2.0	BPB0212
Bar Puller with 5/8" Block	12.0	BP20258	5/8" Block	2.0	BPB0258
Bar Puller with 3/4" Block	12.0	BP20234	3/4" Block	2.0	BPB0234
Bar Puller with 1" Block	12.0	BP20210	1" Block	2.0	BPB0210
Bar Puller with 1 1/8" Block	12.0	BP20218	1 1/8" Block	2.0	BPB0218
Bar Puller with 1 1/4" Block	12.0	BP20214	1 1/4" Block	2.0	BPB0214

The Mini Bar Puller is used to extract 1/2" diameter bars such as those used in Plunger Bars.

Bar Pullers are used to extract bars of any shape (round, hexagon, square etc.) from 7/16-1 1/4" section size. One Bar Puller will do all these sizes by changing out the Bar Puller Block.

**27 KRAVITCH UTILITY TOOLS**

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# ERGONOMIC BARHOLING - TEE PROBE BARS



Tee Probe driven into the ground with a small sledge hammer.



Drive Tee Probe a short distance into the ground and then rotate it. This will produce a round hole and facilitate bar extraction.



Drive the bar deeper into the ground.



Rotate the Tee Probe.



Repeat driving in the bar and rotating until reaching the desired depth.



Rotate the Tee Probe which will free up the Tee Probe in the ground.



With the Tee Probe loose in the ground, pull up on the Tee Handle. The Tee Probe will come out easily.



Tee Probe is completely removed from the ground.

# ERGONOMIC BARHOLING - TEE PROBE BARS

Tee Probes Bars						
		7/16" diameter	7/16 diameter with Pounding Pad & Grips		5/8" diameter	5/8" diameter with Pounding Pad & Grips
Length	Wt lbs	Tool Number	Tool Number	Wt lbs	Tool Number	Tool Number
3'	5.0	PBT7637	PBT7636PPGG	6.5	PBT5836	PBT5836PPGG
4'	5.6	PBT7648	PBT7648PPGG	7.6	PBT5848	PBT5848PPGG
5'	6.1	PBT7660	PBT7660PPGG	8.8	PBT5860	PBT5860PPGG
6'	6.7	PBT7672	PBT7672PPGG	10.0	PBT5872	PBT5872PPGG
7'	7.3	PBT7684	PBT7684PPGG	11.2	PBT5884	PBT5884PPGG
8'	7.9	PBT7696	PBT7696PPGG	12.3	PBT5896	PBT5896PPGG

TEE PROBE



TEE PROBE WITH  
POUNGING PAD & GRIPS



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# HAND-HELD ALIGNMENT CLAMPS



**CLOSED**



**OPEN**

Hand-held Alignment Clamp					
Single Size Clamps - both pipes same size			Hybrid Clamps - connected pipes are two different sizes		
Pipe Size	Wt lbs	Tool Number	Pipe Size	Wt lbs	Tool Number
1/4" CTS	3.0	AH014CT	1/2" CTS x 1/2" IPS	3.0	AH12C12I
3/8" CTS	3.0	AH038CT	1/2" CTS x 3/4" IPS	3.0	AH12C34I
1/2" CTS	3.0	AH012CT	1/2" CTS x 1" CTS	3.0	AH12C10C
5/8" CTS	3.0	AH058CT	1/2" CTS x 1" IPS	6.0	AH12C10I
3/4" CTS	3.0	AH034CT	3/4" CTS x 1" CTS	3.0	AH34C10C
1" CTS	3.0	AH100CT	1" CTS x 1/2" IPS	3.0	AH10C12I
1 1/4" CTS	6.0	AH114CT	1" CTS x 3/4" IPS	3.0	AH10C34I
1 1/2" CTS	6.0	AH112CT	1" CTS x 1" IPS	6.0	AH10C10I
2" CTS	6.0	AH200CT	1" CTS x 1 1/4" IPS	6.0	AH10C114I
1/4" IPS	3.0	AH014IP	1" CTS x 2" IPS	9.0	AH10C20I
3/8" IPS	3.0	AH038IP	1 1/4" CTS x 1 1/4" IPS	6.0	AH114C114I
1/2" IPS	3.0	AH012IP			
3/4" IPS	3.0	AH034IP	3/4" IPS x 1" IPS	6.0	AH34I10I
1" IPS	6.0	AH100IP	1 1/4" IPS x 2" IPS	9.0	AH114I20I
1 1/4" IPS	6.0	AH114IP			
1 1/2" IPS	9.0	AH112IP			
2" IPS	9.0	AH200IP			

The Hand-held Alignment Clamp is used to hold two pieces of pipe and a coupling together while fusing the coupling and the pipe together. We offer the Hand-held Alignment Clamp in two styles. The two pipes are the same size for the Single Size Hand-held Alignment Clamp. The Hybrid Clamp is used when two different pipe sizes are being fused.

# SINGLE SIZE ALIGNMENT CLAMP / REROUND TOOL



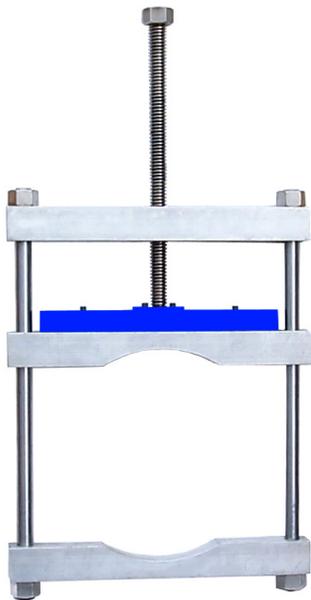
Single Size Alignment Clamp		
Pipe Size	Wt lbs	Tool Number
1 1/4" IPS	10.0	AF114IPS
1 1/2" IPS	10.0	AF112IPS
2" IPS	10.0	AF02IPS
3" IPS	15.0	AF03IPS
4" IPS	22.6	AF04IPS
6" IPS	39.5	AF06IPS
8" IPS	46.7	AF08IPS
4" DIP	22.6	AF04DIP
6" DIP	39.5	AF06DIP
8" DIP	46.7	AF08DIP

Each heavy duty single size alignment clamp listed above aligns one size.

Double Size Alignment Clamp		
Pipe Size	Wt lbs	Tool Number
1 1/4" IPS		AFD114IPS
1 1/2" IPS		AFD112IPS
2" IPS		AFD02IPS
3" IPS		AFD03IPS
4" IPS		AFD04IPS
6" IPS		AFD06IPS
8" IPS		AFD08IPS
4" DIP		AFD04DIP
6" DIP		AFD06DIP
8" DIP		AFD08DIP

Each heavy duty double size alignment clamp listed above aligns one size.

## REROUND TOOL



Reround Tool		
Pipe Sizes	Wt lbs	Tool Number
6" to 12" IPS & DIP	55	RRT0812
12" to 20" IPS & DIP	85	RRT1220
20" to 28" IPS & DIP	110	RRT2028

The Reround Tool resizes polyethylene pipe back to the original roundness. The Reround Tool reshapes the polyethylene pipe enabling a fusion coupling to be attached. Three Reround Tool models are available. Each model is adjustable enabling it to reround different sizes. Above is a list of the three models and the sizes each is able to resize.

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# CATHODIC PROTECTION

Perform Cathodic Protection safely to steel and cast iron pipe by applying an anode from a distance. Utilizing Kravitch Keyhole Tools, this procedure can be performed in a conventional dug hole or through a keyhole.

This procedure utilizes a Pike as the central piece. The Pike is stocked from 2 - 8' in length and can be easily coupled together for any length. On the top of the Pike, an Erico Igniter is attached. On the bottom of the Pike, an Erico mold is attached into which a charge is placed. A wire attaches the Igniter on the top of the Pike to the mold on the bottom of the Pike to supply the current to apply the anode to the pipe.

Once the anode is attached to the pipe, a patch pad (Trenton, Handi-Cap, Thermoweld) can be easily applied over top of the anode utilizing a Pike, Patch Pad Applicator and Finishing Tool.

# CATHODIC PROTECTION



**CADWELD® IGNITER ADAPTER** Patented  
KMC employs the Erico® Cadweld® Plus System to install exothermically welded connections through the keyhole.

Tool Description	Tool Number
Igniter with 6' Cord (uses 5' Standard Mechanical Pike)	KHIG072
Igniter with 15' Cord (uses up to 14' of Standard Mechanical Pike)	KHIG180



**CADWELD® MOLD ADAPTER** Patented  
KMC employs the Erico® Cadweld® Plus System to install exothermically welded connections through the keyhole. Other Molds available for other Material such as Cast Iron.

Tool Description	Tool Number
Steel Pipe Mold 3/4" - 3 1/2" Diameter Pipe	KHMOL01
Steel Pipe Mold 4"+ Diameter Pipe	KHMOL02

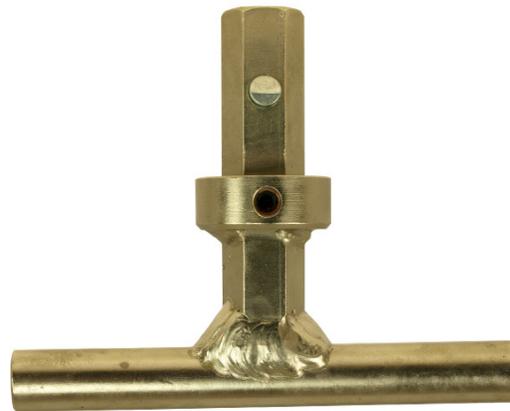
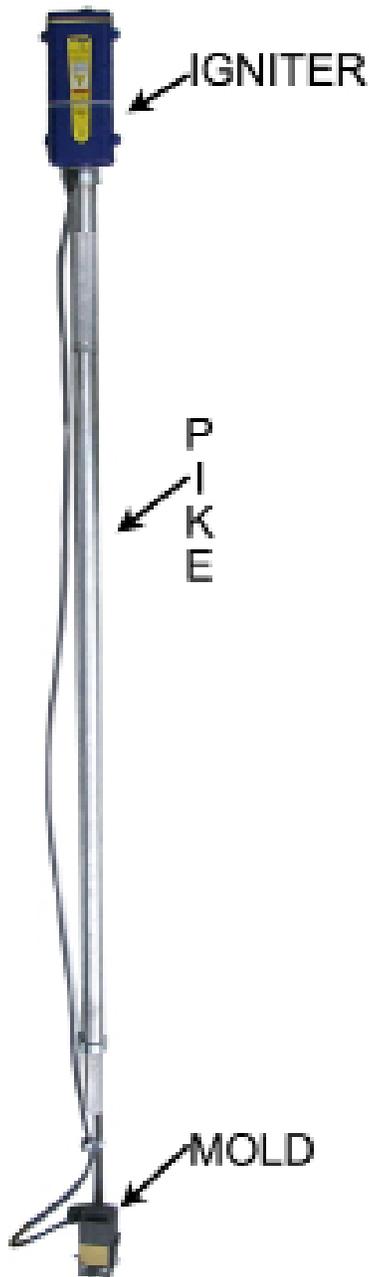


**CADWELD® ACCESSORIES**  
Charges for steel pipe. Other Charges available for pipe materials such as cast iron .

Tool Description	Tool Number
20-Pack Charges CA15PLUS33	KHCWP15
Mold Cleaner Brush	KHMOLB1
Mold Cleaner Scraper	KHMOLS1



# CATHODIC PROTECTION



## PATCH PAD INSTALLATION AND FINISHING ADAPTERS

Patented

Tool Description	Tool Number
Trenton Patch Pad Installation Adapter (Shown)	KHPPA01
Handi Cap Patch Pad Installation Adapter (not shown)	KHPPA02
Patch Pad Finishing Tool Adapter (Shown)	KHPFT01

# THE TRN KEY - A FIRST RESPONDER TOOL

The TRN Key operates most gate valves with rounded nuts. The TRN Key is used by first-responders in emergency shutdown situations. The TRN Key Socket is made up of interjaws which grip the rounded valve nut and an outer shell which is driven over the inner jaws locking them to the valve nut. The valve is then able to be turned. TRN Key patent number 7,311,020.

The TRN KEY		
Length	Weight	Tool Number
5'		TRNKEY5
6'		TRNKEY6
7'		TRNKEY7
8'		TRNKEY8
9'		TRNKEY9
10'		TRNKEY10

