FULL-LINE PRODUCT CATALOG

WATERWORKS SPECIALTY PRODUCTS













Images above and on back cover are from our LinkedIn® page.



Call our Sales Team at . . . 828.477.4601

KEYS AND TOOLS

CURB AND VALVE BOX PRODUCTS

JOINT RESTRAINT PRODUCTS

PRODUCTS FOR CORROSIVE SOILS

METER BOX AND MANHOLE LIDS,
COUPLINGS AND FLANGES

VALVE POSITION INDICATORS

TREATMENT PLANT PRODUCTS
AND ACCESSORIES

HYDRANT PARTS AND
ACCESSORIES

PRODUCTS FOR THE WIRTH

SPECIALTY PRODUCTS FOR THE WATERWORKS AND VALVE INDUSTRIES

Trumbull Manufacturing was an outgrowth of Trumbull Industries which was founded in 1922 in Warren, Ohio (Trumbull County). Manufacturing operations started in 1981 to offer specialty products for the Municipal and Industrial markets. Product categories include waterworks tools, valve position indicators, polywrap, joint restraints products, meter pit lids and couplings, valve and curb box accessories, as well as valves and accessories for water/wastewater treatment plants.

In 2017, Trumbull Manufacturing moved to a larger facility in Youngstown, Ohio, to accommodate growth and increase manufacturing capacity. Regional inventory is located in warehouses in Orlando, Phoenix, and Dallas.

We stand behind our product with experienced Engineering, Quality Control and Field Service personnel. Our products are designed for long life, and are rigorously tested, in-house and at independent labs. Our inside sales staff is passionate about customer satisfaction.

Trumbull Manufacturing sells to waterworks distributors, valve representatives and manufacturers both nationally and internationally.







Customer Service Sales Email 828-477-4601 828-735-1978 sales@jxtcompany.com



	Product	Page(s)
	Keys and Tools	
	Double Socket Ratchet Wrenches	A-1
	Double Socket Ratchet Wrenches, Pivoting Handle	
	Manhole Cover Hooks	
	Hydrant Wrenches	
	Hydrant Wrench, Adjustable	
	Hydrant Wrench, Adjustable Storz	
	Diameter Tapes	
	Main Valve Keys	
	Curb Box Rods	
	Curb Wrenches and Keys	
	Valve and Curb Keys, Lighted	
	Pentagon Hand Keys	
	Valve and Curb Key Kits	
	Soil Probe Rods	
	KnuckleSAVER [™] 3-in-1 Flaring Tools	A-16
	Meter Wrench	A-17
	Distance Measuring the ps	A-18
	Meter Wrench Distance Measuring The as	A-19
	Valve and Curt B x Clears	A-20
U	Curb and Valve Box Products	
	Valve Box Risers	B-1
	"Rite-Hite" Adapters	B-2
	Valve Box Lids	B-3
	Valve Box Alignment Device	B-4
	Curb Box Lids, Repair	B-5
	Service Box Extensions	B-6
	Curb Box Lids	B-6
	Joint Restraint Products	
U		
	Tie-Lugs	
	Tie-Bolts	_
	Socket Clamps	
	Flange Lugs	C-3 to C-4
	Products for Corrosive Soils	
	Polyethylene Encasement Tubing, "Polywrap"	D-1 to D-2
	Polywrap Tape	
	Zinc Anode Caps	
	Warning Tapes, [et c عناه ap ا ا الله الله عناه الله عناه الله الله الله الله الله الله الله ا	
	T-Head Bolts and Nuts	
U	Meter Box and Manhole Lids, Couplings, and Flanges	
	Note: Meter Box and Manhole Lids section supplied in brochure format for ea	sy replacement
	Meter Adapters	E-53
	Meter Couplings	E-54
	Meter Flanges	E-54
	Cast Iron Meter Yokes	E-55 to E-56
	Expansion Connections	E-55 to E-56
	Valve Position Indicators	
	Position Indicators, Buried Service with 1-1/4" Square Extension Stems	
	Position Indicators, Buried Service with Telescopic Extension Stems	
	Position Indicators, Buried Service with Round Extension Stems	
	Position Indicators, Installation in Floor	
	Position Indicators, Installation with Wall Bracket	
	Data Sheet: Housing Adapter for Position Indicators	
	Position Indicators, Installation with Flooretands	□ 1 2

Continued from the previous page	
Freatment Plant Products	Page(s)
Data Sheet: Overview of Trumbull Treatment Plant Products	G-1
Valve Extension Stems, Round	G-2
Valve Extension Stems, Square	G-3
Top Nuts & Bottom Couplings	G-4
Handwheels	
OS&Y Adapters	
Data Sheet: Ordering Information for Valve Stem Extensions	
Data Sheet: Custom Extension Stem Applications	
Universal Joints	
Miter Gears	
Floor Boxes, Cast Iron	
Floor Boxes, 6" Sealed	
Floor Boxes, 11-1/8" Sealed	
Extended Bonnets	
Adjustable Stem Guides Adjustable Stem Guides, for Larger Diameter Stems	
Wall Brackets	
Mud Valves, Cast Iron	
Data Sheet: Other Adaptations for Mud Valves	
Mud Valves, Cast 316 Stainless Steel	
Data Sheet: Optional Mud Valve Installations	
Hydrostatic Tank Pressure Relief Valves, Floor-Type	
Hydrostatic Tank Pressure Relief Valves, Wall-Type and Wallpipe	
Data Sheet: "QuadroSeal" Gaskets, for Tank Pressure Relief Valves	
Data Sheet: Strainers, for Tank Pressure Relief Valves	
Telescoping Valves	G-41 to G-42
Data Sheet: Floorstand Options	G-43
32" Pedestals	G-44
30" Indicating Floorstand, Ductile Iron	G-45 to G-46
36" Indicating Floorstand, Ductile Iron	
36" Non-Indicating Floorstand, Ductile Iron	
36" Indicating Floorstand, Stainless Steel	
Hand Levers for Quarter-Turn, Above Ground Valves	
Chain Levers for Quarter-Turn, Elevated Valves	
Chainwheels, Ductile Iron	
Chainwheels, Aluminum	
Chainwheels, Stainless Steel	
Chainwheels, Carbon Steel	
Data Sheet: Chainwheel Dimensions Chart	
Data Sheet: Clamping Hardware, for Chainwheels	
"Star Adapters", for Direct Mounting of Chainwheels	
TR Series Connecting Links, for Sprocket-Type Chainwheels	
"Chain-Up" Device, for Chainwheels	
Secondary Safety Restraint System	
Adjustable Pipe Supports, Saddle Style	
Adjustable Pipe Supports, Flange Style	
Adjustable Pipe Supports, Light-Duty	
Wall Sleeves	
Link-Seal® Modular Seals	
Hydrant Parts and Accessories	
Brass Hydrant Adapters	
Fire Hydrant Nozzle Caps	
Hydrant Valve Rubbers	
Parts for Obsolete Hydrants	H-4



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email Email 828-477-4601 Sales Sales Email sales@jxtcompany.com

-www.trumbull-mfg.com

Double Socket Ratchet Wrenches / Wrench Sets

COLOR-CODED GRIPS

are cushioned and ergonomically contoured for comfortable use

HEAVY-DUTY RATCHET MECHANISM

is sandwiched between steel plates for strength and protection

O.D. TAPE

included with set





3-Wrench Set

- One 1-1/4" x 1-1/16" wrench
- One 1-1/8" x 15/16" wrench
- One 7/8" x 3/4" wrench
- One outside diameter tape
- Sturdy carrying case

Item №	Weight
364-9986	9.35 lbs.

Custom logos can be molded on the grips of our Double Socket Ratchet Wrenches. Inquire how we can put YOUR logo on the wrenches.

Trumbull's heavy-duty Double Socket Ratchet Wrenches can tighten nuts on long bolts or all-thread rod without bottoming out and have a simple lever-operated reverse feature.

To assure long service life and reliable operation, clean & oil mechanism regularly.

Wrenches - Sold Individually

Grip Color	Large Socket	Small Socket	Item №	Large Socket Fits Hex Size	Small Socket Fits Hex Size	EXAMPLES OF LARGE SOCKET APPLICATIONS	EXAMPLES OF SMALL SOCKET APPLICATIONS
BLUE	1-1/4"	1-1/16"	364-9982	3/4" Heavy	5/8" Heavy	4" thru 24" MJ Ftgs., 3/4" Hex Bolts with Heavy Hex	3″ MJ Ftgs., Cast Couplings, Clamps, Tapping Sleeves
GREEN	1-1/8″	15/16"	364-9985	3/4″ Standard	5/8″ Standard	3/4" Flange Bolts with Standard Hex	5/8" Flange Bolts with Standard Hex, 14" thru 24" Hymax [®] Couplings
YELLOW	7/8"	3/4"	364-9983	9/16" Standard & 1/2" Heavy	1/2" Standard & 7/16" Heavy	6" thru 12" Hymax [®] & other Couplings with 1/2" Heavy Hex	1-1/2″ thru 4″ Hymax [®] Couplings, 1-1/2″ thru 24″ MaxiFit™



3850 Hendricks Road, Youngstown, Ohio 44515

-www.trumbull-mfg.com

Double Socket Ratchet Wrenches



- Heavy-duty double socket incorporates a through design which can tighten nuts on long bolts or all-thread rod without bottoming out.
- Double socket permits use on either 5/8" or 3/4" Heavy Hex Nuts without changing sockets. Also eliminates common misplacement of loose sockets and introduction of dirt into the mechanism while changing sockets in the field.
- Mechanism design allows short stroke operation.

 Heavy-duty ratchet mechanism is lubricated and enclosed in a sealed ductile iron casting to prevent debris from jamming.

- Wrench is 16" OAL.
- Painted black.



ADJUSTABLE HANDLE ILLUSTRATION.

PLATED STEEL BOLT AND WING NUT

lock heavy duty 12" ductile iron handle to the ratchet head

EASY ACTION LEVER reverses direction

SLIP RESISTANT RESILIENT GRIP

WING NUT AND BOLT

can be installed from either side of assembly to minimize interference

OILER FEATURE

allows for easy lubrication without disassembly

DOUBLE SOCKET DESIGN

Small socket fits heavy hex nuts on 5/8" bolts used on clamps, couplings, saddles and 3" Mechanical Joints. Large Socket fits heavy hex nuts on 3/4" bolts, used on 4" through 24" Mechanical Joints.

Item №	Large Socket	Small Socket	Large Socket Fits Hex Size	Small Socket Fits Hex Size	EXAMPLES OF LARGE SOCKET APPLICATIONS	EXAMPLES OF SMALL SOCKET APPLICATIONS	Weight
364-9984	1-1/4"	1-1/16"	3/4" Heavy	5/8" Heavy	4" thru 24" MJ Ftgs., 3/4" Hex Bolts with Heavy Hex	3″ MJ Ftgs., Cast Couplings	4.75 lbs.
364-9955	36mm	30mm	M24	M20	400mm - 500mm Pipe Flanges	200mm - 350mm Pipe Flanges	2.15 KG



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Manhole Cover Hooks





Trumbull Manhole Cover Hooks are made of 5/8" hexagonal steel. The 1/2" point engages the lid of the manhole cover.

Hooks are painted in Safety Blue enamel paint for safety and durability.

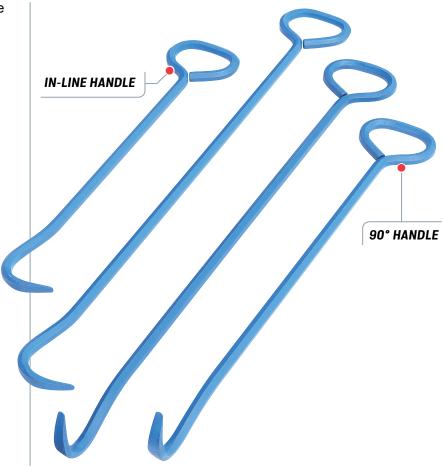


In-Line Handle

Item №	Overall Length	Weight
367-4286	24"	3.35 lbs.
367-4290	36"	4.50 lbs.

90° Handle

Item №	Overall Length	Weight
367-4288	30"	3.85 lbs.
367-4289	36"	4.45 lbs.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com







Hydrant Operating Wrenches



Pentagon Nuts

	Item №	Size	Model Number	"A" at base	"B" at top	Weight
ĺ	377-5952	1-1/2"	B41	1-5/8"	1-1/2"	2.45 lbs.
ĺ	377-5953	1-1/4"	B18	1-3/8"	1-1/4"	2.55 lbs.

Sa	quare Nuts				B A	
	Item №	Size	Model Number	"A" at base	"B" at top	Weight
	377-5951	1″	A12	1-1/8"	1″	2.60 lbs.
	377-5947	7/8"	A3	1"	7/8"	2.70 lbs.

Other sizes and shapes available upon special request. Please give dimensions measuring "point to flat" for pentagon nuts or across center from "flat to flat" for square and hexagon nuts.

See separate literature on Adjustable Hydrant Wrenches and Hydrant Wrenches for Storz connections.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

KNURLED

GRIP

-www.trumbull-mfg.com



Adjustable Hydrant Wrench

Fits pentagon nuts up to 1-1/2" (point to flat) and square nuts up to 1-1/4" (flat to flat). Spanner fits both lug-type and pin-type hose couplings. Entire wrench is zinc-chromate plated for corrosion resistance.

Adjustable Hydrant Wrench

Item №	Handle Length	Weight
377-5960	15"	4.25 lbs.

Longer Handle Only

Item № Handle Length Weight ??" 4.25 lbs. 100-380-00040









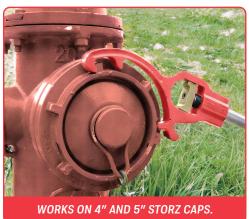
3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@ixtcompany.com

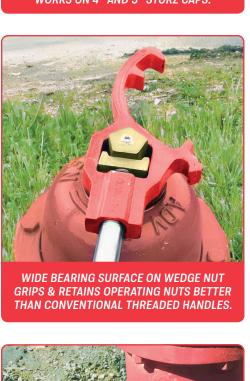
www.trumbull-mfg.com

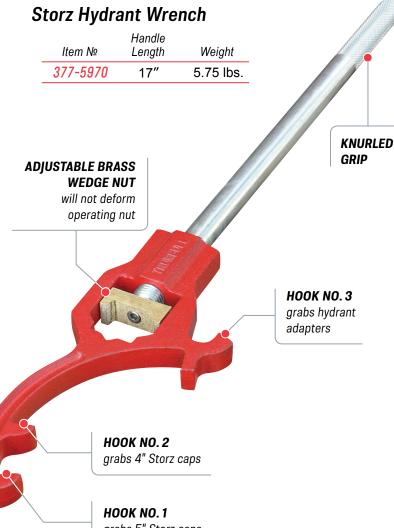


Adjustable Hydrant Wrench

This Trumbull hydrant wrench works on 4" and 5" Storz caps, rocker lug and pin-type fittings, as well as hydrant adapters.

Adjustable brass wedge nut grips a variety of sizes and shapes of operating nuts, up to 1-3/4" pentagon and 1-1/4" square. Head is made of cast steel; handle made of high-tensile steel.





WORKS ON HYDRANT ADAPTERS AND HOSE COUPLINGS, BOTH PIN AND LUG TYPE.

grabs 5" Storz caps



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

Outside Diameter Tapes

Blade is 1/4" Width x 10' Length, Available in Both Inch and Metric Models

Most competitive models
Of diameter tapes can only
measure up to 20" or 24" pipe...

Trumbull's Tape will measure diameters up to and including 36" ductile iron pipe.



Outside Diameter Tapes

- A necessity for any water utility or waterline contractor. Know your pipe diameters in order to size your clamps, couplings and tapping sleeves accurately!
- Automatically converts circumference of a pipe to its diameter.
- Yellow tape with black markings.
- 10 ft. (3 Meter) length, see note on left.
- Spring action returns blade to case.
- Gift boxed.



Inquire how we can put YOUR logo on the label.

Item №	Measurement Scales	Weight
217-6653	Linear Inch x Diameter Inch	0.20 lbs.
217-6656	Linear Metric x Diameter Metric	0.20 lbs.
217-6659	Diameter Inch x Diameter Metric	0.20 lbs.



Diameter Tapes are for identification of pipe, not for precision measurements.

LINEAR MARKINGS

First 12 inches of front measures to 1/32nds. Balance of front measures to 1/16ths.

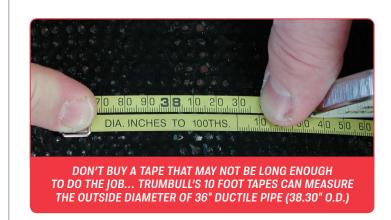


1 INCHES

DIAMETER MARKINGS

Diameter on back to 100ths of inches.







3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email

sales@jxtcompany.com

www.trumbull-mfg.com

Main Valve Keys



T-Handle Main Valve Keys

- Handles & shafts fabricated from 1" Sch 40 steel pipe
- Cast steel socket that fits 2" square operating nut
- For more info concerning the Lighted Main Valve Keys, see page A-11.

Length	Weight	1 Item №	LIGHTED 3 Item №
2 ft.	9.15 lbs.	367-5016	spec/ord.
3 ft.	10.70 lbs.	367-5017	spec/ord.
4 ft.	12.10 lbs.	367-5018	367-5118
5 ft.	13.35 lbs.	367-5019	367-5119
6 ft.	15.30 lbs.	367-5020	367-5120
7 ft.	17.10 lbs.	367-5021	spec/ord.
8 ft.	18.80 lbs.	367-5023	367-5123

Gate Valve Speed Wrench

- Allows use of both hands for extra leverage
- Revolving handle allows quick opening & closing

⑤ Item №	Handle Length	Weight
367-9981	18″	6.20 lbs.

Ideal for operating valves with 2" AWWA nut in the trench or in the yard.

Ring Handle Main Valve Keys

- Features a forged steel top ring
- 1" Sch 40 steel pipe shafts
- Cast steel socket fits 2" square operating nut

Length	2 Item №	Weight
4 ft.	367-5124	11.40 lbs.
5 ft.	367-5125	13.00 lbs.
6 ft.	367-5126	14.30 lbs.
7 ft.	367-5127	15.50 lbs.
8 ft.	367-5128	18.00 lbs.



Telescoping Main Valve Keys

- Adjustable to fit valve depths of 6' through 10'
- 1-1/2" square upper shaft, 1-1/4" square lower shaft
- Steel socket cast with open top mud relief
- Socket fits 2" square operating nut
- Adjustable in one foot increments with wire lock pin

4 Item №	Length	Weight
367-5129	6 ft. through 10 ft.	38.50 lbs.



For special lengths not shown here, please inquire.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

sales@jxtcompany.com

-www.trumbull-mfg.com

Curb Box Rods

- Buffalo Type Curb Box Rods

- Made of 1/2" square carbon steel
- Ductile iron end casting
- Furnished with brass cotter pin

Length	Item №	Weight
30"	367-4230	3.00 lbs.
36"	367-4232	3.50 lbs.

Erie/Minneapolis Type Curb Box Rods

Furnished with brass cotter pin

Length	Item №	Weight
24"	367-4084	3.10 lbs.
30"	367-4085	3.20 lbs.
36"	367-4087	3.70 lbs.
42"	367-4090	4.20 lbs.
48"	367-4092	4.70 lbs.



No.1302 Curb Stop Wrenches

- Designed to shut off 3/4" through 2" curb stops
- Made of 5/8" round carbon steel rod
- Ductile iron bottom casting

Erie/Minneapolis



No. 1302 casting fits directly on t-head of curb stops

Length	1 Item №	Weight
3 ft.	367-4293	4.00 lbs.
4 ft.	367-4294	6.00 lbs.
5 ft.	367-4360	7.00 lbs.
6 ft.	367-5025	8.00 lbs.
7 ft.	367-4362	9.00 lbs.
8 ft.	367-4296	10.00 lbs.

Telescoping Curb Stop Wrenches

- Available in two size ranges
- Thumb screw allows for infinitely variable adjustment within the size range of each model
- Inner shaft is 1/2" solid square rod
- Outer shaft is 5/8" square tubing
- Combination socket bottom casting (see details of casting on page A-10)

Length Range	2 Item №	Weight
4'6" through 8'	367-4370	4.00 lbs.
6' through 10'	367-4371	10.00 lbs.

Thumb

Screw

Operated



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

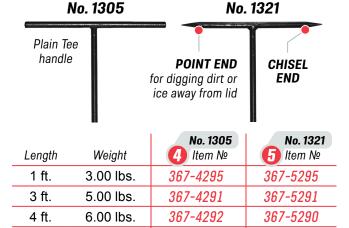
www.trumbull-mfg.com

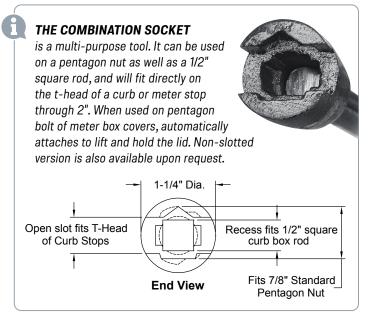
Curb Wrenches and Keys, Continued

No.1305 and No.1321 Combination Curb Box Keys

For **BUFFALO** Type Boxes

Made of 5/8" round carbon steel with cast steel combo casting.







6 ft.

8 ft.

NOT for use with 1" Erie Style Boxes.

8.00 lbs.

10.00 lbs.

No. 1306 and No. 1322 Curb Box Keys

367-4297

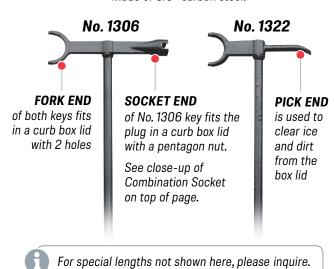
367-4302

367-5297

spec/ord.

For ERIE & MINNEAPOLIS Type Boxes

Made of 5/8" carbon steel.



SLOTTED END

For use on Erie & Minneapolis style rods. Will fit inside a curb box with a 1" pipe upper section

Length	Weight	Plain Handle	No. 1306 Item №	No. 1322 7 Item №
2 ft.	5.00 lbs.		367-4277	spec/ord.
3 ft.	7.00 lbs.		367-4278	367-5278
4 ft.	9.00 lbs.	367-4264	367-4280	367-5280
5 ft.	11.00 lbs.	367-4265	367-4276	spec/ord.
6 ft.	13.00 lbs.	367-4266	367-4275	spec/ord.
7 ft.	15.00 lbs.	367-4267	367-4274	spec/ord.
8 ft.	17.00 lbs.	367-4268	spec/ord.	spec/ord.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com



ILLUMINATES THE INSIDE

OF CURB OR VALVE BOX.

Valve and Curb Keys

Trumbull Lighted Keys make it easier for the operator to see the 2" nut on a main valve or t-head of a curb stop. Both models feature handles and shafts fabricated from Sch 40 steel pipe and extra strength tool castings.





LIGHT IS RECESSED TO PROTECT FROM DAMAGE



Designed to be waterresistant and shock-proof. LED bulb rated for 100,000

hours. Uses AAAA batteries which can be easily replaced in the field.

Lighted Main Valve Keys

- Handles and shafts fabricated from 1" Sch 40 steel pipe.
- Cast steel casting fits 2" square operating nut.
- Bottom casting has mud slots that prevent packing of dirt inside socket.

Length	Item №	Weight
4 ft.	367-5118	12.80 lbs.
5 ft.	367-5119	14.10 lbs.
6 ft.	367-5120	15.40 lbs.
8 ft.	367-5123	18.00 lbs.

Lighted Curb Keys

- Handles and shafts fabricated from 3/4" Sch 40 steel pipe.
- Combination curb key casting fits t-head of curb stops up to 2", standard pentagon nut and various curb box rods.
- The curb key casting has an OD of 1-1/4" and is designed for Buffalo curb boxes, meter boxes, or arch pattern boxes with 1-1/2" or larger upper pipe sections (see page A-10 for more details).

Length	Item №	Weight
3 ft.	367-4391	6.35 lbs.
4 ft.	367-4392	6.40 lbs.
6 ft.	367-4397	8.45 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Pentagon Hand Keys

Medium Carbon Steel Investment Casting - Plated Finish



Model HK-0

Fits standard pentagon heads. The socket cavity retains the head during removal, for ease in lifting the lid of a meter box from the frame. The convenient hammer and pick ends assist in breaking ice and clearing debris. A square shank is provided on the socket for applying extra torque.

Item №	Model	Weight
367-4298	HK-0	0.85 lbs.
367-4331	HK-1	0.60 lbs.
367-4332	HK-2	0.90 lbs.
367-4333	HK-3	1.00 lbs.

See pages A-9 through A-10 for Valve and Curb Keys.



Model HK-1

Fits standard pentagon heads. Slot in socket operates T-heads of curb and meter stops. The socket cavity also retains the head during removal. for ease in lifting the lid of a meter box from the frame. The tee-handle has a blunt rounded end for pounding, and a curved, tapered end to assist in breaking ice and clearing debris.



Model HK-2

The HK-2 has two pentagon sockets, plus a tapered-end prying blade. Socket 1 fits standard pentagon heads, and has a slot to operate T-head of curb and meter stops. Socket 2 fits large pentagon heads. Both sockets have cavities to retain the pentagon head during removal, for ease in lifting the lid of a meter box from the frame. The tapered blade end is designed for prying. or for use as a chisel.



Model HK-3

The HK-3 has three pentagon sockets, plus a tapered-end prying blade. Socket 1 fits standard pentagon heads, and has a head-retention cavity. It also has a slot to operate T-heads of curb and meter stops. The other two sockets both fit the 1-1/16" pentagon head used on Mueller meter boxes. One socket has the head-retention cavity to retain the pentagon head during removal; the other socket has the external lug which engages the lid recess. Both methods assist in lifting the lid of a meter box from the frame. The tapered blade end is designed for prying, or for use as a chisel.









3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

TEE HANDLE

doubles as

20" extension

Sales

Email 828-735-1978 sales@jxtcompany.com

Illustration of Tee Handle

fitting in Base Unit.

-www.trumbull-mfg.com

Valve and Curb Key Kit

Trumbull Valve Key Kit and Adapters operate main valves, curb and meter stops, and a variety of curb box rods and lids. Tool collapses to compact length for convenient storage in utility vehicles. Carrying case included.

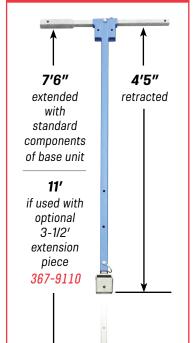
Base Unit

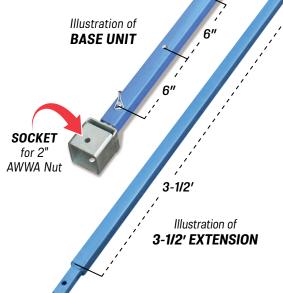
Product Item № Description Weight 367-9100 Base Unit 20.65 lbs.

MULTI-PURPOSE ADAPTER fits on 3/4" - 2" curb and meter

stops (illustration B below), operates standard waterworks pentagon (illustration C below), & 1/2" curb box rod

KEY FOR MAIN VALVES With AWWA Socket

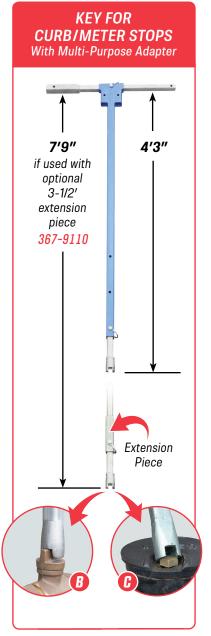




Optional Accessories

Item №	Product Description	Weight
367-9110	3-1/2 ft. Extension Piece	7.00 lbs.
367-9111	Replacement Stem & Socket	5.55 lbs.
367-9106	Replacement Tee Handle	2.80 lbs.







3850 Hendricks Road, Youngstown, Ohio 44515

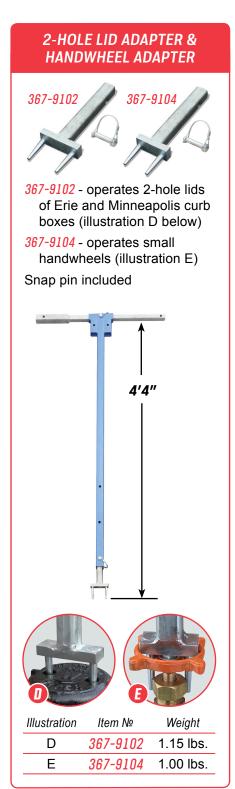
Customer Service 828-477-4601

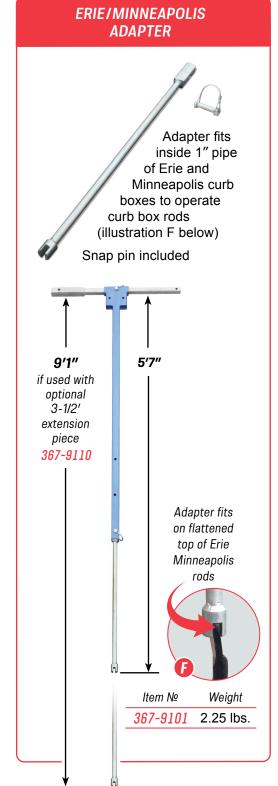
Sales

Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Valve and Curb Key Kit, Optional Accessories









3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

-www.trumbull-mfg.com

Soil Probe Rods

Used for Locating Buried Lines - Insulated and Uninsulated Types



INSULATED HANDLE

1-3/16" diameter x 9-1/2" long

Insulated Type Soil Probe Rods

Our insulated type Soil Probe Rods feature non-conducting, molded rubber handle and shield on upper section of shaft. Molded rubber coverings have been laboratory tested to assure protection against electrical shock from accidental contact with buried SECONDARY electrical lines. Replaceable alloy steel tip.



The insulation **WILL NOT** provide protection against contact with **PRIMARY** voltages. Always contact power company to locate underground electrical lines before digging!

Uninsulated Type Soil Probe Rods

Our economy type Soil Probe Rods feature a shaft and handle made from 1/2" rod and an epoxy-applied tip.

Our "Plus" model features replaceable tips and handle grips and are made from 3/8" rod. Handle grips DO NOT provide insulation from electrical lines. Available in both carbon steel and stainless steel models.



	Insulate	sulated Type Uninsulated				ed Types			
Overall	Rubber	Handle	Carbon St	eel "Plus"	Ţ.	Stainless S	teel "Plus"	Econom	у Туре
Length	Item №	Weight	Item №	Weight	ï	Item №	Weight	Item №	Weight
3 ft.			367-9082	2.50 lbs.		367-9086	2.50 lbs.		
4 ft.	367-9080	4.00 lbs.	367-9083	2.80 lbs.		367-9087	2.80 lbs.	367-9081	4.00 lbs.
5 ft.	367-9090	4.25 lbs.	367-9084	3.25 lbs.	Ĺ	367-9088	3.25 lbs.	367-9091	4.25 lbs.
6 ft.			367-9085	3.60 lbs.		367-9089	3.60 lbs.	 	



Alloy Steel Tip - for Insulated Type Probe Rods 367-9095 0.05 lbs. Stainless Tip - for SS & CS Uninsulated Type Probe Rods 367-9097 0.10 lbs. Grips - for SS & CS Uninsulated Type Probe Rods (2-pack) 367-9096 0.10 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@ixtcompany.com

-www.trumbull-mfg.com

KnuckleSAVER™3-in-1 Flaring Tools





ALWAYS use a brass hammer and also safety glasses when using any striking tools.

3-in-1 Flaring Tools . . .

- 1 FLARES Type K copper
- 2 RE-ROUNDS kinked or bent copper
- 3 RELIEVES pressure when used under pressure

Whether you are flaring Type K soft copper, or using it to "re-round" copper for use with compression fittings, the KnuckleSAVER™ flaring tool provides safety from injuries.

The shank of the flaring tool is drilled out and provided with a pressure relieving hole, to allow for use with lines that cannot be shut down.

Item №	Size	Model Number	Weight
368-0500	3/4"	FRP-075	2.25 lbs.
368-0502	1"	FRP-100	2.65 lbs.
368-0504	1-1/2"	FRP-150	4.50 lbs.
368-0506	2"	FRP-200	6.50 lbs.

Shutoff Tool For Polyethylene Water Tubing





The Trumbull Shutoff Tool can be used on polyethylene water service tubing for making emergency shutoffs where curb stops or other valves are not readily accessible.

Hinge on one end allows the tool to open for use on 3/4" and 1" polyethylene tubing. Latch on opposite end keeps tool closed during repair.

Zinc chromate plated. 17-7/8" overall length.

Shutoff Tool

Item № Weight 368-9040 2.90 lbs.



The Shutoff Tool **IS NOT** intended for use on gas tubing!



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

Meter Wrench



Item № 368-0620 2.50 lbs.

368-0625 0.35 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Distance Measuring Wheel

Includes Storage Bag

Trumbull's heavy-duty Distance Measuring Wheel is ideal for laying out and measuring utility lines, road work and other types of construction. Lightweight design makes it easy to use, reducing fatigue. Folding handle design requires minimal storage space and fits conveniently inside padded storage bag.

Internal axle bearings provide for long life under a wide variety of applications. Six-figure counter records long distances up to 100,000 ft. over most types of terrain. Large counter makes reading measurements easy. Hand-grip brake eliminates unwanted measurement at turns or when maneuvering around objects not to be measured.

Handle, front forks and kickstand are made of coated carbon steel. Wheel rim and hand grip brake made of ABS. Tire is made of 90-durometer black PVC.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Email Sales 828-735-1978 828-477-4601 sales@jxtcompany.com

-www.trumbull-mfg.com

Valve and Curb Box Cleaners

Valve and curb boxes frequently get filled up with dirt, stones and other foreign objects that prevent keys from accessing valve or curb stops. These heavy-duty tools are designed for cleaning out 2-1/2" and 3" Buffalo curb boxes as well as 4-1/4" and 5-1/4" Buffalo valve boxes, without excavation.

Squeeze the lever to open the jaws; release the lever to close. Available in 5', 6', 7', 8', 10' and 12' lengths. Replacement iaw kits can easily be installed in the field. Replacement jaws can be interchanged on tools of other popular manufacturers.

Carbon steel jaws avoid breakage associated with cast iron jaws, and are designed for long life and abusive handling. Handle and tee are both zinc chromate plated. Fasteners are stainless steel. All other components are carbon steel and EDP coated for corrosion resistance.



STANDARD JAWS remove small objects, dirt, stones, sand

and mud

are designed to remove sand and mud

SCOOP JAWS

large amounts of debris,



	Standa	Standard Jaws) Jaws
Length	Item №	Weight	ltem №	Weight
5 ft.	367-9150	10.50 lbs.	367-9170	10.60 lbs.
6 ft.	367-9151	12.10 lbs.	367-9171	12.20 lbs.
7 ft.	367-9152	13.70 lbs.	367-9172	13.80 lbs.
8 ft.	367-9153	15.30 lbs.	367-9173	15.40 lbs.





law Replacement Kits

Includes 2 jaws and 2 pins

Item №	Jaw Type	Opens to	Weight
367-9162	Standard Jaws	5-1/4"	0.55 lbs.
367-9182	Scoop Jaws	5-1/4"	0.65 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email 828-477-4601 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

sales@jxtcompany.com

www.trumbull-mfg.com

Valve Box Risers

When you have to raise existing valve boxes to the new grade of a road to be paved, save time and money and avoid needless breaking-up of old concrete to raise the valve box... instead use Trumbull Valve Box Risers. Simply remove the existing valve box lid, insert the riser and place the existing lid into the riser.

- MUNICIPAL WATER DEPARTMENTS
- PRIVATE WATER COMPANIES
- PAVING & HIGHWAY CONTRACTORS





All sizes of Trumbull Valve Box Risers Accept standard 5-1/4" lids; no need to purchase special 1" riser lids. All six sizes (1" through 6") fit into the top sections of Tyler, Bingham & Taylor, Opelika, Foundry, Central Foundry and many other manufacturers' valve boxes, and accept most of their lids as well.

Itam No



VALVE BOX

Use 1", 1-1/2" or 2" Trumbull Riser inside 8" SDR 35 or C900 PVC pipe to form a Valve Box. Then add choice of Lid, per page B-3.



item iv	Size	vveignt
367-5030	1″	6.00 lbs.
367-5031	1-1/2"	9.85 lbs.
367-5032	2"	9.75 lbs.
367-5034	3″	13.60 lbs.
367-5036	4"	19.20 lbs.
367-5038	6"	29.00 lbs.

Ciao

Majaht

"Rite-Hite" Paving Adapters, Valve Box Lids and Locking Valve Box Lids also available. Valve Box Risers for special sizes and shapes of valve boxes are available by special order; minimum order quantities are required.



Due to changes in the design of some manufacturer's valve box lids, primarily Tyler's, their redesigned lid will not fit properly in our 1" Riser. When it cannot be determined if the existing valve boxes being raised have the old or new style Tyler lid, we recommend purchasing Trumbull's Valve Box Lid (item #367-5044, shown on page B-3) with our 1" Riser. All other sizes of Trumbull Risers should fit with either Tyler's old or new Lid.



R I S E R



3850 Hendricks Road, Youngstown, Ohio 44515

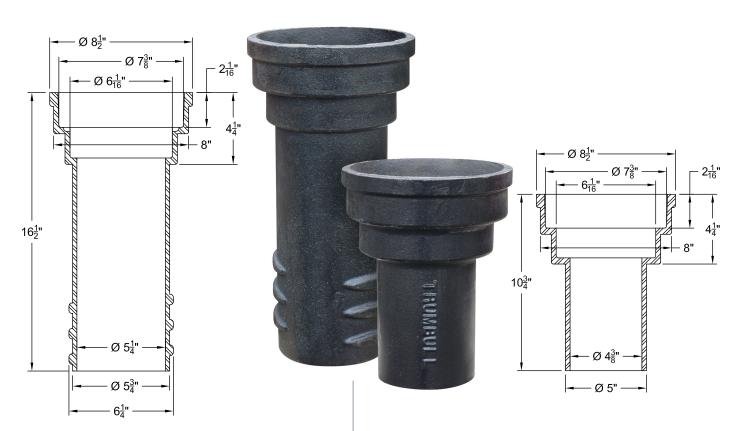
Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

"Rite-Hite" Adapters

Available in Screw-Type and Slide-Type Models



Screw-Type "Rite-Hite" Adapter

Paving Adapter No. T-69

This type adapter screws into the top section of the valve box. They accept standard valve box covers, as made by Bingham & Taylor, Central Foundry, Tyler, etc.

Item №	Adjustment Range	Weight
367-5060	2-1/2" - 8"	25.00 lbs.

Slide-Type "Rite-Hite" Adapter

Provides a method for adjusting valve boxes to pavement level. They accept standard valve box covers, as made by Bingham & Taylor, Central Foundry, Tyler, etc.

Item №	Adjustment Range	Weight
367-5050	2-1/2" - 8"	16.00 lbs.



If the existing valve box is too low, place the "Rite-Hite" inside the existing box, pour stiff cement mortar around it and push down until the "Rite-Hite" is flush with the pavement surface.

If the existing valve box is too high, break off the top of the valve box and insert the "Rite-Hite". Then pour stiff cement mortar around it and push down until the "Rite-Hite" is flush with the pavement surface.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

sales@jxtcompany.com

-www.trumbull-mfg.com

Valve Box Lids

Available in Locking Type and Standard Type Models

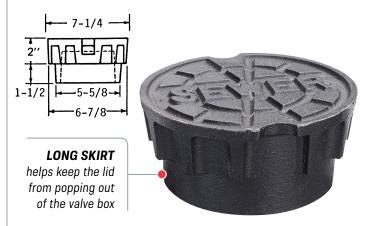


Locking Valve Box Lid

Locking Lids discourage unauthorized access to valve boxes. Tightening the standard brass pentagon screw causes the jaws to expand, bearing against inside of valve box.

Designed for valve boxes and Trumbull Screw-Type "Rite-Hite" Adapters; NOT for use with our Slide-Type "Rite-Hite" Adapters.

Item №	Size	Lettering	Weight
367-5045	5-1/4"	WATER	12.00 lbs.



Standard Valve Box Lids

For 5-1/4" shaft Buffalo style valve boxes, Trumbull Risers, "Rite-Hite" adapters, and Housing Adapters for Trumbull Valve Position Indicators.

Item №	Lettering	Weight
367-5244	WATER	13.00 lbs.
367-5046	SEWER	11.00 lbs.
367-5048	GAS	12.85 lbs.
367-5049	NON-POTABLE WATER	12.85 lbs.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email

sales@jxtcompany.com

-www.trumbull-mfg.com



Valve Box Alignment Device

- U.S. Patent No. 7575018 and 8430116.
- Eliminates shifting of valve box during backfill.
- Designed for use on all AWWA resilient wedge gate valves.
- Used with 5-1/4" 2-piece valve boxes.
- Avoids costly excavations when valve box shifts, preventing valve key from engaging the 2" square nut.



Ordering Instructions

- 1. Quantity required.
- 2. Order model required, using the chart below.

Model	Item №	Weight
No. 1	367-4850	0.30 lbs.
No. 2	367-4851	0.40 lbs.



MODEL NO.1



MODEL NO. 2

Valve Manufacturer

AFC AVK Clow East Jordan Kennedy M & H Mueller

NAPAC

US Pipe





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

Curb Box Repair Lids

Available in Inside Type and Outside Type Models



Trumbull Curb Box Repair Lids solve all these problems on 2-1/2" and 3" Buffalo style curb boxes.

Repair Lids should be ordered based on the style of curb box that you are using (inside or outside style). Please note that old (outside style) curb boxes are still in production.

To install, insert the two jaws into the shaft and tighten the screw. The jaws expand to bear against the inside of the curb box. Designed to fit most makes of curb boxes, both old and new. Outside Repair Lids also work on most makes of inside style Curb Boxes; however, inside Repair Lids only work on inside style Curb Boxes.

Also available, T-372 Repair Lid for recessed installation in outside style curb boxes.

Tamper-Resistant Screw Type Repair Lids

Secure your curb boxes from vandalism or unauthorized access. The unique keyway can be operated only with a matching key available from Trumbull. The locking option offers a high level of security for your curb boxes, preventing unauthorized operation.







Item №	Model	Size	Screw Type	Weight
367-4281	T-373	2-1/2"	Brass Pentagon	2.45 lbs.
367-4400	T-373	2-1/2"	Tamper-Resistant*	2.45 lbs.

* Requires Lock Key 367-4403 to operate.





Item №	Model	Size	Screw Type	Weight
367-4282	T-374	2-1/2"	Brass Pentagon	2.30 lbs.
367-4401	T-374	2-1/2"	Tamper-Resistant*	2.30 lbs.
367-4283	T-375	3″	Brass Pentagon	3.45 lbs.
367-4402	T-375	3"	Tamper-Resistant*	3.45 lbs.

^{*} Requires Lock Key 367-4403 (shown on left) to operate.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com





Service Box Extensions

For Erie/Minneapolis Pattern Curb Boxes

Used to increase the height of an existing 1" or 1-1/4" Erie/Minneapolis curb box. They slide over the top of the curb box pipe and are secured with a set screw (included) and include threads that accommodate the curb box's lid, allowing for easy height extension.



Service Box Extensions for 1" Curb Boxes

Length	Item №	Weight
3″	<i>367-0170</i>	0.75 lbs.
6″	367-0171	1.25 lbs.
9″	367-0172	1.60 lbs.
12"	367-0173	1.90 lbs.
18"	367-0174	2.20 lbs.
24"	367-0175	2.50 lbs.

Service Box Extensions for 1-1/4" Curb Boxes

Length	Item №	Weight
3″	367-0176	1.05 lbs.
6"	367-0177	1.45 lbs.
9″	367-0178	2.25 lbs.
12"	367-0179	3.10 lbs.
18"	367-0180	3.85 lbs.
24"	367-0181	4.35 lbs.

Curb Box Lids

Available for 1-1/2" and 2" Curb Boxes

Includes pentagon plug and stainless steel insert.

Size
Curb Box Item № Weight







3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

Tie-Lugs

Offset 3/4" Threaded Rod Away from Mechanical Joints to Span Across Valves, Fittings and Other Components

Cast from high strength ductile iron with a tensile strength of 80,000 psi and a yield strength of 55,000 psi. Intended for use between MJ bell and gland in sizes 4" through 24".

Quantity that should be used on each joint depends on pipe diameter, line pressure and other factors; consult your Engineer for quantity required.

	Domestic	Non- Domestic
Description	Item №	Item №
Tie Lug	364-3395	364-9035





Used in place of T-head bolt. 3/4" threaded rod passes through eye and is retained with heavy hex nut, sold separately. Made of low carbon steel.

Item №	Product Description	Weight
364-4000	3/4" Tie-Bolt, less nut	0.95 lbs.



CONJUNCTION WITH SOCKET CLAMPS.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@ixtcompany.com

-www.trumbull-mfg.com

Socket Clamps

For Use in Preventing Underground Pipe Joints from Separating

Also known as "Retainer Clamps" or "Friction Clamps". Designed for use on DI pipe. All Socket Clamps include two steel half clamps, two bolts and nuts and two washers. Used with all-thread rod and Trumbull Tie-Lugs or Tie-Bolts for joint restraint (shown on page C-1).

Carbon Steel Socket Clamps



				Pipe	
Item №	Size*	Bolt Size	Stock Size	OD**	Weight
364-3401	3"	5/8" x 3"	3/8" x 2"	3.96	5.65 lbs.
364-3402	4"	5/8" x 3"	1/2" x 2"	4.80	7.15 lbs.
364-3403	6"	5/8" x 3"	1/2" x 2"	6.90	8.75 lbs.
364-3404	8"	5/8" x 3"	1/2" x 2"	9.05	10.60 lbs.
364-3405	10"	5/8" x 3"	1/2" x 2"	11.10	12.35 lbs.
364-3406	12"	5/8" x 3-1/2"	1/2" x 2"	13.20	13.80 lbs.
364-3428	14"	7/8" x 4"	3/4" x 3"	15.80	48.00 lbs.
364-3429	16"	1" x 4-1/2"	3/4" x 4"	17.40	70.00 lbs.
364-3430	18"	1-1/4" x 4-1/2"	3/4" x 4"	19.50	79.00 lbs.
364-3431	20"	1-1/4" x 4-1/2"	3/4" x 4-1/2"	21.60	91.00 lbs.
364-3432	24"	1-1/2" x 5"	3/4" x 5"	25.80	118.00 lbs.

Stainless Steel Socket Clamps

			•	Pipe	
Item №	Size*	Bolt Size	Stock Size	OD**	Weight
803-3401	3″	5/8" x 3"	3/8" x 2"	3.96	5.75 lbs.
803-3402	4"	5/8" x 3"	1/2" x 2"	4.80	7.25 lbs.
803-3403	6″	5/8" x 3"	1/2" x 2"	6.90	8.90 lbs.
803-3404	8″	5/8" x 3"	1/2" x 2"	9.05	10.85 lbs.
803-3405	10"	5/8" x 3"	1/2" x 2"	11.10	12.65 lbs.
803-3406	12"	5/8" x 3-1/2"	1/2" x 2"	13.20	14.35 lbs.

- * Sizes 3" through 12" are supplied with #585 cast washers which are shown on the right. Sizes 14" and larger are supplied with two fabricated carbon steel washers.
- ** Socket Clamps are designed for centrifugally-spun cast and ductile iron pipe with OD's as shown.



No.585 Washers

- For 3" 12" Socket Clamps
- Usage for 3/4" rod
- Two washers are required for each Socket Clamp

		Bore	
Item №	Material	Size	Weight
364-9000	CS	1″	0.80 lbs.
803-9000	SS	1″	0.80 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

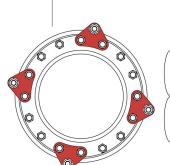
Email sales@jxtcompany.com

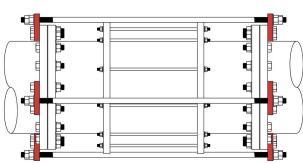
-www.trumbull-mfg.com

Flange Lugs

Used to Prevent Separation of Plain-End Piping Components







Also known in the field as "Thrust Plates", "Harness Lugs" or "Gusset Plates".

They are installed on the back sides of ANSI Class 125 B16.1 and Class 150 B16.5 flanges to allow tie rods to span across an unrestrained piping component.

Trumbull flange lugs are also used with rubber expansion joints to limit their expansion. Uncontrolled expansion can lead to failure of rubber expansion joints.

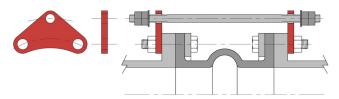
When using threaded ductile iron flanges, check for clearance of the Flange Lug inner radius with the flange hub O.D.

Two flange lugs are used in conjunction with a tie rod, two flat washers and four hex nuts to comprise one set (tie rod, flat washers and hex nuts are NOT included). At least two sets are required per joint. Longer flange bolts are required at the flange lug to accept the plate thickness.



The total number of Flange Lugs required should be determined by the project Engineer, or the expansion joint manufacturer.

Available in ASTM A36 carbon steel plate and 304 stainless steel. Carbon steel lugs are supplied with a Tnemec 37-77 red primer coating; other coatings and finishes are available upon request. Flange Lugs for Class 250 / 300 are available upon request.



Example of Flange Lug use with flexible coupling.

Carbon Steel	Stainless Steel	Flange	Plate	Tie-Rod	
Item №	Item №	Size	Thickness	Size	Weight
364-4103	364-4123	3″	1/2"	5/8"	1.15 lbs.
364-4104	364-4124	4"	1/2"	5/8"	1.00 lbs.
364-4106	364-4126	6″	1/2"	5/8"	1.26 lbs.
364-4107	364-4127	8″	1/2"	5/8"	1.56 lbs.
364-4108	364-4128	10"	3/4"	3/4"	2.35 lbs.
364-4109	364-4129	12"	3/4"	3/4"	2.75 lbs.
364-4110	364-4130	14"	3/4"	3/4"	3.45 lbs.
364-4111	364-4131	16"	1″	1″	4.25 lbs.
364-4112	364-4132	18"	1″	1″	5.00 lbs.
364-4113	364-4133	20"	1″	1″	4.50 lbs.
364-4114	364-4134	24"	1-1/8"	1-1/8"	6.75 lbs.
364-4115	364-4135	30"	1-1/8"	1-1/4"	6.90 lbs.
364-4116	spec/ord.	36"	1-1/4"	1-1/4"	7.05 lbs.
364-4117	spec/ord.	42"	1-1/2"	1-1/4"	8.80 lbs.
364-4118	spec/ord.	48"	1-1/2"	1-1/2"	9.75 lbs.
364-4119	spec/ord.	54"	1-3/4"	1-1/2"	15.60 lbs.
364-4120	spec/ord.	60"	1-3/4"	1-1/2"	15.80 lbs.

Pipe	Pipe	Flange	Вс	olt Hol	es	Bolt	Lug	Tie R	ods	Weight
Size	O.D.	O.D.	Hole CL	Qty.	Hole D.	Dia.	Thickness	Hole D.	Rod D.	pounds
3"	3.96"	7.5"	6"	4	3/4"	5/8"	1/2"	3/4"	5/8"	1.25
4"	4.80"	9"	7.5"	8	3/4"	5/8"	1/2"	3/4"	5/8"	1.00
6"	6.90"	11"	9.5"	8	7/8"	3/4"	1/2"	3/4"	5/8"	1.26
8"	9.05"	13.5"	11.75"	8	7/8"	3/4"	1/2"	3/4"	5/8"	1.56
10"	11.10"	16"	14.25"	12	1"	7/8"	3/4"	7/8"	3/4"	2.35
12"	13.20"	19"	17"	12	1"	7/8"	3/4"	7/8"	3/4"	2.75
14"	15.30"	21"	18.75"	12	1-1/8"	1"	3/4"	7/8"	3/4"	3.45
16"	17.40"	23.5"	21.25"	16	1-1/8"	1"	1"	1-1/8"	1"	4.25
18"	19.50"	25"	22.75"	16	1-1/4"	1-1/8"	1"	1-1/8"	1"	5.00
20"	21.60"	27.5"	25"	20	1-1/4"	1-1/8"	1"	1-1/8"	1"	4.50
24"	25.80"	32"	29.5"	20	1-3/8"	1-1/4"	1-1/8"	1-1/4"	1-1/8"	6.75
30"	32.00"	38.75"	36"	28	1-3/8"	1-1/4"	1-1/4"	1-3/8"	1-1/4"	6.90
36"	38.30"	46"	42.75"	32	1-5/8"	1-1/2"	1-1/4"	1-3/8"	1-1/4"	7.05
42"	44.50"	53"	49.5"	36	1-5/8"	1-1/2"	1-1/4"	1-3/8"	1-1/4"	8.80
48"	50.80"	59.5"	56"	44	1-5/8"	1-1/2"	1-1/2"	1-5/8"	1-1/2"	9.75
54"	57.56"	66.25"	62.75"	44	1-7/8"	1-3/4"	1-3/4"	1-5/8"	1-1/2"	15.60
60"	61.61"	73"	69.25"	52	1-7/8"	1-3/4"	1-3/4"	1-5/8"	1-1/2"	15.80

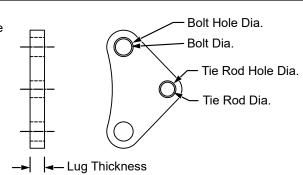
ANSI Class 125 B16.1 Drilling Template

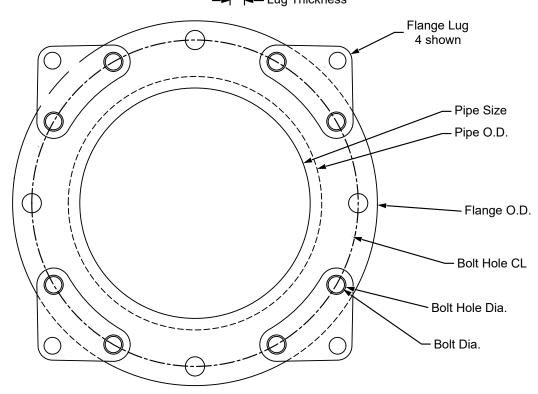
Notes:

250 psi maximum pressure.

Type 304 stainless steel plate, or,
A36 structural steel plate with
TNEMEC red 37-77 primer.

Other finishes available.





FLANGE LUGS
Drawn to Scale

Drawn: FCN 01/04/11 Revision:
FCN
07/25/19

Trumbull Manufacturing
Youngstown, Ohio
www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Polyethylene Encasement Tubing

8 Mil Linear Low Density "POLYWRAP" for Ductile Iron Pipe



Trumbull Polyethylene Encasement Tubing protects metallic pipe in corrosive soils. The tubing is slipped over the pipe, extended and taped. An overlap of two feet should be figured in calculating the total polywrap required. For example, 20 feet of polywrap is required for each 18 foot length, or 22 feet for each 20 foot length.



Tape Rolls Per 1,000'

	CONTINUOUS PERFORATED every 20 FT. PERFORATED ev					CONTINUOUS					TED every	ery 22 FT.				
Pipe Size	Layflat Width	Weight lbs./ft.	BLACK Item №	BLUE Water Item №	GREEN Sewer Item №	LAVENDER Reclaimed Water Item Nº**	Roll Length	BLACK Item №	BLUE Water Item №	Roll Length	BLACK Item №	BLUE Water Item №	GREEN Sewer Item №	PURPLE Reclaimed Water Item Nº**	Roll Length	
3″-6″	16"	0.106					300 ft.	388-9942		300 ft.	388-9976				308 ft.	2
3″-8″	20"	0.132	388-9989	388-8705	388-8755	388-8805	300 ft.	388-9943	388-8343	300 ft.	388-9961	388-8361	388-8461	388-8020	308 ft.	3
10"	24"	0.159					300 ft.	388-9945		300 ft.	388-9951				308 ft.	4
10"-12"	27"	0.179	388-9993	388-8710	388-8760	388-8810	300 ft.	388-9952	spec/ord.*	300 ft.	388-9962	388-8362	spec/ord.*	388-8021	308 ft.	4
14"-16"	34"	0.225	388-9996	388-8715	388-8765	388-8815	300 ft.	388-9955	spec/ord.*	300 ft.	388-9966	388-8366	388-8466	388-8022	308 ft.	6
16"-18"	37"	0.237	spec/ord.*	spec/ord.*			300 ft.			300 ft.	388-9967	spec/ord.*			308 ft.	7
18"-20"	41"	0.271	388-9998	388-8717	388-8767	388-8817	300 ft.	388-9957	spec/ord.*	300 ft.	388-9969	spec/ord.*	spec/ord.*	388-8023	308 ft.	7
24"	54"	0.358	388-9999	388-8720	388-8770	388-8820	150 ft.	388-9958	spec/ord.*	160 ft.	388-9970	spec/ord.*	388-8470	388-8024	154 ft.	8
30"	67"	0.444	388-9985	388-8780	388-8772	388-8825	150 ft.	spec/ord.*	spec/ord.*	160 ft.	388-9972	spec/ord.*	388-8472	spec/ord.*	154 ft.	10
36"-42"	81"	0.536	388-9986	388-8723		388-8828	150 ft.	388-9960	spec/ord.*	160 ft.	388-9974	spec/ord.*	388-8474	388-8026	154 ft.	15
48"	95"	0.629	388-9980				150 ft.			160 ft.	388-9975				154 ft.	17
54"-60"	108″	0.715	388-9982				150 ft.			160 ft.	388-9977				154 ft.	20
64"	121"	0.801	388-9984				150 ft.			160 ft.					154 ft.	21

^{*} Indicates other sizes, types and colors that are available as "special order"; 4,000 lbs. minimum per color or size. See Price Sheet for current sizes, colors & configurations stocked. 4 mil cross-laminated Polywrap also available.

"Don't forget the Polywrap Tape!" (Shown on page D-2.)

^{**} Lavender and purple Polywrap are printed with the text "Caution Reclaimed Water - Do Not Drink"



3850 Hendricks Road, Youngstown, Ohio 44515

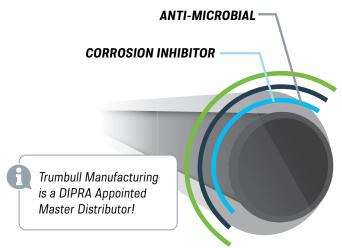
Customer Service 828-477-4601

828-735-1978

sales@jxtcompany.com

www.trumbull-mfg.com

V-Bio® Enhanced Polyethylene Encasement "Don't forget the Polywrap Tape!"



V-Bio® Polyethylene is a minimum 8-Mil co-extruded linear low-density polyethylene film infused with additives that enhance ductile iron pipe's ability to provide the long service life that is the benchmark of ductile iron pipe. Meets all requirements of the American National Standards Institute and the American Water Works Association (ANSI/AWWA C105/A21.5) standard for polyethylene encasement.

V-Bio® Enhanced Polyethylene Encasement is an innovative product from DIPRA that expands on the success of traditional polyethylene encasement. The V-Bio® film is infused with a corrosion inhibitor and an anti-microbial additive to actively control external corrosion, helping ensure the long service life utilities have come to expect from ductile iron pipe, even in the most corrosive environments.

V-Bio® is a registered trademark of the Ductile Iron Pipe Research Association.

White V-Bio® Enhanced PE Encasement

Pipe Size	Layflat Width	Perf'd Every	Item №	Roll Length
3"-8"	20"	22 ft.	388-7831	484 ft.
10"-12"	27"	22 ft.	388-7833	374 ft.
16"	34"	22 ft.	388-7835	308 ft.
18"-20"	41"	22 ft.	388-7837	264 ft.
24"	54"	22 ft.	388-7839	198 ft.
30"	67"	22 ft.	388-7841	154 ft.
36" - 42"	81"	22 ft.	388-7843	132 ft.
48"	95"	22 ft.	388-7845	110 ft.
54" - 60"	108"	22 ft.	388-7847	110 ft.
64"	121"	22 ft.	388-7849	110 ft.

Blue V-Bio® Enhanced PE Encasement

Pipe Size	Layflat Width	Perf'd Every	Item №	Roll Length
3"-8"	20"	22 ft.	625-150-00305	484 ft.
10"-12"	27"	22 ft.	625-150-00310	374 ft.
16"	34"	22 ft.	625-150-00315	308 ft.
18"-20"	41"	22 ft.	625-150-00320	264 ft.
24"	54"	22 ft.	625-150-00325	198 ft.
30"	67"	22 ft.	625-150-00330	154 ft.
36" - 42"	81"	22 ft.	625-150-00335	132 ft.
48"	95"	22 ft.	625-150-00340	110 ft.
54" - 60"	108"	22 ft.	625-150-00300	110 ft.

Green V-Bio® Enhanced PE Encasement

Pipe Size	Layflat Width	Perf'd Every	Item №	Roll Length
3"-8"	20"	22 ft.	625-150-00350	484 ft.
10"-12"	27"	22 ft.	625-150-00355	374 ft.
16"	34"	22 ft.	625-150-00360	308 ft.
18"-20"	41"	22 ft.	625-150-00365	264 ft.
24"	54"	22 ft.	625-150-00370	198 ft.
30"	67"	22 ft.	625-150-00375	154 ft.
36" - 42"	81"	22 ft.	625-150-00380	132 ft.
48"	95"	22 ft.	625-150-00385	110 ft.
54" - 60"	108"	22 ft.	625-150-00345	110 ft.

Lavender V-Bio® Enhanced PE Encasement

Pipe Size	Layflat Width	Perf'd Every	Item №	Roll Length
3"-8"	20"	22 ft.	625-150-00395	484 ft.
10"-12"	27"	22 ft.	625-150-00400	374 ft.
16"	34"	22 ft.	625-150-00405	308 ft.
18"-20"	41"	22 ft.	625-150-00410	264 ft.
24"	54"	22 ft.	625-150-00415	198 ft.
30"	67"	22 ft.	625-150-00420	154 ft.
36" - 42"	81"	22 ft.	625-150-00425	132 ft.
48"	95"	22 ft.	625-150-00430	110 ft.
54" - 60"	108"	22 ft.	625-150-00390	110 ft.

For continuous or perforated every 20', please inquire.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

TRUMBULI

-www.trumbull-mfg.com-

Other Polywrap and Polywrap Tape

Clear Polywrap 12 Mil

Pipe Size	Layflat Width	Perf'd Every	Item №	Roll Length
3" - 8"	20"	20 ft.	388-8605	200 ft.
10" - 14"	30"	20 ft.	388-8610	200 ft.

Sanitary Sewer Polywrap

8 Mil, for 4" cast iron soil pipe, black

Pipe Size	Layflat Width	Perf'd Every	Item №	Roll Length
4"	12"	12 ft.	364-9941	408 ft.

"Don't forget the Polywrap Tape!"

MULTIPURPOSE PVC TAPE: IAPMO/UPC certified for AWWA & plumbing applications.

Item №	Roll Size	Thickness	Weight
364-9975	2" x 100'	10 mil	1.00 lbs.

GENERAL PURPOSE PE TAPE: blue in color.

Item №	Roll Size	Thickness	Weight
364-9976	2" x 108'	9 mil	1.00 lbs.

Zinc Anode Caps

Sacrificial Zinc Anodes



Trumbull Anode Caps are designed for fighting corrosion of underground

bolts and nuts, and iron pipe and fittings.

These threaded hex head caps, when secured to a bolt or stud, become

the sacrificial anode, corroding, while the remaining metal parts are

protected. This corrosion protection continues until Zinc is consumed.



Zinc Anode Caps

	2.5 oz.	6 oz.
Description	Item №	Item №
5/8"-11, N.C.		364-1008
3/4"-10, N.C.		364-1010
7/8"-9, N.C.	364-1004	spec/ord.
1"-8, N.C.	364-1006	364-1012

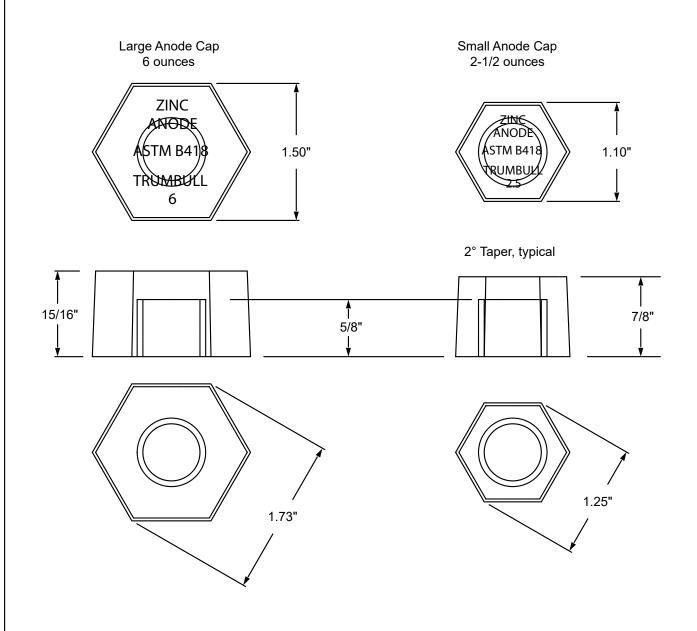
Trumbull Zinc Anode Caps are made from Special High Grade Zinc and third-party tested to confirm the maximums allowable in both ASTM B418-88, "Galvanic Zinc Anodes", and Military Specification Mil-18001K.

> See reverse side for drawing. Inquire about Anode Caps with different weights or shapes.

Material: High Grade Zinc Conforms to chemical requirements of ASTM B418-88, "Galvanic Zinc Anodes", and, U.S. Navy Specification, Mil-18001 H

Item No.	Tapped	Weight (oz.)
364-1004	5/8"-11 NC	2-1/2
364-1006	3/4"-10 NC	2-1/2
364-1008	5/8"-11 NC	6
364-1010	3/4"-10 NC	6
364-1012	1"- 8 NC	6

Galvanic Corrosion Chart				
Metal Type	Volts			
Zinc (Mil Spec Anodes)	-1.1			
Commercially pure aluminum	-0.8			
Mild steel, clean	-0.5 to -0.8			
Mild steel, rusted	-0.2 to -0.5			
Cast iron	-0.5			
Lead	-0.5			
Mild steel, in concrete	-0.2			
Copper, brass, bronze	-0.2			
High silicon cast iron	-0.2			



ZINC ANODE CAPS
Drawn to Scale

Drawn: FCN 06/28/94 Revision: FCN 09/26/18

Trumbull ManufacturingYoungstown, Ohio
www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

sales@jxtcompany.com

-www.trumbull-mfg.com



1,000 ft Roll Detectable Warning Tapes

Used for Locating Non-Metallic Pipes Buried Underground

- Tape consists of an aluminum core encased in plastic
- For installations 30" or shallower, 2" wide tape should be used
- For deeper installations, 3" tape should be used
- Use electronic pipe/cable locators for best results

Detectable Warning Tapes – 1,000 ft Rolls

	2" x 1,000'	3" x 1,000'	4" x 1,000'	6" x 1,000'	12" x 1,000'
Color and Marking	Item №				
POTABLE WATER	100-600-00005	100-600-00075	100-600-00185		
WATER LINE	100-600-00010	100-600-00090	100-600-00190	100-600-00210	100-600-00295
RAW WATER		100-600-00085			
RESTRAINT JOINT WATER		100-600-00165			
IRRIGATION WATER		100-600-00080			
IRRIGATION LINE				100-600-00205	
FORCE MAIN LINE	100-600-00015	100-600-00095	100-600-00195	100-600-00215	100-600-00300
SEWER LINE	100-600-00020	100-600-00105	100-600-00200	100-600-00225	100-600-00310
STORM DRAIN	100-600-00025	100-600-00110		100-600-00230	100-600-00305
IRRIGATION LINE	100-600-00060	100-600-00100		100-600-00220	
WATER LINE				100-600-00260	
FIBER OPTIC	100-600-00030	100-600-00115		100-600-00235	
TELEPHONE LINE	100-600-00035	100-600-00120		100-600-00265	
IRRIGATION LINE	100-600-00040				
RESTRAINT JOINT WATER	100-600-00065				
RECYLED/RECLAIMED WATER	100-600-00045	100-600-00130		100-600-00240	100-600-00315
WATER LINE				100-600-00270	
NON-POTABLE WATER		100-600-00125			
LAND DRAIN		100-600-00155			
ELECTRICAL LINE	100-600-00050	100-600-00135		100-600-00245	
FIRE LINE	100-600-00070	100-600-00140		100-600-00250	
RAW WATER		100-600-00145		100-600-00280	
RESTRAINT JOINT WATER				100-600-00285	
CAUTION				100-600-00275	
GAS LINE	100-600-00055	100-600-00150		100-600-00255	
RESTRAINT JOINT WATER		100-600-00160			
CAUTION		100-600-00175		100-600-00290	
FORCE MAIN LINE		100-600-00170			

Other lengths of Detectable Warning Tapes are shown on the following page ...



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Detectable Warning Tapes - Other Lengths

Detectable Warning Tapes - Other Lengths

	3" x 300'	3" x 500'	6" x 100'	6" x 300'	6" x 500'
Color and Marking	Item №				
WATER LINE	100-600-00320			100-600-00340	
SEWER LINE			100-600-00330	100-600-00345	
CAUTION					100-600-00350
DANGER		100-600-00325			
RESTRAINT JOINT WATER			100-600-00335		

Non-Detectable Warning Tapes

Used for Identifying Buried Pipes when Digging

Non-Detectable Warning Tapes - 1,000 ft Rolls



	0 1	•			
	2" x 1,000'	3" x 1,000'	4" x 1,000'	6" x 1,000'	12" x 1,000'
Color and Marking	Item №	Item №	ltem №	Item №	Item №
POTABLE WATER	100-625-00005	100-625-00070			
WATER LINE	100-625-00010	100-625-00085			
WATER	100-625-00060			100-625-00175	100-625-00235
RAW WATER		100-625-00080			
IRRIGATION WATER		100-625-00075			
IRRIGATION LINE				100-625-00170	
FORCE MAIN LINE	100-625-00015	100-625-00090		100-625-00180	100-625-00240
SEWER LINE	100-625-00020	100-625-00100		100-625-00190	100-625-00250
STORM DRAIN	100-625-00025	100-625-00105		100-625-00195	100-625-00245
IRRIGATION LINE		100-625-00095		100-625-00185	
FIBER OPTIC	100-625-00030	100-625-00110		100-625-00200	
TELEPHONE LINE	100-625-00035	100-625-00115			
IRRIGATION LINE	100-625-00040				
RECYLED/RECLAIMED WATER	100-625-00045	100-625-00125		100-625-00205	100-625-00255
POTABLE WATER		100-625-00150			
NON-POTABLE WATER	100-625-00065	100-625-00120			
DANGER		100-625-00155			
ELECTRICAL LINE	100-625-00050	100-625-00130		100-625-00210	
FIRE LINE		100-625-00135		100-625-00215	
RAW WATER		100-625-00140			
CAUTION				100-625-00230	
STORM DRAIN		100-625-00160			
GAS LINE	100-625-00055	100-625-00145		100-625-00220	
CAUTION		100-625-00165		100-625-00225	



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email

sales@jxtcompany.com

Type 316

-www.trumbull-mfg.com

T-Head Bolts and Nuts



Stainless Steel T-Head Bolts

Type 304 and Type 316

Ideal for corrosive soils. Provided with coated stainless steel heavy hex nut to prevent galling. Heads are stamped with the type of stainless. The 3/4" x 4" bolt is threaded 1/2" longer than the standard to permit use as a 3/4" x 3-1/2" bolt.

TYPE 316 BOLTS include a red Nut

TYPE 304 BOLTS include a green Nut

	1ype 304	Type 310
Size	Item №	Item №
3/4" x 3-1/2"	364-3487	364-3387
3/4" x 4"	364-3488	364-3388
3/4" x 4-1/2"	364-3489	364-3389
3/4" x 5"	364-3493	364-3393
1" x 6"		364-3394

Type 204





Blue Fluoropolymer Coated Bolts

Manufactured from corrosionresistant, high-strength, low-alloy steel in accordance with ANSI/AWWA C111/A21.11, that has a baked-on ceramicfilled fluorocarbon resin, which handles the needs of highly corrosive conditions.

Size	item №
5/8" x 3"	364-3343
3/4" x 3-1/2"	364-3354
3/4" x 4"	364-3355
3/4" x 4-1/2"	364-3356
3/4" x 5"	364-3357
1" x 6"	364-3359

Anti-Rotation T-Head Bolts (Corten)

Also Known as "Lugged T-Bolts"

Used on slotted opening in the MJ bells of hydrants and valves. Square neck on shank of bolt locks in slot to prevent rotation when nut is tightened. Provided with heavy hex nut.

Size	Item №
3/4" x 3-1/2"	364-3390
3/4" x 4"	364-3392



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com



COMPOSITE AND POLYMER

METER PIT LIDS

and Meter Pit Frames

Radio-Friendly.





TRAFFIC RATED COMPOSITE MANHOLE COVERS

and Frame and Cover Assemblies

Amazingly Strong. Surprisingly Light.™





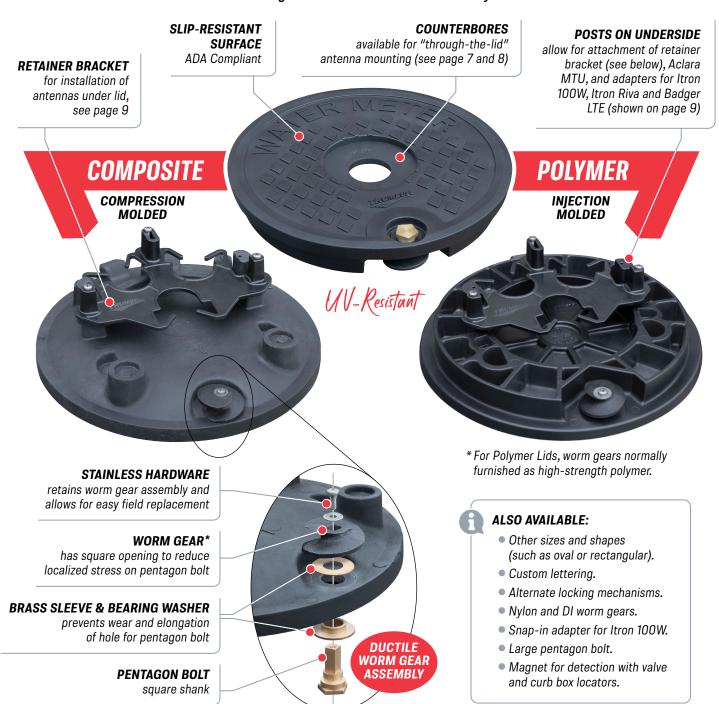
3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@ixtcompany.com

www.trumbull-mfg.com

COMPOSITE and POLYMER Meter Box Lids

Allow Radio Signals to be Read in AMR and AMI Systems



For dimensions, load ratings and additional options, refer to the product information chart on pages 18 - 28.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

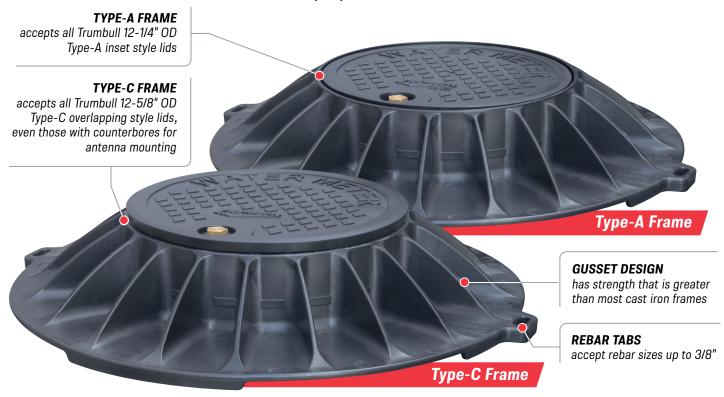
Sales 828-735-1978

Email sales@ixtcompany.com

www.trumbull-mfg.com

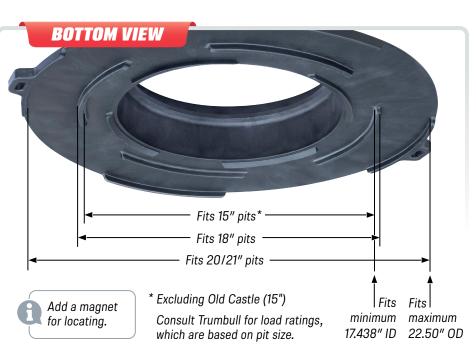
POLYMER Meter Pit Frames

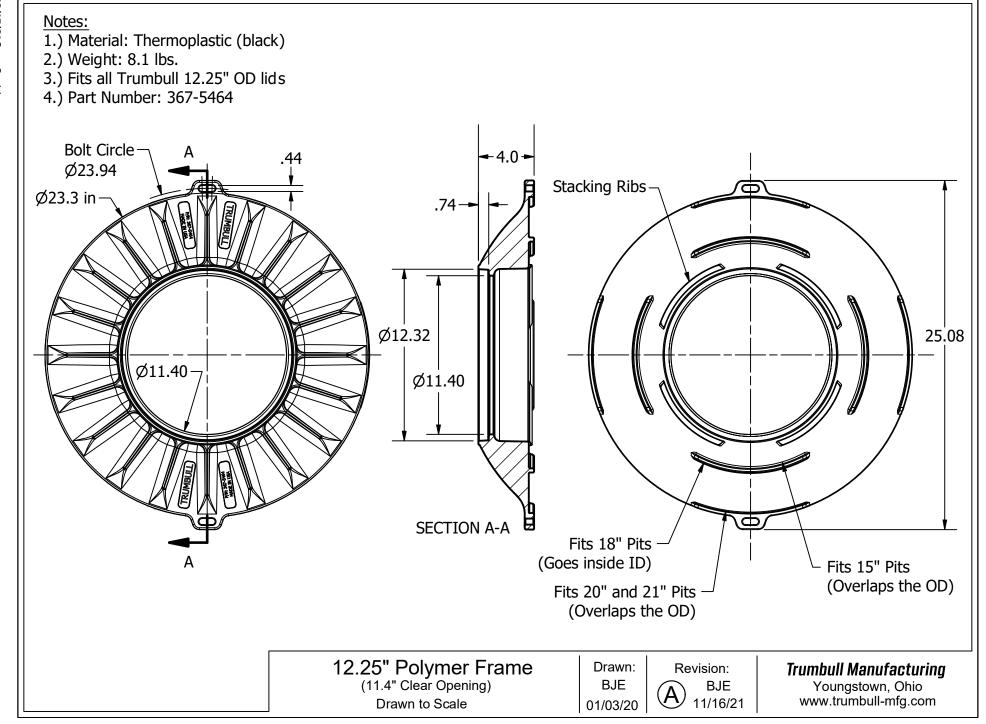
Fits on 15", 18", 20" and 21" Meter Pits





Item №	Frame	Weight
367-5464	Type-A Frame	8.10 lbs.
367-5459	Type-C Frame	8.10 lbs.





Notes: 1.) Material: Thermoplastic (black) 2.) Weight: 8.1 lbs. 3.) Fits all Trumbull 12.63" OD lids 4.) Part Number: 367-5459 Bolt Circle --4.0→ Ø23.94 Stacking Ribs Ø23.3 in 25.08 Ø11.48 Ø11.48-**SECTION A-A** Fits 18" Pits (Goes inside ID) Fits 15" Pits (Overlaps the OD) Fits 20" and 21" Pits -(Overlaps the OD) 12.63" Polymer Frame Drawn: Revision: Trumbull Manufacturing

(11.48" Clear Opening)

Drawn to Scale

NJC

10/09/20

NJC

11/19/21

Youngstown, Ohio

www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

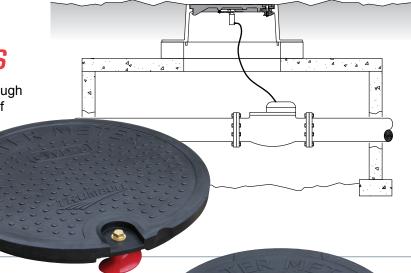
Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

COMPOSITE Manhole Lids for Large Meter Settings

Vaults for large meters are typically accessed through cast iron Manhole Lids. Trumbull offers a variety of Composite Manhole Lids through 36" diameter rated for 40,000 lb. traffic loads. Composite lids are "radio-friendly" and light weight, reducing back and finger injuries. They also reduce thefts common with cast iron lids.

Custom lettering and graphics available.



COMPOSITE Lids for Coiled Pit Setters

Worm gears on pit lids typically engage the shelf of an iron frame that covers the entire circumference of the frame. However, coiled pit setters use two brackets that must be engaged to lock the lid in place. Trumbull Lids are designed with cutouts to clear the brackets of Pit Setters. Available with ductile iron or UHMWPE worm gears.



Fits Pit Setters Item № Size Mounting Load Rating Weight 367-5644 15" AY McDonald / Mueller Solid* Light Duty 2.45 lbs. 367-5615 18" Solid* AY McDonald 40,000 lbs. 2.45 lbs.



LIDS are designed and manufactured by Trumbull Manufacturing, not AY McDonald or Mueller.

ALIGNMENT MARKS

on top of lid help installer find the correct position for hook and worm gear to lock lids to brackets in pit setter pipe

US Patent No. 9,350,148

* See chart on page 21 for other options for 15" lids, and page 22 for options for 18" lids.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@ixtcompany.com

www.trumbull-mfg.com

COUNTERBORES FOR THROUGH-THE-LID ANTENNA MOUNTING



Drilling holes in existing cast iron lids may save money in the short run. However, most iron lids do not have the thickness for a counterbore. If lids are simply drilled without a counterbore, the result is a trip hazard. Drilling iron lids in the field frequently results in cracks in the lid.

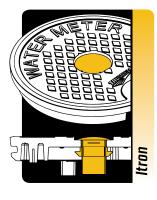
Solution:

Our lids feature a molded **COUNTERBORE** allowing recessed installation of antenna to eliminate trip hazard or damage.



Current Counterbore Options





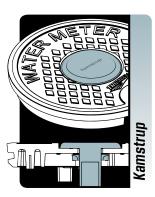














As some meter manufacturers offer more than one through-the-lid antenna or adapter, dimensions should be confirmed at time of order.

For dimensions, load ratings and additional options, refer to product information chart on pages 18 - 28.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com



Available for our Polymer Lids and Composite Lids.
Minimum order quantities apply.



For dimensions, load ratings and additional options, refer to the product information chart on pages 18 - 28.

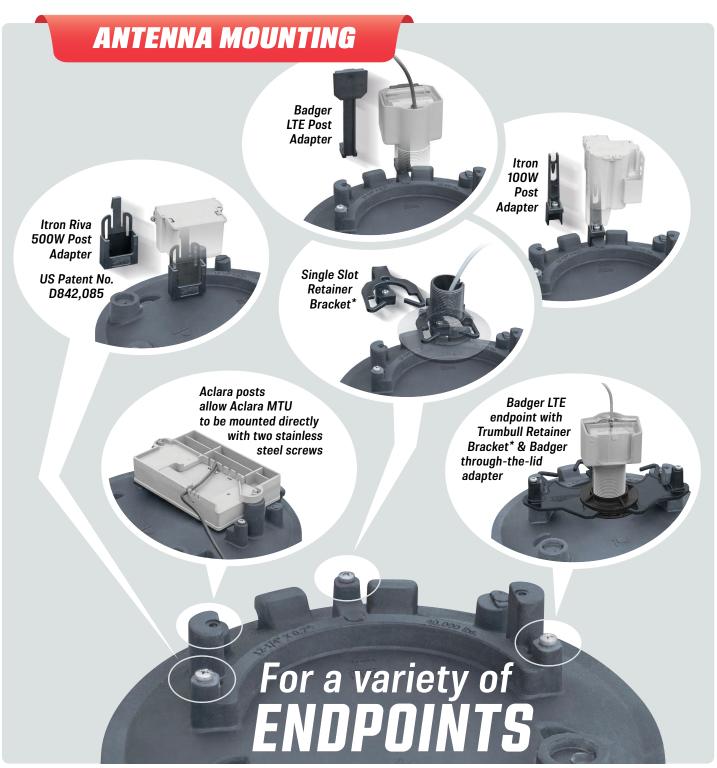


3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales Email 828-735-1978 sales@jxtcompany.com

www.trumbull-mfg.com



^{*} Both Retainer Brackets will fit all antennas or through-the-lid adapters with 1-3/4" shaft. The elevation of the meter in the pit may cause interference with the endpoint which should be verified.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com







Our Frame and Cover Assemblies have threaded inserts in the frame to accept stainless screws (see page 31 & 33) or optional security screws (see page 40).









Quarter-Turn Double Paddle Lock Style

Two paddles on opposite sides of the lid lock into slots in frame. Also offered as an alternative to bolt-down style Frame and Cover Assemblies.

REDUCING RINGS

Fabricated Reducing Rings

are customized to permit a standard lid size to fit a non-standard frame size. Ideal when time constraints or small quantities make a new mold impractical.



For dimensions, load ratings and additional options, refer to the product information chart on pages 18 - 28.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com

Composite Oval Remote Antenna Box

13.42" x 9.29" Lid Size - Sold Complete with Box and Lid Together



The Oval Remote Antenna Box provides a good solution to house endpoints when replacement composite lids are not available to replace the larger cast iron lid.

Designed to accept up to 3 Badger endpoints in the box, rather than attached to the lid, reducing the chance of ripping wires when removing lids.

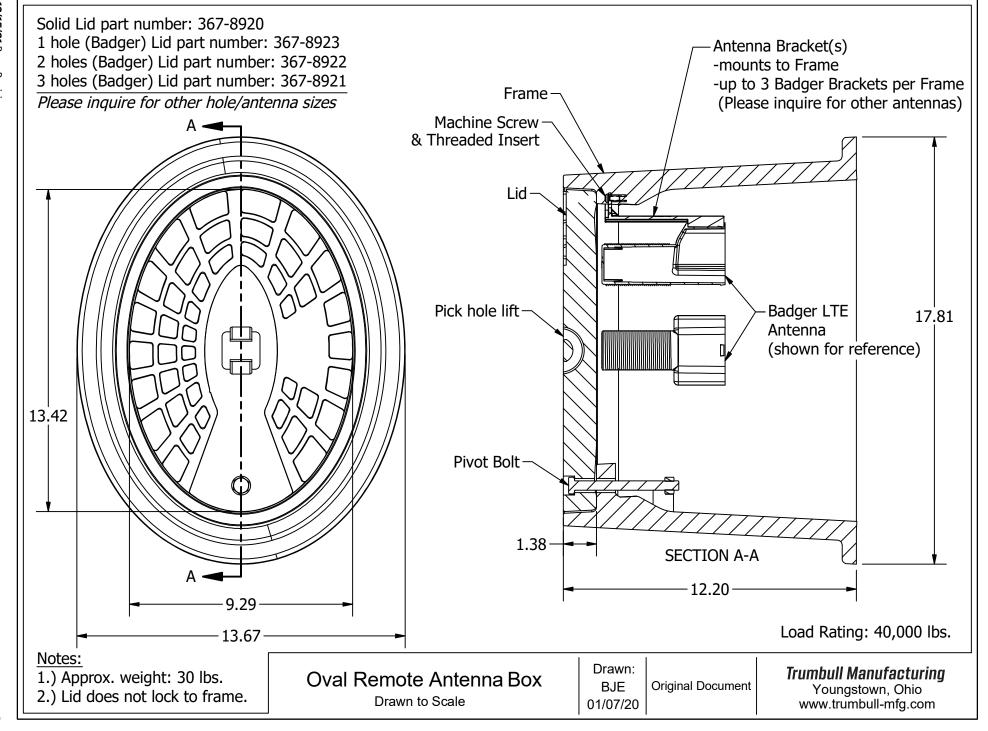
Made of durable SMC composite material. Box and solid lid are rated for a 40,000 lbs. test load, per AASHTO M-306, H-20. For load ratings with antenna holes throught the lid, please inquire.







Item №	Lid Description	Height	Weight
367-8920	Solid Lid	12"	30.00 lbs.
367-8923	1 Badger Counterbore	12"	29.90 lbs.
367-8922	2 Badger Counterbores	12"	29.80 lbs.
367-8921	3 Badger Counterbores	12"	29.70 lbs.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

10"x 6.5" Polymer Yokebox Lids

Allows Radio Signals to be Read in AMR and AMI Systems



SLIDING LOCK: shown in closed positition

UNDERSIDE

shown in open positition

Made to fit inside Ford and A Y McDonald Yokeboxes. Post on underside accommodates our Single Slot Retainer Bracket and Post Adapters. Counterbores also available for through-the-lid antenna mounting. Sliding lock mechanism provided in Nylon as standard, but also available in brass, please inquire. All other hardware is stainless steel.

Yokebox Lids

Item №.	Lid Description	Weight
367-5657	Solid Lid	0.83 lbs.
367-5657- <u>BADG</u>	1 Badger Hole	0.76 lbs.
367-5657- <u>ITRON</u>	1 Itron Hole	0.80 lbs.
367-5657- <u>MUEL</u>	1 Mueller Hole	0.76 lbs.
367-5657- <u>SENS</u>	1 Sensus or Zenner Hole	0.66 lbs.
367-5657- <u>TH</u>	1 Through Hole (1.88")	0.82 lbs.

Yokebox Lids Accessories

Don't forget the Custom

Hand Key

*Item № Weight*367-4334 0.40 lbs.

Single Slot Retainer Bracket Details shown on page 9

Item № Weight 367-5782 0.05 lbs.

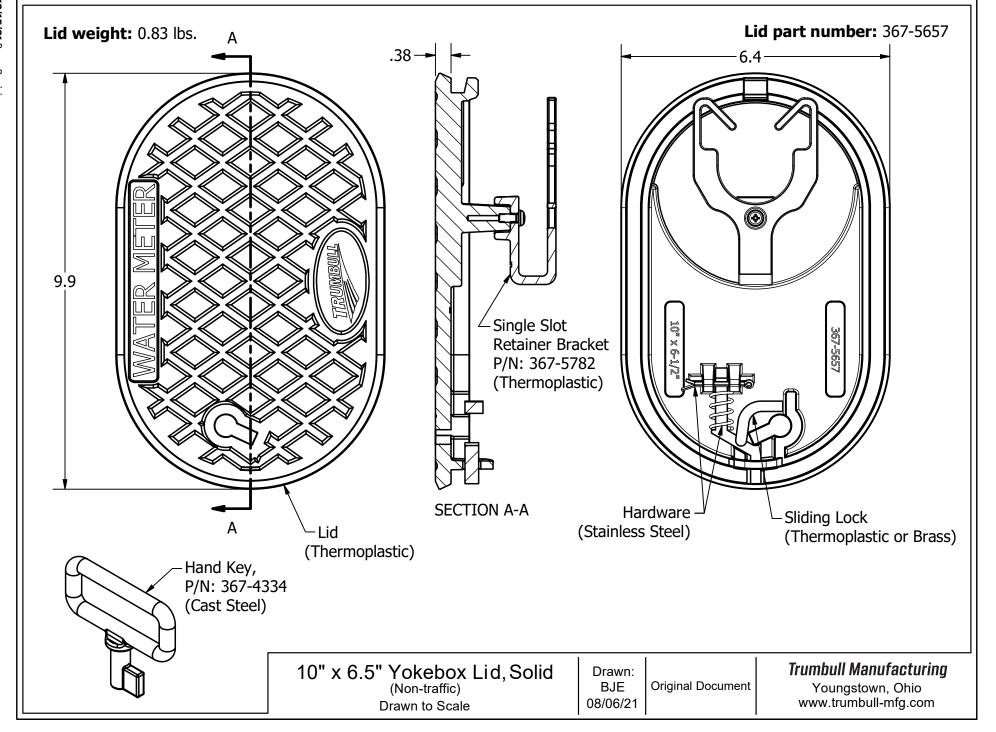
	5" UPPER YOKEBOX	8" UPPER YOKEBOX	10" UPPER YOKEBOX
BADGER	×	\checkmark	√
ITRON	×	\checkmark	\checkmark
MUELLER	×	×	\checkmark
SENSUS	×	×	\checkmark
ZENNER	×	×	\checkmark
NEPTUNE KAMSTRUP	Due to lack a throug	of space for o h hole will be p	counterbore, provided.

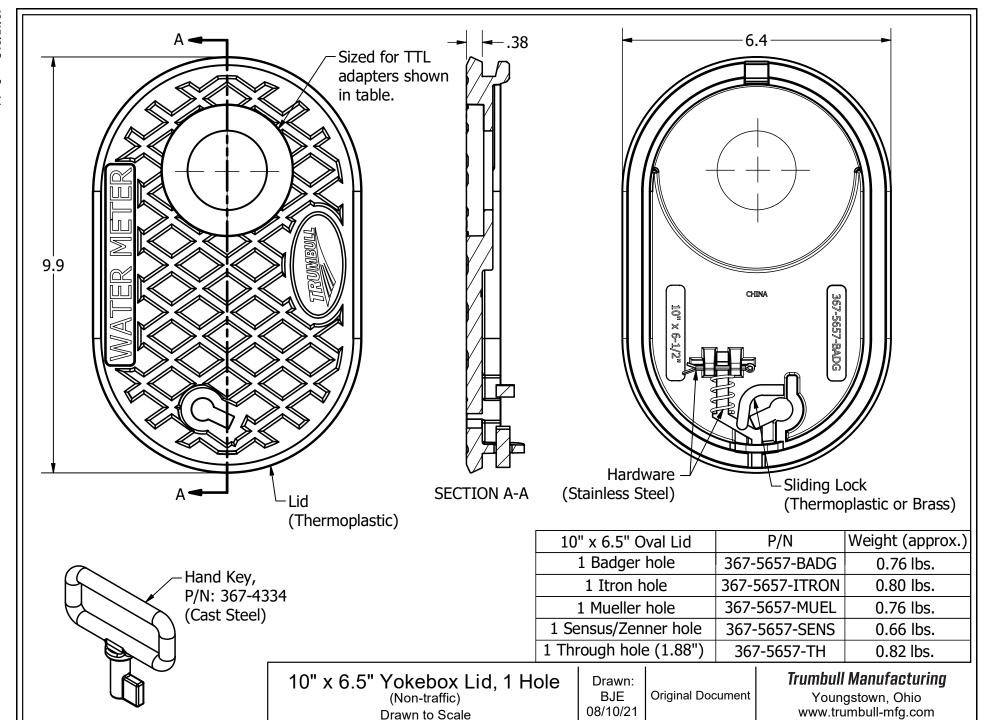
SINGLE SLOT RETAINER BRACKET (FOR SOLID LIDS)

BADGER	×	\checkmark	\checkmark
ITRON RIVA 500W	×	\checkmark	\checkmark
ITRON 100W	×	×	\checkmark
MUELLER	×	×	×
SENSUS	×	×	\checkmark
NEPTUNE	×	✓	\checkmark
KAMSTRUP	×	√	√

POST ADAPTER (FOR SOLID LIDS)

BADGER	×	✓	\checkmark
ITRON RIVA 500W	×	\checkmark	\checkmark
ITRON 100W	×	×	✓







3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com

METER PIT INSULATING DISCS

- Closed cell polyethylene
- 1.7 Density
- 2.5 R-Value
- Less than 0.1 water absorption
- White in color



For larger sizes not shown, please inquire

15" Diameter			18	8" Diamete	r		
Thickness	Item №	Size	Weight	Item	Nº	Size	Weight
2"	367-5824	15" x 2"	0.40 lbs.	367-5	828	18" x 2"	0.50 lbs.
3″	367-5825	15" x 3"	0.60 lbs.	367-5	829	18" x 3"	0.75 lbs.
4"	367-5826	15" x 4"	0.80 lbs.	367-5	830	18" x 4"	1.00 lbs.

RELATED PRODUCT

Ductile Iron Meter Box Cover

Accepts All Trumbull 12-1/4" OD Lids

Trumbull double lid Meter Box Covers provide both physical and frost protection for underground meters. The insulating air space captured in the ductile iron base casting, between the lid and the plastic frost liner, helps keep the ground heat inside the meter chamber to reduce the chance of freezing. The internal plastic frost liner is molded with a central hub to permit easy removal.



Use of frost liner is not compatible with most antenna mountings. Consult your Trumbull Rep for more info.

Item №	Frame	Weight
367-5466	DI Meter Box Cover Base (T4-21)	75.00 lbs.
367-5462	Frost Liner	0.63 lbs.





Customer Information

Name

Company _____

Project Location _____

Phone _____

Manhole and Meter Pit Lid **FIELD SURVEY FORM**

NOTE: All dimensions to be taken from frame

New Cover De	etails
--------------	--------

IF٦	TERI	٧G

	SAMITART SEWER
٦	"\A/ATED METED"

_		 ٠.	 •	_
\neg	Ott.			

LOAD RATING REQUIRED

Hea	vy D	uty /	AASH	HTO	M306,	H-20;	40,000	lbs.
		_						

	Medium	Duty;	20,000	lbs.
$\overline{}$		•	•	

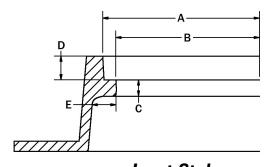
Light	Duty;	5,000	lbs
-------	-------	-------	-----

AMI/AMR Antenna & Leak Detection Mounting

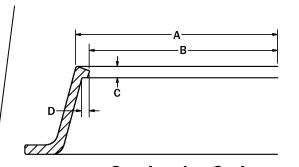
	Bracket	mounting	on	underside
	Diadict	mounting	OH	underside

Through-the-lid,	flush	with	grade
Trii ougii tiic iiu,	IIUJII	AAICII	grade

Mfg & model of endpoin	nt	
------------------------	----	--



Inset Style



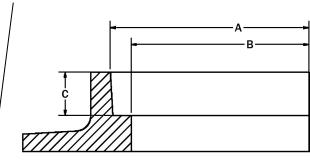
Frame Manufacturer Information

Lid Make & Model No. ________

Lettering On Lid ______

Frame Make & Model No.

Overlapping Style



Straight Wall ID Style

Lid Style	Address	Α	В	С	D	E



OUR 20,000 LB. LIDS HAVE NOMINAL LOAD RATINGS:

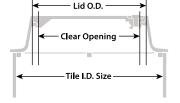
Based on past load tests of specific sizes and lid configurations. When test reports are required, please inquire at the time of quote, stating the test load required and if lids will be solid or have a specific antenna counterbore. A separate testing charge may apply.

PENTAGON BOLTS: Water meter lids are normally furnished with standard (27/32") brass pentagon bolt, but are also available with large (1-1/32") brass pentagon bolt. Not furnished on drop-in style lids. WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available. **RECESSES:** All lids with antenna recesses have thru hole diameter of 1.88".

Not furnished on drop-in style lids.

BEARING WASHERS: Polymer lids have UHMWPE bearing washers above and below lid. Composite Lids include a brass bearing washer below the lid and brass flanged sleeve (protects hole from elongation) above the lid. Not furnished on drop-in style lids. **ADDITIONAL NOTES:** Explanations for asterisk (*) and (*) points shown on page 46.



LID DIMENSIONS Types and		FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess ⊘ 3.13" x 0.41" dp	ITRON 60W, 100W, RIVA Antenna Recess ⊗ 2.84" x 0.26" dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	NEPTUNE** (FIGURE 8) Antenna Recess ⊘ 4.63" x 0.43" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41" dp
10-3/8" OD	Non-Traffic / Polymer		367-5530	367-5531	367-5532		367-5533	367-5534	367-5535
Clear Opening: 9-1/2" Rim Thickness: 0.65"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	Ford W2A	1.85 lbs.	1.75 lbs. 500 pcs min	1.77 lbs. 500 pcs min		1.80 lbs. 500 pcs min	1.73 lbs. 500 pcs min	1.77 lbs. 500 pcs min
10-3/8" OD	Non-Traffic / Polymer	Newport News	5901-TMI				5902-TMI		
Clear Opening: 9-1/2" Rim Thickness: 3/8" "NEWPORT NEWS WATERWORKS"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	Meter Box No. 1 and Capital Foundry	1.42 lbs. 500 pcs min				1.60 lbs. 500 pcs min		
10-3/8" OD	Non-Traffic / Polymer		367-5581				367-5581- <u>MUEL</u>		
Clear Opening: 9-1/2" Rim Thickness: 3/8"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	Capital Foundry	1.42 lbs. 500 pcs min				1.60 lbs. 500 pcs min		
11-7/8" OD	Non-Traffic / Composite		367-5639	367-5638					
Clear Opening: 10" Rim Thickness: 5/8"	DI WORM GEAR (1.5" OD) US Patent No. D858,797 Solid Lids* or MegaNet Antenna Recess	Clark Meter Box Frame	6.00 lbs.	5.60 lbs. MegaNet Recess (Not for Badger)					
11.91" OD	40,000 lbs. / Composite	Wilmington, DE	367-5632						
Clear Opening: 10.7" Rim Thickness: 1"	DUCTILE IRON WORM GEAR Solid Lids* Only	(Old Style) Inner Lid	8.52 lbs.						
12-1/8" OD	Non-Traffic / Polymer		367-5660	367-5664	367-5666			367-5662	367-5659
Clear Opening: 11" Rim Thickness: 5/8"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	Mueller A and C	3.00 lbs. 500 pcs min	2.90 lbs. 500 pcs min	2.90 lbs. 500 pcs min			2.80 lbs. 500 pcs min	2.90 lbs. 500 pcs min

Lids marked "WATER METER" are continued on the following page.



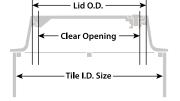
OUR 20,000 LB. LIDS HAVE NOMINAL LOAD RATINGS:

Based on past load tests of specific sizes and lid configurations. When test reports are required, please inquire at the time of quote, stating the test load required and if lids will be solid or have a specific antenna counterbore. A separate testing charge may apply.

PENTAGON BOLTS: Water meter lids are normally furnished with standard (27/32") brass pentagon bolt, but are also available with large (1-1/32") brass pentagon bolt. Not furnished on drop-in style lids.

WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears. Not furnished on drop-in style lids.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available. **RECESSES:** All lids with antenna recesses have thru hole diameter of 1.88".



A separate testing ch	агус тау арргу.		SOLID LID	BADGER	ITRON 60W, 100W, RIVA	KAMSTRUP	MUELLER	NEPTUNE** (FIGURE 8)	SENSUS OR ZENNER
	S, LOAD RATINGS, D MATERIALS	FITS FRAME TYPES	No Antenna Recess	Antenna Recess Ø 3.13" x 0.41" dp	Antenna Recess Ø 2.84" x 0.26" dp	Antenna Recess Ø 5.06" x 0.50" dp	Antenna Recess Ø 3.36" x 0.33" dp	Antenna Recess Ø 4.63" x 0.43" dp	Antenna Recess Ø 4.11" x 0.41"dp
12-1/8" OD	20,000 lbs. / Polymer		367-5671	367-5673	367-5674			367-5672	367-5668
Clear Opening: 11" Rim Thickness: 5/8"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	Mueller A and C	3.00 lbs.	2.90 lbs.	2.90 lbs.			2.80 lbs.	2.90 lbs.
12-1/4" OD	20,000 lbs. / Polymer	Ford A, C, and X	367-5810	367-5811	367-5812	367-5816	367-5813	367-5814	367-5815
Clear Opening: 11-1/2" Rim Thickness: 0.65"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	AY McDonald A and C Tyler 6150	3.06 lbs.	2.70 lbs.	2.72 lbs.	2.52 lbs.	2.72 lbs.	2.59 lbs.	2.62 lbs.
12-1/4" OD	20,000 lbs. / Polymer	Ford A, C, and X		367-5823	367-5817	367-5821	367-5818	367-5819	367-5820
Clear Opening: 11-1/2" Rim Thickness: 0.65"	NYLON WORM GEAR 2 Antenna Recesses	AY McDonald A and C Tyler 6150		2.53 lbs.	2.60 lbs.	2.14 lbs.	2.53 lbs.	2.27 lbs.	2.34 lbs.
12-1/4" OD	20,000 lbs. / Polymer		367-5764	367-5762	367-5760			367-5763	367-5761
Clear Opening: 11-1/2"	NYLON WORM GEAR	Ford A and C AY McDonald	3.14 lbs.	3.03 lbs.	3.07 lbs.			2.92 lbs.	2.97 lbs.
Rim Thickness: 0.7"	Solid Lids* or with 1 Antenna Recess	A and C	- Use - 367-5810	- Use - 367-5811	- Use - 367-5812			- Use - 367-5814	- Use - 367-5815
12-1/4" OD	20,000 lbs. / Polymer	Ford A, C, and X	367-5751	367-5752	367-5754			367-5755	367-5753
Clear Opening: 11-1/2" Rim Thickness: 0.7"	NYLON WORM GEAR	AY McDonald	3.04 lbs.	2.87 lbs.	2.91 lbs.			2.82 lbs.	2.87 lbs.
KIM INICKNESS: U.7"	Solid Lids* or with 1 Antenna Recess	A and C Tyler 6150	- Use - 367-5810	– Use – 367–5811	- Use - 367-5812			- Use - 367-5814	- Use - 367-5815
12-1/4" OD	40,000 lbs. / Polymer	5 14 16	367-5670	367-5676	367-5678			367-5675	367-5677
Clear Opening: 11-1/2" Rim Thickness: 0.7"	DUCTILE IRON WORM GEAR Solid Lids* or with 1 Antenna Recess	Ford A and C AY McDonald type A	3.93 lbs. 500 pcs min	3.81 lbs. 500 pcs min	3.85 lbs. 500 pcs min			3.71 lbs. 500 pcs min	3.73 lbs. 500 pcs min



OUR 20,000 LB. LIDS HAVE NOMINAL LOAD RATINGS:

Based on past load tests of specific sizes and lid configurations. When test reports are required, please inquire at the time of quote, stating the test load required and if lids will be solid or have a specific antenna counterbore. A separate testing charge may apply.

PENTAGON BOLTS: Water meter lids are normally furnished with standard (27/32") brass pentagon bolt, but are also available with large (1-1/32") brass pentagon bolt. Not furnished on drop-in style lids.

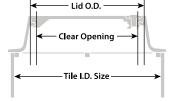
WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears. Not furnished on drop-in style lids.

 $\textbf{\textit{LETTERING:}} \ \textit{Lids normally furnished marked "WATER METER"}, \textit{special lettering available.}$

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".

BEARING WASHERS: Polymer lids have UHMWPE bearing washers above and below lid. Composite Lids include a brass bearing washer below the lid and brass flanged sleeve (protects hole from elongation) above the lid. Not furnished on drop-in style lids.

ADDITIONAL NOTES: Explanations for asterisk (*) and (*) points shown on page 46.



A separate testing chai	A separate testing charge may apply.			24222	ITRON 60W,	// 1.40 - 1.10		NEPTUNE**	SENSUS
LID DIMENSIONS Types and		FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	100W, RIVA Antenna Recess Ø 2.84" x 0.26"dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	(FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	OR ZENNER Antenna Recess Ø 4.11" x 0.41" dp
12-1/4" OD	40,000 lbs. / Composite		367-5518	367-5591	367-5519			367-5593	367-5592
Clear Opening: 11-1/2" Rim Thickness: 0.7"	DUCTILE IRON WORM GEAR Solid Lids* or with 1 Antenna Recess	Ford A and C AY McDonald type A	Available w/out Logo 367-5517 (40K) 9.54 lbs.	9.00 lbs.	9.01 lbs.			8.70 lbs.	8.71 lbs.
12-3/4" OD	Non-Traffic / Polymer	Newport News	4946-TMI				4945-TMI		
Clear Opening: 11-5/8" Rim Thickness: 3/8" "NEWPORT NEWS WATERWORKS"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	Meter Box No. 2 and Capital Foundry	Also available w/out NN Lettering (Non-Traffic) 2.20 lbs.				Also available w/out NN Lettering (Non-Traffic) 2.20 lbs.		
12.438" OD	Non-Traffic / Polymer		367-5719	367-5721	367-5722		367-5723	367-5724	367-5725
Clear Opening: 11" Rim Thickness: 0.65"	DROP-IN STYLE Solid Lids* or with 1 Antenna Recess	American Foundry, and misc.	3.30 lbs. 250 pcs min	3.10 lbs. 250 pcs min	3.10 lbs. 250 pcs min		2.90 lbs. 250 pcs min	2.90 lbs. 250 pcs min	3.00 lbs. 250 pcs min
12.438" OD	20,000 lbs. / Polymer		367-5720						
Clear Opening: 11" Rim Thickness: 0.65"	DROP-IN STYLE Solid Lid* Only	MO American	3.30 lbs. 250 pcs min						
12-5/8″ OD	Non-Traffic / Polymer	Ford, AY McD,	367-5769						
Clear Opening: 11-1/2" Rim Thickness: 9/16"	NYLON WORM GEAR Solid Lid* or Machined Recess	Vestal and B&T Type C and Baltimore	3.08 lbs. 500 pcs min	Antenna recesses can be machined in the lid, charges may apply.					
12-5/8″ OD	20,000 lbs. / Polymer	Ford. AY McD.	367-5767						
Clear Opening: 11-1/2" Rim Thickness: 9/16"	NYLON WORM GEAR Solid Lid* or Machined Recess	Vestal and B&T Type C and Baltimore	3.08 lbs.		Antenna	recesses can be machin Load ratings may vary		nay apply.	

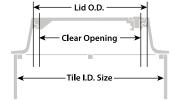
Lids marked "WATER METER" are continued on the following page.



WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears. Not furnished on drop-in style lids.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available.

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".



LID DIMENSIONS Types and	, LOAD RATINGS, MATERIALS	FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	ITRON 60W, 100W, RIVA Antenna Recess Ø 2.84" x 0.26"dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50"dp	MUELLER Antenna Recess Ø 3.36" x 0.33"dp	NEPTUNE** (FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41" dp
12-5/8" OD	40,000 lbs. / Composite	Ford, Vestal	367-5669						
Clear Opening: 11-1/2" Rim Thickness: 1"	Solid Lid* Only	and B&T Type C and Baltimore	10.74 lbs.		Antenna	recesses can be machin Load ratings may vary	ned in the lid, charges m depending on its size.	ay apply.	
13" x 17-9/32" OD	25,000 lbs. / Composite		367-5650						
(Oval Shape Lid) Rim Thickness: 0.79"	DROP-IN STYLE Solid Lid* Only	MB-10 Oval	14.80 lbs.						
14" x 16" MB Dual Lid	Non-Traffic / Polymer		367-5594		367-5595				
(Rectangle Shape Lid) Clear Opening: 13" x 15-1/8" Rim Thickness: 1-1/2"	DROP-IN STYLE Solid Lids* or with 1 Antenna Recess	Brooks MB Dual Frame	7.70 lbs.		7.60 lbs.				
14" x 16" MB Dual Lid	Non-Traffic / Polymer				367-5596				
(Rectangle Shape Lid) Clear Opening: 13" x 15-1/8" Rim Thickness: 1-1/2"	DROP-IN STYLE 2 Antenna Recesses	Brooks MB Dual Frame			7.50 lbs.				
15.4" OD	Non-Traffic / Polymer		367-5644	367-5646	367-5648		367-5649	367-5645	367-5647
Clear Opening: 14.7" Rim Thickness: 0.7"	UHMWPE WORM GEAR Solid Lids* or with 1 Antenna Recess	Mueller and AY McDonald Coil Pit Setter	5.65 lbs.	5.45 lbs.	5.45 lbs. 200 pcs min		5.45 lbs. 200 pcs min	5.35 lbs. 200 pcs min	5.40 lbs. 200 pcs min
16-1/16" OD	Non-Traffic / Polymer	Vestal type A,	367-5771	367-5773	367-5775			367-5772	367-5774
Clear Opening: 15" Rim Thickness: 21/32"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	Ford type C, AY McDonald type C	6.04 lbs. 100 pcs min	5.96 lbs. 100 pcs min	6.01 lbs. 100 pcs min			5.76 lbs. 100 pcs min	5.84 lbs. 100 pcs min

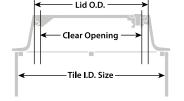


WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears. Not furnished on drop-in style lids.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available.

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".

BEARING WASHERS: Polymer lids have UHMWPE bearing washers above and below lid. Composite Lids include a brass bearing washer below the lid and brass flanged sleeve (protects hole from elongation) above the lid. Not furnished on drop-in style lids. **ADDITIONAL NOTES:** Explanations for asterisk (*) and (*) points shown on page 46.



	S, LOAD RATINGS, I materials	FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	ITRON 60W, 100W, RIVA Antenna Recess Ø 2.84" x 0.26"dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	NEPTUNE** (FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41"dp
16-3/16" OD	40,000 lbs. / Composite	B&T, Vestal, Ford,	367-5680						
Clear Opening: 15" Rim Thickness: 1"	DUCTILE IRON WORM GEAR Solid Lids* or with 1 Antenna Recess	AÝ McDonald type C and Baltimore	14.20 lbs.		Antenna	recesses can be machir Load ratings may vary		nay apply.	
17-1/4″ OD	Non-Traffic / Polymer		367-5588	367-5588- <u>BADG</u>	367-5588- <u>ITRON</u>	367-5588- <u>kams</u>	367-5588- <u>MUEL</u>	367-5588- <u>NEPT</u>	367-5588- <u>sens</u>
Clear Opening: 14" Rim Thickness: 0.5"	DROP-IN STYLE Solid Lids* or with 1 Antenna Recess	Flat Lid for 15" Plastic Pit	4.40 lbs. 250 pcs min	4.06 lbs. 250 pcs min	4.09 lbs. 250 pcs min	3.85 lbs. 250 pcs min	4.06 lbs. 250 pcs min	3.92 lbs. 250 pcs min	3.99 lbs. 250 pcs min
17-1/4" OD	Non-Traffic / Polymer			367-5588- <u>2BADG</u>	367-5588- <u>2ITRON</u>	367-5588- <u>2KAMS</u>	367-5588- <u>2MUEL</u>	367-5588- <u>2NEPT</u>	367-5588- <u>2SENS</u>
Clear Opening: 14" Rim Thickness: 0.5"	DROP-IN STYLE 2 Antenna Recesses	Flat Lid for 15" Plastic Pit		4.14 lbs. 250 pcs min	4.21 lbs. 250 pcs min	3.73 lbs. 250 pcs min	4.14 lbs. 250 pcs min	4.15 lbs. 250 pcs min	3.87 lbs. 250 pcs min
17-3/4" OD	Non-Traffic / Composite		367-5681						
Clear Opening: 16-1/8" Rim Thickness: 1-1/16" Cap Style Lid	DROP-IN STYLE Solid Lids* Only	Owosso Central Castings Co.	12.80 lbs.						
18-7/8" OD	40,000 lbs. / Composite		367-5615		367-5614				
Clear Opening: 18" Rim Thickness: 7/16"	DUCTILE IRON WORM GEAR Solid Lids* or with 1 Antenna Recess	18" AY McDonald Pit Setter	24.60 lbs.		23.90 lbs.				
19.35" OD	Non-Traffic / Polymer		367-5590	367-5590- <u>BADG</u>	367-5590- <u>ITRON</u>	367-5590- <u>KAMS</u>	367-5590- <u>MUEL</u>	367-5590- <u>NEPT</u>	367-5590- <u>sens</u>
Clear Opening: 17" Rim Thickness: 0.56"	DROP-IN STYLE Solid Lids* or with 1 Antenna Recess	Flat Lid for 18" Plastic Pit	6.07 lbs.	5.71 lbs.	5.75 lbs. 200 pcs min	5.51 lbs. 200 pcs min	5.72 lbs. 200 pcs min	5.58 lbs. 200 pcs min	5.64 lbs.

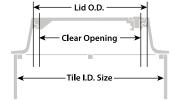
Lids marked "WATER METER" are continued on the following page.



WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears. Not furnished on drop-in style lids.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available.

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".



	S, LOAD RATINGS, MATERIALS	FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	ITRON 60W, 100W, RIVA Antenna Recess Ø 2.84" x 0.26"dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	NEPTUNE*** (FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41" dp
19.35" OD Clear Opening: 17"	Non-Traffic / Polymer DROP-IN STYLE	Flat 1:45 1011		367-5590- <u>2BADG</u>	367-5590- <u>21TRON</u>	367-5590- <u>2KAMS</u>	367-5590- <u>2MUEL</u>	367-5590- <u>2NEPT</u>	367-5590- <u>2SENS</u>
Rim Thickness: 0.56"	2 Antenna Recesses	Flat Lid for 18" Plastic Pit		5.80 lbs. 200 pcs min	5.87 lbs. 200 pcs min	5.39 lbs. 200 pcs min	5.80 lbs. 200 pcs min	5.54 lbs. 200 pcs min	5.66 lbs. 200 pcs min
19-3/4" OD	40,000 lbs. / Composite	EJ 1525 "	367-5688						
Clear Opening: 18" Rim Thickness: 2-3/16"	DOUBLE PADDLE LOCK (DI) Solid Lids* Only	Neenah R-1566 " Baltimore	33.00 lbs.						
19-13/16" OD	40,000 lbs. / Composite		367-5631						
Clear Opening: 18-1/2" Rim Thickness: 1" "CWD-2"	DUCTILE IRON WORM GEAR Solid Lids* Only	EJ 2990 Neenah R-1892	28.30 lbs.						
21-3/16" OD	Non-Traffic / Polymer	Ford and	367-5605	367-5605- <u>BADG</u>	367-5605- <u>ITRON</u>	367-5605- <u>KAMS</u>	367-5605- <u>MUEL</u>	367-5605- <u>NEPT</u>	367-5605- <u>SENS</u>
Clear Opening: 20" Rim Thickness: 0.77"	NYLON WORM GEAR Solid Lids* or with 1 Antenna Recess	AY McDonald Monitor Covers and Pit Rings	10.91 lbs.	10.81 lbs.	10.77 lbs.	10.57 lbs.	10.79 lbs.	10.63 lbs.	10.70 lbs.
21-3/16" OD	40,000 lbs. / Composite	Ford and	367-5610	367-5786	367-5788			367-5785	367-5787
Clear Opening: 20" Rim Thickness: 0.77"	DUCTILE IRON WORM GEAR Solid Lids* or with 1 Antenna Recess	AY McDonald Monitor Covers and Pit Rings	31.30 lbs.	30.60 lbs.	30.70 lbs.			30.50 lbs.	30.30 lbs.
21-3/4" OD	20,000 lbs. / Composite		367-5633						
Clear Opening: 20" Rim Thickness: 1-1/4"	DROP-IN STYLE Solid Lids* Only	Arlington, VA	23.10 lbs.						



WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears. Not furnished on drop-in style lids.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available.

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".



	S, LOAD RATINGS, D MATERIALS	FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	ITRON 60W, 100W, RIVA Antenna Recess Ø 2.84" x 0.26"dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	NEPTUNE** (FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41"dp
22-3/4" OD	40,000 lbs. / Composite		367-8905						
Clear Opening: 21" Rim Thickness: 1-11/16"	DUCTILE IRON WORM GEAR Solid Lids* Only	EJ 1020 Neenah R-1580	45.70 lbs.						
23-3/4" OD	20,000 lbs. / Composite		367-5634						
Clear Opening: 22" Rim Thickness: 1"	DROP-IN STYLE Solid Lids* Only	Arlington, VA	26.30 lbs.						
23-3/4" OD	40,000 lbs. / Composite	FL14E0 and 1000	367-8908						
Clear Opening: 21-1/2" Rim Thickness: 1"	DUCTILE IRON WORM GEAR Solid Lids* Only	EJ 1450 and 1690 Neenah R-1771 Neenah R-1785	44.80 lbs.						
23-3/4" OD	40,000 lbs. / Composite	Trumbull Frame	367-8910						
Clear Opening: 21-1/2" Rim Thickness: 1"	UHMWPE WORM GEAR *** Solid Lids* Only	367-5623 4 Badger LTE Brackets in frame	44.80 lbs.						
23-3/4" OD	40,000 lbs. / Composite	Trumbull Frame	367-8912	367-8914					
Clear Opening: 21-1/2" Rim Thickness: 1" "AURORA"	UHMWPE WORM GEAR Solid Lids* or with 1 Antenna Recess	367-5623 4 Badger LTE Brackets in frame	44.80 lbs.	44.60 lbs. Non-Traffic					
23-3/4" OD	Non-Traffic / Composite Trumbull Fram	Trumbull Frame		367-8916					
Clear Opening: 21-1/2" Rim Thickness: 1" "AURORA"	UHMWPE WORM GEAR *** 2 Antenna Recesses	367-5623 4 Badger LTE Brackets in frame		44.50 lbs.					

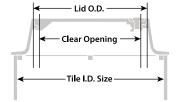


PENTAGON BOLTS: Water meter lids are normally furnished with standard (27/32") brass pentagon bolt, but are also available with large (1-1/32") brass pentagon bolt. Not furnished on drop-in style lids.

WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears.

Not furnished on drop-in style lids. **LETTERING:** Lids normally furnished marked "WATER METER", special lettering available.

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".



	S, LOAD RATINGS, MATERIALS	FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	ITRON 60W, 100W, RIVA Antenna Recess Ø 2.84" x 0.26" dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	NEPTUNE** (FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41" dp
24" OD	Non-Traffic / Polymer		367-5597	367-5597- <u>BADG</u>	367-5597- <u>ITRON</u>	367-5597- <u>KAMS</u>	367-5597- <u>MUEL</u>	367-5597- <u>NEPT</u>	367-5597- <u>sens</u>
Clear Opening: 19" Rim Thickness: 0.56"	DROP-IN STYLE Solid Lids* or with 1 Antenna Recess	Flat Lid for 20" and 21" Plastic Pit	8.57 lbs.	8.22 lbs.	8.25 lbs.	8.00 lbs.	8.22 lbs.	8.09 lbs.	8.15 lbs.
24" OD	Non-Traffic / Polymer			367-5597- <u>2BADG</u>	367-5597- <u>21TRON</u>	367-5597- <u>2KAMS</u>	367-5597- <u>2MUEL</u>	367-5597- <u>2NEPT</u>	367-5597- <u>28ENS</u>
Clear Opening: 19" Rim Thickness: 0.56"	DROP-IN STYLE 2 Antenna Recesses	Flat Lid for 20" and 21" Plastic Pit		8.31 lbs.	8.38 lbs.	7.90 lbs.	8.32 lbs.	8.05 lbs.	8.17 lbs.
24-3/16" OD	40,000 lbs. / Composite		5218-TMI						
Clear Opening: 21" Rim Thickness: 3" "WSNY"	DUCTILE IRON WORM GEAR Solid Lids* Only T316SS Pentagon Bolt	NYC	60.50 lbs.						
25-1/4" OD	40,000 lbs. / Composite		367-5685						
Clear Opening: 22-3/4" Rim Thickness: 2"	DUCTILE IRON WORM GEAR Solid Lids* Only	EJ 1700	63.50 lbs.						
25-3/4" OD	40,000 lbs. / Composite	.	367-5698						
Clear Opening: 24" Rim Thickness: 2-1/2"	DOUBLE PADDLE LOCK (DI) Solid Lids* Only	EJ 1543/1545 Neenah R-1565 Baltimore	64.00 lbs.						
25-1/2″ OD	40,000 lbs. / Composite		367-5527						
Clear Opening: 24-3/16" Rim Thickness: 1-1/4" "CWD"	DUCTILE IRON WORM GEAR Solid Lids* Only	EJ 1040, 1045, 1048 and 1705	54.00 lbs.						



PENTAGON BOLTS: Water meter lids are normally furnished with standard (27/32") brass pentagon bolt, but are also available with large (1-1/32") brass pentagon bolt. Not furnished on drop-in style lids. **WORM GEARS:** Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron

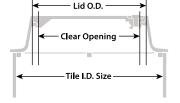
'ORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears.

Not furnished on drop-in style lids.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available.

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".

BEARING WASHERS: Polymer lids have UHMWPE bearing washers above and below lid. Composite Lids include a brass bearing washer below the lid and brass flanged sleeve (protects hole from elongation) above the lid. Not furnished on drop-in style lids. **ADDITIONAL NOTES:** Explanations for asterisk (*) and (*) points shown on page 46.



LID DIMENSIONS Types and		FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	ITRON 60W, 100W, RIVA Antenna Recess ∅ 2.84" x 0.26" dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	NEPTUNE** (FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41"dp
25-1/2" OD Clear Opening: 24-3/16" Rim Thickness: 1-1/4"	40,000 lbs. / Composite UHMWPE WORM GEAR Solid Lids* Only	Trumbull Frame 367-5635	367-5528 54.00 lbs.						
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	Non-Traffic / Polymer DROP-IN STYLE Solid Lids* or with 1 Antenna Recess	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete	367-5560 27.80 lbs.	367-5562 27.60 lbs. 250 pcs min	367-5563 27.60 lbs. 250 pcs min	367-5582 27.40 lbs. 250 pcs min	367-5564 27.60 lbs. 250 pcs min	367-5565 27.40 lbs. 250 pcs min	367-5566 27.50 lbs. 250 pcs min
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	Non-Traffic / Polymer DROP-IN STYLE 2 Antenna Recesses	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete		367-5572 27.50 lbs. 250 pcs min	367-5573 27.50 lbs. 250 pcs min	367-5584 27.00 lbs. 250 pcs min	367-5574 27.40 lbs. 250 pcs min	367-5575 27.00 lbs. 250 pcs min	367-5576 27.30 lbs. 250 pcs min
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	Non-Traffic / Polymer BOLT-DOWN STYLE Solid Lids* or with 1 Antenna Recess	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete	367-5561 27.70 lbs.	367-5567 27.50 lbs. 250 pcs min	367-5568 27.50 lbs. 250 pcs min	367-5583 27.30 lbs. 250 pcs min	367-5569 27.50 lbs. 250 pcs min	367-5570 27.30 lbs. 250 pcs min	367-5571 27.40 lbs. 250 pcs min
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	Non-Traffic / Polymer BOLT-DOWN STYLE 2 Antenna Recesses	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete		367-5577 27.40 lbs. 250 pcs min	367-5578 27.40 lbs. 250 pcs min	367-5585 26.90 lbs. 250 pcs min	367-5579 27.30 lbs. 250 pcs min	367-5580 26.90 lbs. 250 pcs min	367-5581 27.20 lbs. 250 pcs min
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	40,000 lbs. / Composite DROP-IN STYLE Solid Lids* or with 1 Antenna Recess	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete	367-5560- <u>40K</u> 52.00 lbs. 25 pcs min	367-5562- <u>40K</u> 51.20 lbs. 25 pcs min	367-5563- <u>40K</u> 51.30 lbs. 25 pcs min		367-5564- <u>40K</u> 51.20 lbs. 25 pcs min	367-5565- <u>40K</u> 50.90 lbs. 25 pcs min	

Lids marked "WATER METER" are continued on the following page.

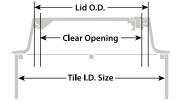


PENTAGON BOLTS: Water meter lids are normally furnished with standard (27/32") brass pentagon bolt, but are also available with large (1-1/32") brass pentagon bolt. Not furnished on drop-in style lids.

WORM GEARS: Non-traffic and 20,000 lbs. lids normally furnished with nylon worm gear, ductile iron also available at additional cost. 40,000 lbs. lids normally furnished with ductile worm gears. Not furnished on drop-in style lids.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available.

RECESSES: All lids with antenna recesses have thru hole diameter of 1.88".



LID DIMENSIONS Types and	, LOAD RATINGS, Materials	FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13" x 0.41" dp	11 HUN BUW, 100W, RIVA Antenna Recess Ø 2.84" x 0.26" dp	KAMSTRUP Antenna Recess Ø 5.06" x 0.50" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	(FIGURE 8) Antenna Recess Ø 4.63" x 0.43" dp	OR ZENNER Antenna Recess Ø 4.11" x 0.41" dp
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	40,000 lbs. / Composite DROP-IN STYLE 2 Antenna Recesses	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete		367-5572-40K 50.80 lbs. 25 pcs min	367-5573- <u>40K</u> 51.00 lbs. 25 pcs min		367-5564- <u>40K</u> 50.90 lbs. 25 pcs min	367-5575- <u>40K</u> 50.20 lbs. 25 pcs min	
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	40,000 lbs. / Composite BOLT-DOWN STYLE Solid Lids* or with 1 Antenna Recess	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete	367-5561- <u>40K</u> 51.50 lbs. 25 pcs min	367-5567- <u>40K</u> 51.10 lbs. 25 pcs min	367-5568- <u>40K</u> 51.10 lbs. 25 pcs min		367-5569- <u>40K</u> 51.10 lbs. 25 pcs min	367-5570- <u>40K</u> 50.70 lbs. 25 pcs min	
30-1/2" x 17-1/2" Rect. Clear Opening: 28-1/4" x 15-1/4" Rim Thickness: 2"	40,000 lbs. / Composite BOLT-DOWN STYLE 2 Antenna Recesses	17" x 30" Hubbell, Old Castle Polymer, & Old Castle Concrete		367-5577- <u>40K</u> 50.70 lbs. 25 pcs min	367-5578- <u>40K</u> 50.80 lbs. 25 pcs min		367-5579- <u>40K</u> 50.80 lbs. 25 pcs min	367-5580- <u>40K</u> 50.00 lbs. 25 pcs min	
31-13/16" OD Clear Opening: 30" Rim Thickness: 2-1/2"	40,000 lbs. / Composite DOUBLE PADDLE LOCK (DI) Solid Lids* Only	Neenah R-1568 " Baltimore	367-5710 108.70 lbs. 15 pcs min						
35-27/32" OD Clear Opening: 34" Rim Thickness: 1.44" "CONFINED SPACE NEORSD"	40,000 lbs. / Composite DROP-IN STYLE Solid Lids* Only	EJ 1585 Neenah R-1752	367-5715 131.30 lbs. 15 pcs min						
35-27/32" OD Clear Opening: 34" Rim Thickness: 1.44" "ARLINGTON"	40,000 lbs. / Composite DROP-IN STYLE Solid Lids* Only	EJ 1585 Neenah R-1752 Arlington, VA	367-5712 131.30 lbs. 30 pcs min						

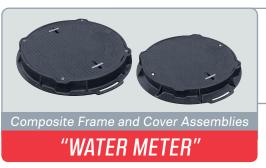


Hand Key 367-4334

Single Slot Retainer Bracket 367-5782

- Please inquire for TTL antenna and Bracket/Post Adapter fitment (it will vary on each installation)
- Sliding Lock normally furnished in nylon; add \$3.00 LIST for brass
- All other hardware is stainless steel
- Single slot retainer bracket can be used on other lids as well with posts

LID DIMENSIONS Types and	, LOAD RATINGS, Materials	FITS FRAME TYPES	SOLID LID No Antenna Recess	BADGER Antenna Recess Ø 3.13″ x 0.41″dp	ITRON 60W, 100W, RIVA Antenna Recess Ø 2.84" x 0.26" dp	MUELLER Antenna Recess Ø 3.36" x 0.33" dp	SENSUS OR ZENNER Antenna Recess Ø 4.11" x 0.41" dp	FUH "UTHEH" TTL ADAPTERS NOT SHOWN Ø 1.88" Through Hole
10" x 6-1/2"	Non-Traffic / Polymer		367-5657	367-5657- <u>BADG</u>	367-5657- <u>ITRON</u>	367-5657- <u>MUEL</u>	367-5657- <u>SENS</u>	367-5657- <u>тн</u>
Clear Opening: 9.10" x 5.63" Rim Thickness: 0.38"	SLIDING LOCK Solid Lids* or with 1 Antenna Recess	Ford and AY McDonald Yokeboxes	0.83 lbs.	0.76 lbs. 500 pcs min	0.80 lbs. 500 pcs min	0.76 lbs. 500 pcs min	0.66 lbs. 500 pcs min	0.82 lbs. 500 pcs min



Pricing does not include retainer brackets or antenna adapters.

LETTERING: Lids normally furnished marked "WATER METER", special lettering available.

SEAL: All Frame & Cover Assemblies are sealed by an EPDM gasket. **BOLT DOWN LIDS:** Are secured to frames with four Xylan coated stainless screws, see page 30 for optional security screws.

PADDLE LOCK LIDS: Are secured to frame with pentagon bolt, see page 30 for optional security bolts.

ANTENNA MOUNTING OPTIONS: Shown in "Additional Notes" on page 46.

LID DIMENSION Types and	S, LOAD RATINGS, D MATERIALS	FITS FRAME TYPES	BOLT DOWN STYLE	PADDLE LOCK Style
23-3/4" OD Clear Opening: 21-1/2" ID	50,000 lbs. / Composite	Trumbull Frame	367-5790	
Rim Thickness: 1"	Solid Lids* Only	367-5468	66.10 lbs. Frame and Cover	
26" OD	50,000 lbs. / Composite		367-5702	367-5704
Clear Opening: 24" ID Rim Thickness: 1"	BOLT-DOWN STYLE OR PADDLE LOCK STYLE Solid Lids* Only	Trumbull Frame 367-5705	93.00 lbs. Frame and Cover	93.00 lbs. Frame and Cover
32" OD	50,000 lbs. / Composite		367-5793	367-5901
Clear Opening: 30" ID Rim Thickness: 1-1/4"	BOLT-DOWN STYLE OR PADDLE LOCK STYLE Solid Lids* Only	Trumbull Frame 367-5794	129.00 lbs. Frame and Cover	129.00 lbs. Frame and Cover
32" OD	50,000 lbs. / Composite		367-5799	
Clear Opening: 30" ID Rim Thickness: 1-1/4" "WATER"	BOLT-DOWN STYLE Solid Lids* Only	Trumbull Frame 367-5794	129.00 lbs. Frame and Cover	
38" OD	50,000 lbs. / Composite		367-5465	367-5618
Clear Opening: 36" ID Rim Thickness: 1-1/2"	BOLT-DOWN STYLE OR PADDLE LOCK STYLE Solid Lids* Only	Trumbull Frame 367-5784	236.80 lbs. Frame and Cover	236.00 lbs. Frame and Cover



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@ixtcompany.com

www.trumbull-mfg.com

PROOF LOAD TESTING PER... AASHTO M-306

The M-306 Standard

The American Association of State Highway and Transportation Officials (AASHTO) developed a standard, M-306, that calls for proof load testing of iron castings. For an H-20 proof load test, that standard requires a 40,000 lb. load to be applied to a 9" x 9" square plate for one minute. Any cracks or permanent deformation greater than 1/8" are cause for rejection.

Polymer and Composite Lids

Polymer and composite lids are used for a variety of applications, such as:

- Water meter pits and manholes, where existing cast iron lids blocked radio signals from radio read meters.
- Flow monitoring devices in manholes, where signals of rising flow levels are likewise blocked by cast iron lids.
- Theft, due to the scrap value of iron.
- In industrial and sanitary manholes to reduce finger and back injuries, due to their light weight.



How the M-306 Standard Relates to Polymer and Composite Lids

Municipalities and Engineers wanting a traffic rated polymer lid frequently specify an "H-20" rating in their specifications. There can be confusion since AASHTO published bridge design criteria, known as H-20, which calls for truck axle loading of 32,000 lbs., or 16,000 lbs. per wheel load. The AASHTO M-306 standard calls for a safety factor of 2.5 to be applied to the 16,000 lbs. wheel load (2.5 x 16,000 = 40,000 lbs.). Therefore, for H-20 rated lids, a 40,000 lbs. proof load test is required. For H-25 rated lids, a 50,000 lbs. proof load test is required.

Explanation of the Confusion

Many water departments began to install radio read meters but couldn't get a good read through cast iron lids. Frequently, many were only thinking of a radio-friendly material such as polymer, without giving much thought to its strength. As a result, many municipalities received thin plastic lids that could only withstand a proof load test of 5,000 lbs., or less. Frequently, breakage occurred from lawn tractors and other loads. To be conservative and have an industry standard they can specify, many municipalities require a 40,000 lbs. proof load test, even where a lid is not in the roadway. Some suppliers advertise their lids as H-20, but are referring to a 16,000 lbs. wheel load and not a 40,000 lbs. proof load test. Some furnish lids that cannot even meet the 16,000 lbs. load they advertise as "H-20".

How to Avoid the Confusion

To avoid confusion, your specs should require the proof load test you specify, conducted per AASHTO M-306. To be safe, require a report from an independent test lab. Simply specifying "H-20" may not provide the safety factor you need, particularly where traffic loads are involved. The AASHTO M-306 standard requires the load to be placed at the center of the lid and not transfer any of the load directly to the frame. For smaller lids, such as 12" diameter, a plate smaller than 9" x 9" must be used. If you would like a proof load test performed on the lids you are using, contact the Engineering Department here at Trumbull.



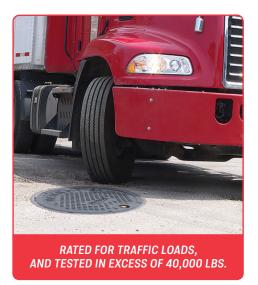
3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com



Composite Manhole Lids

For Sanitary Sewer

Trumbull Composite Manhole Lids are today's smart choice for highway use in place of cast iron lids. They have been successfully tested to a minimum of 40,000 lb. proof load per AASHTO M-306, H-20. Test reports from independent lab are available upon request.

Composite lids have no scrap value, deterring theft common to iron lids. These lids are much lighter than cast iron lids, yet are rated for traffic loads. Use composite lids to avoid back and finger injuries associated with cast iron lids. Lids also have a slip-resistant, anti-skid pattern.

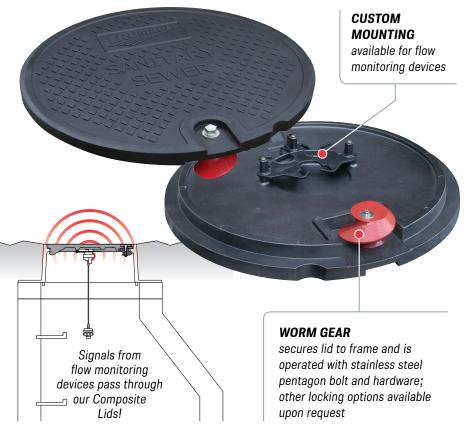


LOAD TESTED PER AASHTO M-306, H-20 - 40,000 LBS.

(See page 29 for details on load testing)







For compatible Trumbull Composite Frames, see pages 41 - 44. For dimensions, load ratings and additional options, refer to the product information chart on pages 45 - 46.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

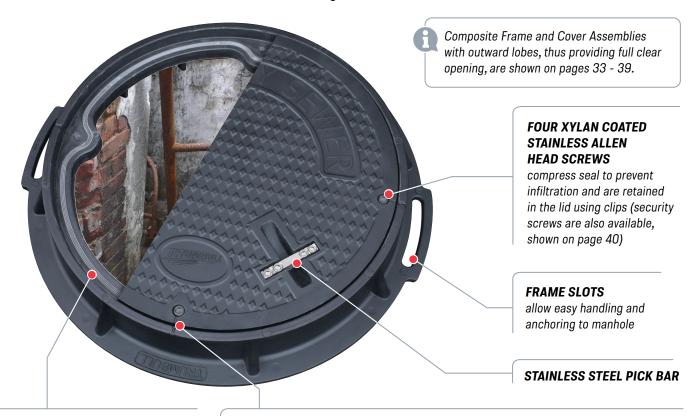
www.trumbull-mfg.com

Composite Manhole Frame and Cover Assembly

21-1/2" Clear Opening

23-3/4" Lid OD - EPDM Sealed

- Composite design can pass a 50,000 lb. proof load test per AASHTO M-306, H-25, yet weighs
 only one-third of comparable cast iron frame and lid, reducing back and finger injuries.
- All hardware is stainless steel, along with the composite construction provides corrosion resistance.
- Fasteners on underside to attach flow monitoring/leak detection devices.



GROOVED DESIGN EPDM SEAL

prevents infiltration through bolt holes (artificially colored here for emphasis)

MATCHING ALIGNMENT INDICATORS - Patent No. US 10,240,317 B2

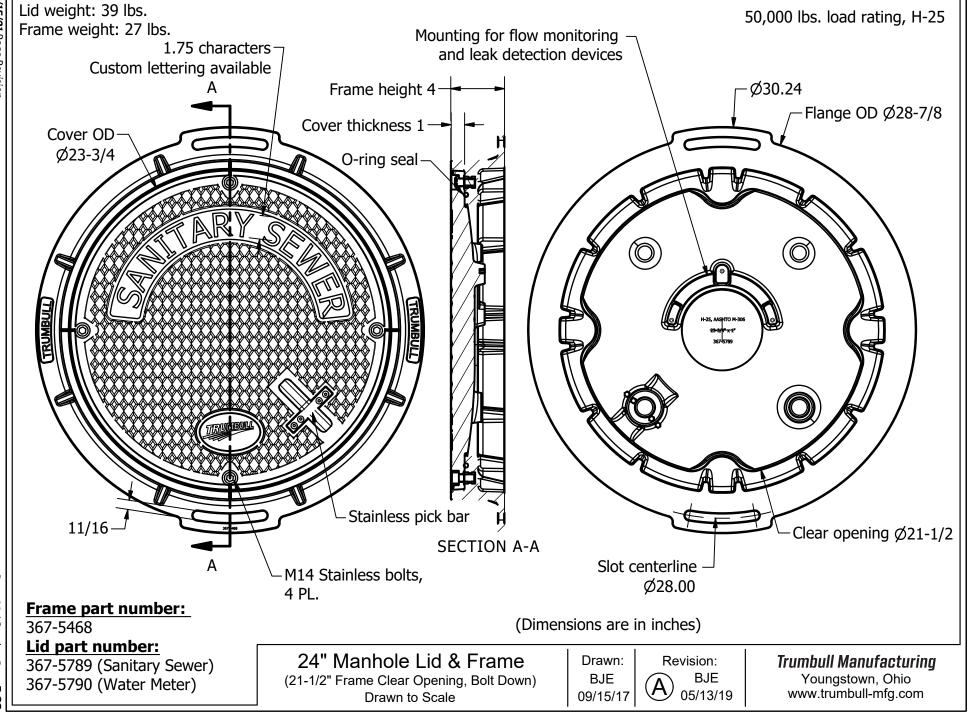
help line up the stainless screws with threaded inserts in the frame; in addition, the underside has cutouts that cause the lid to drop into the proper "bolt-down" position

Lid OD	Locking	Frame	Sanitary Sewer Lid	Water Meter Lid	Total	
Size	Mechanism	Item №	Item №	Item №	Weight	
23-3/4"	Bolt Down	367-5468	367-5789	367-5790	66.10 lbs.	



Optional logo/custom lettering options available, ask your Trumbull Rep.

For dimensions, load ratings and additional options, refer to the product information chart on page 28 (WATER METER) and page 46 (SANITARY SEWER).





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

828-735-1978 sales@jxtcompany.com

www.trumbull-mfg.com

Composite Manhole Frame and Cover Assemblies

With Full Clear Opening - Paddle Lock and Bolt Down Styles

Available in 26", 32" and 38" Sizes - EPDM Sealed

GROOVED DESIGN EPDM SEAL

OUTWARD LOBES allow for precise bolt and paddle lock alignment

prevents infiltration

STAINLESS STEEL PICK BARS 1 or 2, depending on manhole size

Paddle Lock

Two quarter turn pentagon bolts open and close cover via paddle lock located on the underside.

Bolt Down

Four Xylan coated stainless screws compress the **EPDM** seal on the frame to prevent infiltration.

FRAME SLOTS

allow easy handling and anchoring to manhole

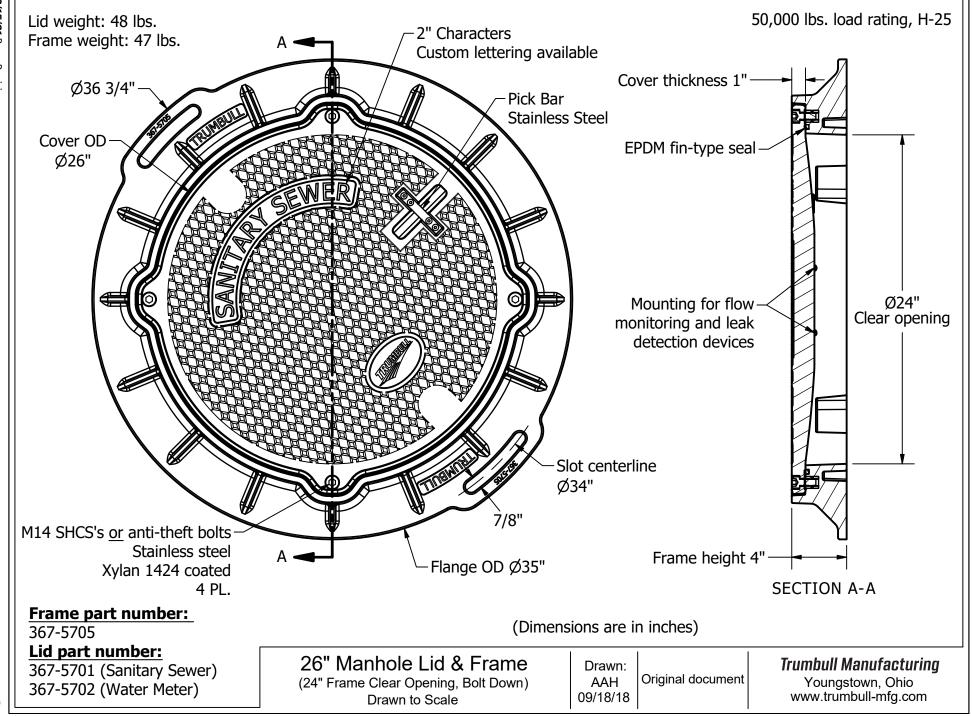


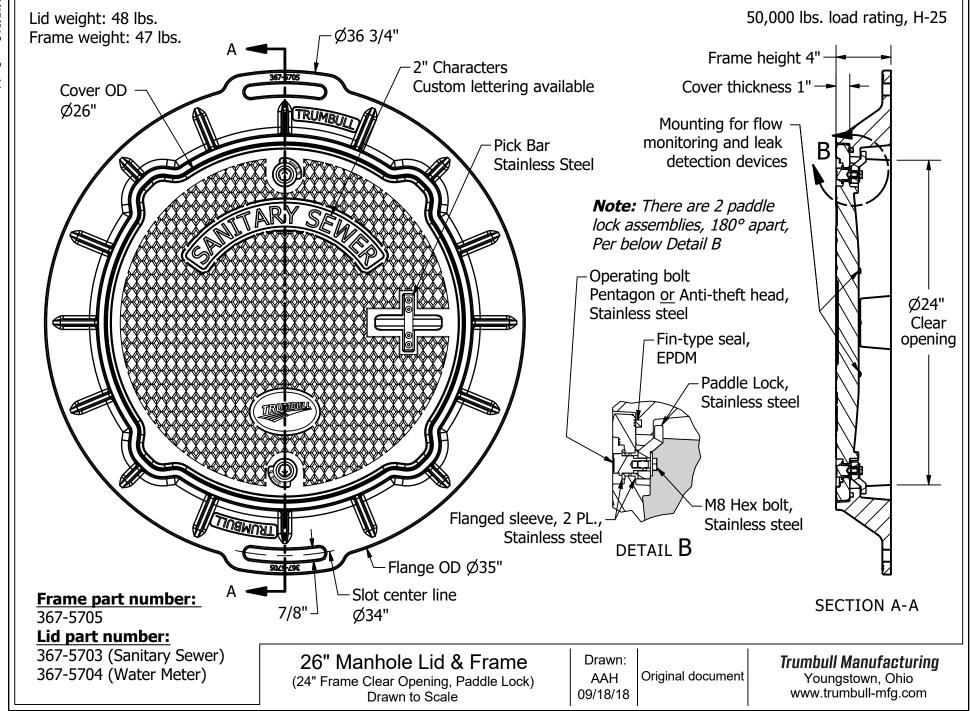
Additional security options available. shown on page 40.

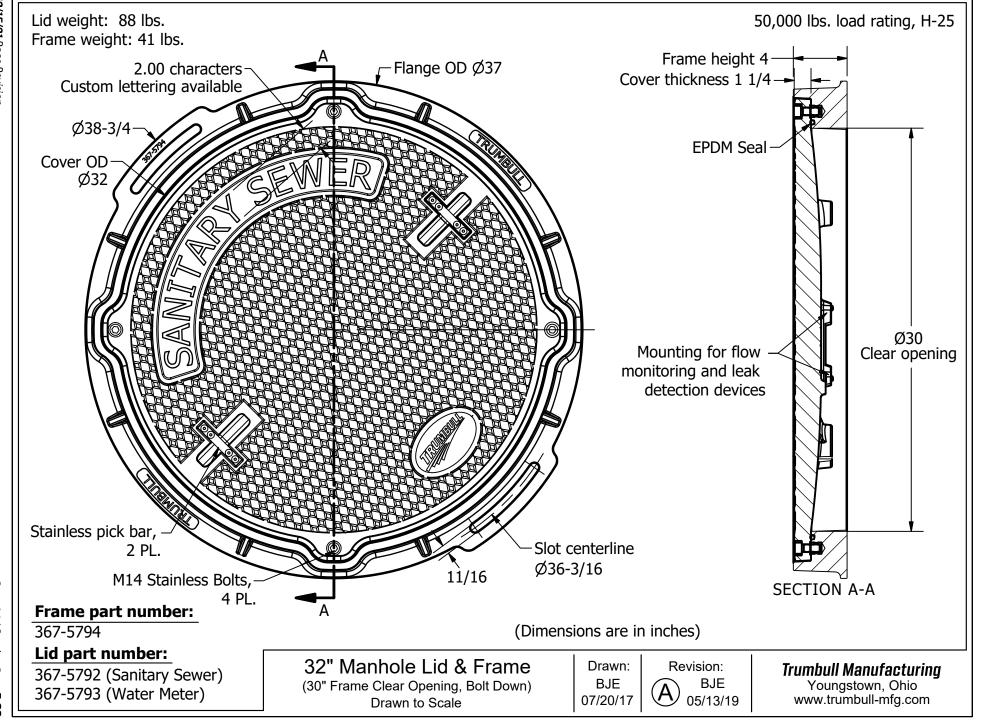
Lid	Locking	Frame	Sanitary Sewer Lid	Water Meter Lid	Total
OD	Mechanism	Item №	Item №	Item №	Weight
26"	Bolt Down	367-5705	367-5701	367-5702	93.00 lbs.
26"	Paddle Lock	307-3703	367-5703	367-5704	93.00 lbs.
32"	Bolt Down	367-5794	367-5792	367-5793	129.00 lbs.
32"	Paddle Lock	307-3734	367-5900	367-5901	129.00 lbs.
38"	Bolt Down	367-5784	367-5795	367-5465	236.80 lbs.
38"	Paddle Lock	307-3704	367-5617	367-5618	236.80 lbs.

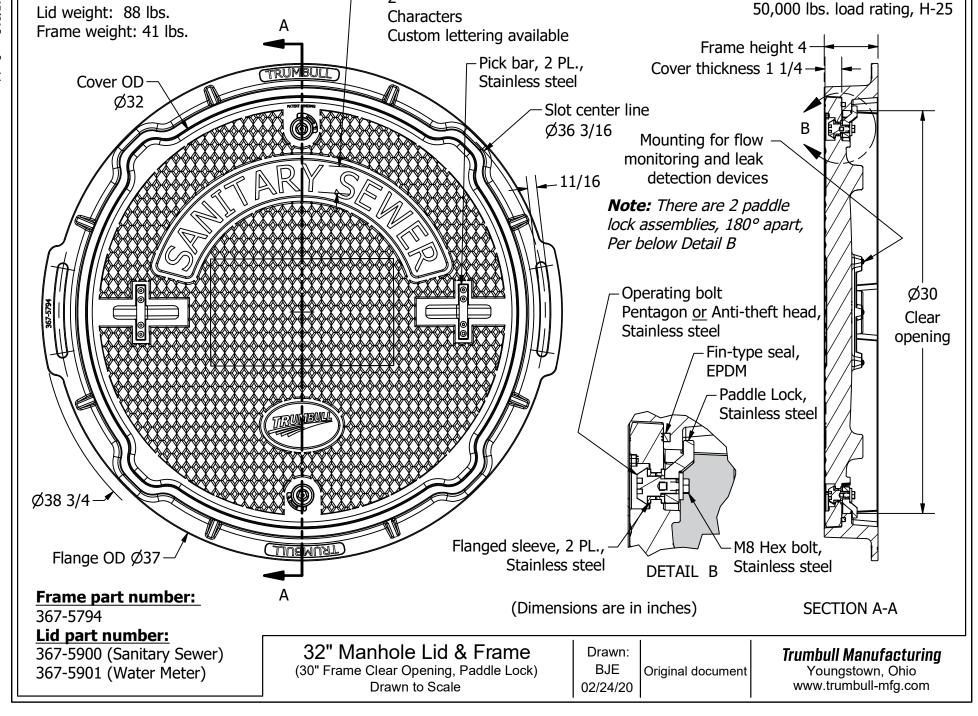
- Composite design can pass a 50,000 lb. proof load test per AASHTO M-306, H-25, vet weighs only one-third of comparable cast iron frame and lid, reducing back and finger injuries.
- Two lid fastening styles available.
- All hardware is stainless steel, along with the composite construction provides corrosion resistance.
- Fasteners on underside to attach flow monitoring/leak detection devices.
- Optional logo/custom lettering available.

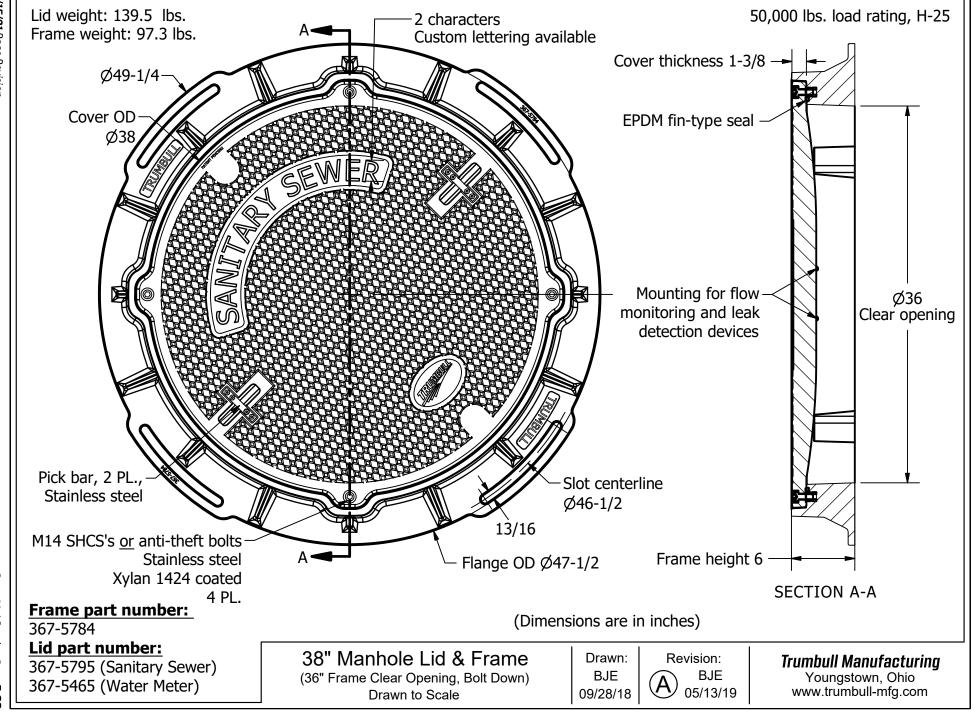
For dimensions, load ratings and additional options, refer to the product information chart on page 28 (WATER METER) and page 46 (SANITARY SEWER).

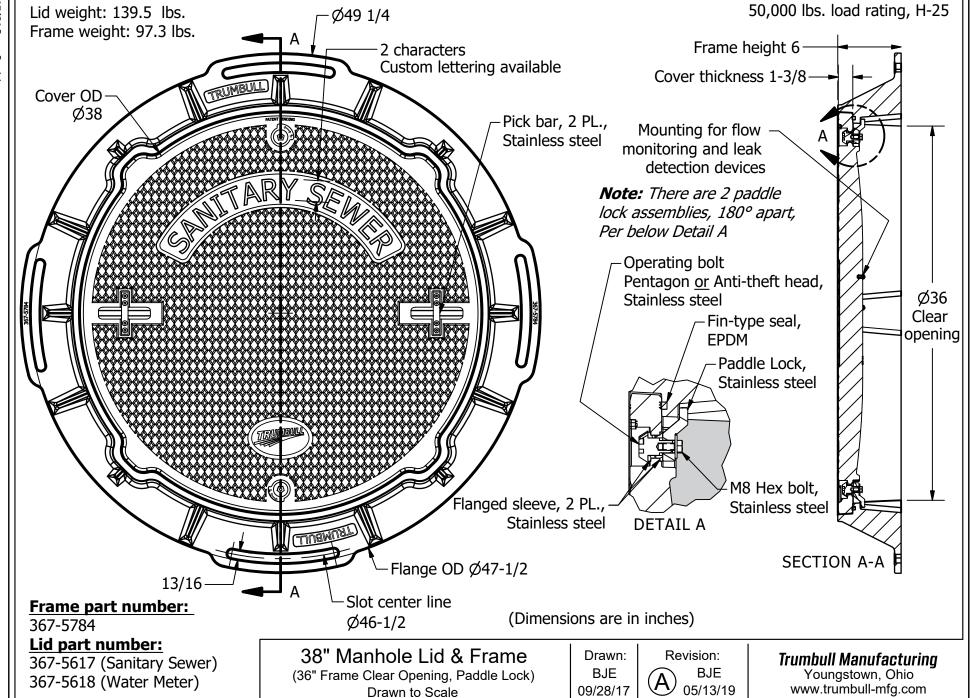














3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

Additional Security for Meter and Manhole Lids

Security Bolts...

Made from stainless steel

...for Worm Gear Lids

Item №	For Frames	Weight
167-0069*	10"-12", 15"; 21" monitor cover	0.10 lbs.
167-0048**	Larger Size Worm Gears	0.25 lbs.

...for Paddle-Lock Frames and Covers

Item №	For Frames	Weight	
167-0062*	Paddle-Lock Covers	0.10 lbs.	



Item №	Description	Weight
167-0070	Key Only	0.18 lbs.
spec/ord.	Key, with T-Handle	

^{* 316} Stainless Steel

Security Screws...

- Xylan coated stainless steel
- M14 x 30MM for use with 24" Frame and Covers
- M14 x 35MM for use with 30" and 36" Frame and Covers



...for Bolt Down Frames and Covers

Item №	Frame	Weight
167-0146	M14-2.0 x 30MM Security Screw	0.10 lbs.
167-0148	M14-2.0 x 35MM Security Screw	0.10 lbs.

Don't forget the
Custom
KEY

Item №	Frame	Weight	
167-0152	Key Only	0.15 lbs.	
367-4403	Key, with T-Handle		

RELATED PRODUCT

Manhole Cover Hooks

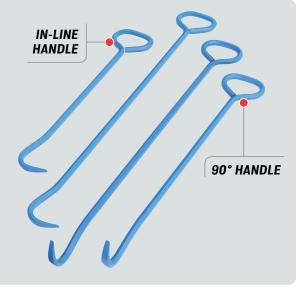
Trumbull Manhole Cover Hooks are made of 5/8" hexagonal steel. The 1/2" point engages the lid of the manhole cover. Painted in Safety Blue enamel paint for safety and durability. Product shown in more detail on Catalog page A-3.

In-Line Handle

Item №	Overall Length	Weight
367-4286	24"	3.35 lbs.
367-4290	36"	4.50 lbs.

90° Handle

Item №	Length	Weight
367-4288	30"	3.85 lbs.
367-4289	36"	4.45 lbs.



^{** 17-4} Stainless Steel



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email

sales@jxtcompany.com

www.trumbull-mfg.com

Composite Manhole Frames and Covers Worm Gear Style – For Use with 25-1/2" x 1-1/4" Covers

- Composite design can pass a 40,000 lbs. proof load test per AASHTO M-306, H-20, yet weighs only one-third of comparable cast iron frame, reducing back and finger injuries.
- Frame's composite construction provides corrosion resistance, making it suitable for both water and sewer applications.







EPDM SEAL

prevents infiltration

4 WORM GEAR RECESSES

allow cover to be placed in any of 4 directions

WIDE FLANGE DIAMETER

FRAME SLOTS

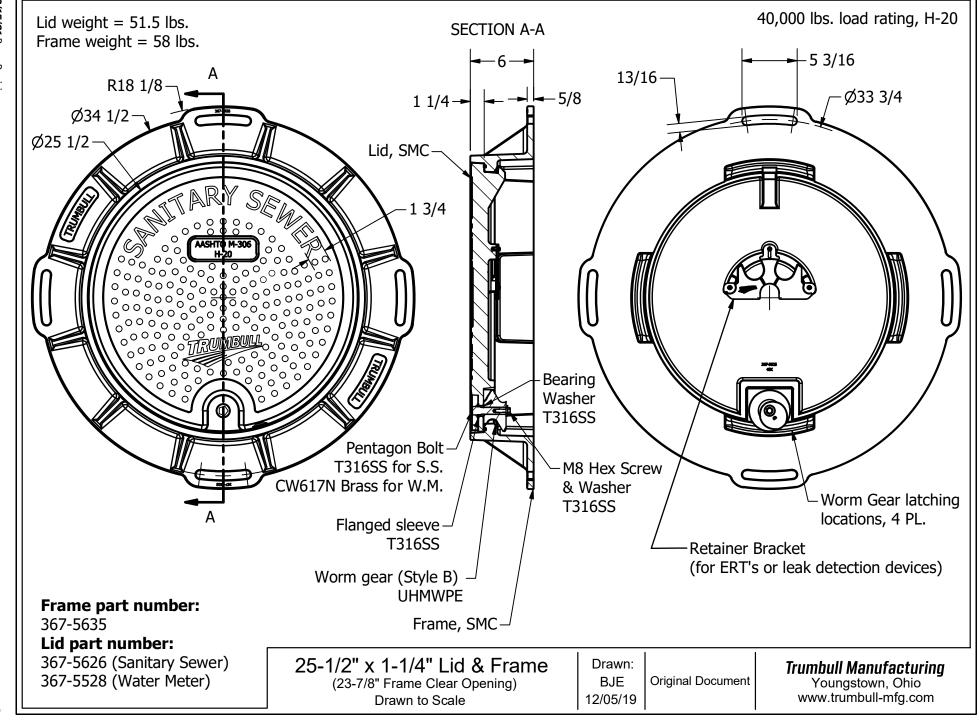
allow easy handling and anchoring to manhole



Ask your Trumbull Rep about cities and towns that have already installed our Frames and Covers!

		- Sand		T.	Camitanu	Watan	l .
Flange	Dimensions of Lids		Locking	Frame	Sanitary Sewer Lid	Water Meter Lid	Total
OD	that will Fit	Height	Mechanism	Item №	Item №	Item №	Weight
34-1/2"	25-1/2" x 1-1/4"	6"	Worm Gear	367-5635	367-5626	367-5528	109.50 lbs.

For dimensions, load ratings and additional options, refer to the product information chart on page 26 (WATER METER) and page 45 (SANITARY SEWER).





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email

sales@jxtcompany.com

www.trumbull-mfg.com

Composite Manhole Frames and Covers

-Worm Gear Style — For Use with 23-3/4" x 1" Covers

- Composite design can pass a 40,000 lbs. proof load test per AASHTO M-306, H-20, yet weighs only one-third of comparable cast iron frame, reducing back and finger injuries.
- Frame's composite construction provides corrosion resistance, making it suitable for both water and sewer applications.

Use with POLYMER
WORM GEARS ONLY;
NOT for use with ductile
iron worm gears.



FRAME SLOTS



4 WORM GEAR LATCHES

allow cover to be placed in any of 4 directions

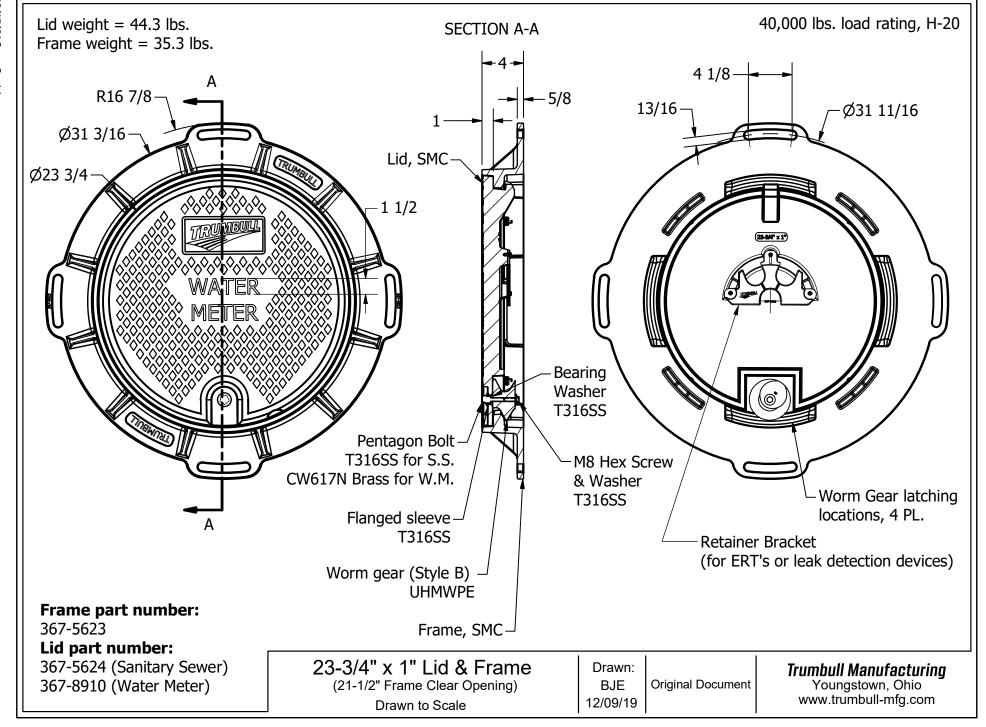
BADGER LTE ADAPTER RECESSES

allow up to 4 Badger LTE Adapters to be mounted in frame, which eliminates risk of ripping wire when removing lid or damage to endpoint

Ask your Trumbull Rep about cities and towns that have already installed our Frames and Covers!

Flange	Dimensions of Lids		Locking	Frame	Sanitary Sewer Lid	Water Meter Lid	Total
OD	that will Fit	Height	Mechanism	Item №	Item №	Item №	Weight
31-3/16"	23-3/4" x 1"	4"	Worm Gear	367-5623	367-5624	367-8910	79.60 lbs.

For dimensions, load ratings and additional options, refer to the product information chart on page 24 (WATER METER) and page 45 (SANITARY SEWER).





PENTAGON BOLTS: Sanitary sewer lids are normally furnished with standard (27/32") T316SS pentagon bolt. Not furnished on drop-in style lids.

WORM GEARS: Lids furnished with ductile worm gears. Not furnished on drop-in style lids. **LETTERING:** Lids normally furnished marked "SANITARY SEWER", special lettering available.

BEARING WASHERS: Composite Lids include a T316SS bearing washer below the lid and T316SS flanged sleeve (protects hole from elongation) above the lid. Not furnished on drop-in style lids.

FLOW MONITORING: Please inquire about custom brackets to mount flow monitoring equipment under the lid.

ADDITIONAL NOTES: Explanations for asterisk (*) and (*) points shown on page 46.

Lid O.D.	
← Clear Opening →	
────Tile I.D. Size ────	

LID DIMENSIONS Types and	S, LOAD RATINGS, I MATERIALS	FITS FRAME TYPES	SOLID LID No Antenna Recess
21-3/8" OD Clear Opening: 19-13/16" Rim Thickness: 15/16" "SEWER"	40,000 lbs. / Composite DROP-IN STYLE Solid Lid* with Pick Hole Retainer Bracket	Capitol Foundry #14000-10 Richmond, VA	367-5695 28.60 lbs.
22-3/4" OD Clear Opening: 21" Rim Thickness: 1-11/16"	40,000 lbs. / Composite DUCTILE IRON WORM GEAR Solid Lid* Retainer Bracket	EJ 1020, Neenah R-1580	367-5619 45.70 lbs.
23-3/4" OD Clear Opening: 21-1/2" Rim Thickness: 1"	40,000 lbs. / Composite DUCTILE IRON WORM GEAR Solid Lid* Retainer Bracket	EJ 1450 and 1690 Neenah R-1771, Neenah R-1785	367-5622 44.80 lbs.
23-3/4" OD Clear Opening: 21-1/2" Rim Thickness: 1"	40,000 lbs. / Composite DUCTILE IRON WORM GEAR Solid Lid* Retainer Bracket	Trumbull Frame 367-5623	367-5624 44.80 lbs.
25-1/4" OD Clear Opening: 22-3/4" Rim Thickness: 2" "SANITARY SEWER"	40,000 lbs. / Composite DUCTILE IRON WORM GEAR Solid Lid* Retainer Bracket	EJ 1700	367-5686 63.50 lbs.
25-1/4" OD Clear Opening: 22-3/4" Rim Thickness: 2" "CONFINED SPACE NEORSD"	40,000 lbs. / Composite DUCTILE IRON WORM GEAR Solid Lid* Retainer Bracket	EJ 1700	367-5687 63.50 lbs.

Cor	ntinued	on	the	riaht.

LID DIMENSIONS Types and	S, LOAD RATINGS, Materials	FITS FRAME TYPES	SOLID LID No Antenna Recess
25-1/2" OD	40,000 lbs. / Composite		367-5625
Clear Opening: 24-3/16" Rim Thickness: 1-1/4"	DUCTILE IRON WORM GEAR Solid Lid* Retainer Bracket	EJ 1040, 1045, 1048 and 1705	54.00 lbs.
25-1/2" OD	40,000 lbs. / Composite		367-5626
Clear Opening: 24-3/16" Rim Thickness: 1-1/4"	UHMWPE WORM GEAR """ Solid Lid* Retainer Bracket	Trumbull Frame 367-5635	54.00 lbs.
25-1/2" OD	40,000 lbs. / Composite		367-5627
Clear Opening: 24-3/16" Rim Thickness: 1-1/4" "CITY OF TACOMA CONFINED SPACE"	UHMWPE WORM GEAR Solid Lid* Retainer Bracket	Trumbull Frame 367-5635	54.00 lbs.
35-27/32" OD	40,000 lbs. / Composite		367-5714
Clear Opening: 34" Rim Thickness: 1.44" "CONFINED SPACE NEORSD"	DROP-IN STYLE Solid Lid* Retainer Bracket	EJ 1585, Neenah R-1752	131.30 lbs. 25 pcs min
35-27/32" OD	40,000 lbs. / Composite		367-5716
Clear Opening: 34" Rim Thickness: 1.44"	DROP-IN STYLE Solid Lid* Retainer Bracket	EJ 1585, Neenah R-1752	131.30 lbs. 25 pcs min

Pricing does not include retainer brackets or antenna adapters (see page 30).



LETTERING: Lids normally furnished marked "SANITARY SEWER", special lettering available.

SEAL: All Frame and Cover Assemblies are sealed by an EPDM asket.

BOLT DOWN LIDS: Are secured to frames with four Xylan coated stainless screws, see page 30 for optional security screws.

PADDLE LOCK LIDS: Are secured to frame with pentagon bolt, see page 30 for optional security bolts.

	S, LOAD RATINGS, D MATERIALS	FITS FRAME TYPES	BOLT DOWN STYLE	PADDLE LOCK Style
23-3/4" OD	50,000 lbs. / Composite		367-5789	
Clear Opening: 21-1/2" ID Rim Thickness: 1"	BOLT-DOWN STYLE Solid Lids* Only	Trumbull Frame 367-5468	66.10 lbs. Frame and Cover	
26" OD	50,000 lbs. / Composite		367-5701	367-5703
Clear Opening: 24" ID Rim Thickness: 1"	BOLT-DOWN STYLE Or Paddle Lock Style Solid Lids* Only	Trumbull Frame 367-5705	93.00 lbs. Frame and Cover	93.00 lbs. Frame and Cover
32" OD	50,000 lbs. / Composite		367-5792	367-5900
Clear Opening: 30" ID Rim Thickness: 1-1/4"	BOLT-DOWN STYLE OR PADDLE LOCK STYLE Solid Lids* Only	Trumbull Frame 367-5794	129.00 lbs. Frame and Cover	129.00 lbs. Frame and Cover
38" OD	50,000 lbs. / Composite		367-5795	367-5617
Clear Opening: 36" ID Rim Thickness: 1-1/2"	BOLT-DOWN STYLE OR PADDLE LOCK STYLE Solid Lids* Only	Trumbull Frame 367-5784	236.80 lbs. Frame and Cover	236.00 lbs. Frame and Cover

* Underside of solid lids provide the following options to mount antenna:

- 1. Trumbull Retainer Bracket, screwed to 3 posts, which will hold the following:
 - ITRON SHELF MOUNT ADAPTER
 - ITRON THROUGH-THE-LID ADAPTER, bracket can hold either one or two
 - BADGER, antenna bracket can hold either one or two
 - NEPTUNE, bracket can hold one R900 antenna
 - SENSUS, bracket can hold one antenna
 - ZENNER, bracket can hold one antenna
 - MUELLER, bracket can hold one antenna
- 2. A Trumbull retainer bracket can be mounted to the underside of lid to hold a flow monitoring device or other equipment.
- 3. Post adapters, screwed to one post on the lid:
 - ITRON 100W ADAPTER, item #367-5796 (snap-in design)
 - ITRON RIVA ADAPTER, item #167-5000 (snap-in design)
 - BADGER LTE ADAPTER, item #367-5000
- ** Neptune (figure 8) holes accepts either Neptune Touch Read or R900 antennas.
- *** X-Frame style lids will seat, but not hinge.
 - * Slots need to be cut or ground into existing frame in order for the paddle locks to lock in frame.
- *** A ductile iron worm gear is required when cover is used with an iron frame, and UHMWPE worm gear when used with a composite frame.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbuii-mrg.com

Brass Meter Couplings and Meter Flanges

Complete w/gasket. Additional gaskets can be purchased separately. Shown in more detail on page E-54 of our Catalog.

ITEM №	SIZE OF METER	LAYING LENGTH	WEIGHT
368-0590	Coupling, 1/2" (for 5/8" x 3/4" & 3/4" meters)	2-3/8"	0.44 lbs.
368-0591	Coupling, 1/2" (for 5/8" x 1/2" meters)	2-3/8"	0.25 lbs.
368-0646	Coupling, 1/2" (for 5/8" x 3/4" & 3/4" meters)	1-5/8"	0.40 lbs.
368-0593	Coupling, 3/4" (for 5/8" x 3/4" & 3/4" meters)	2"	0.45 lbs.
368-0592	Coupling, 3/4" (for 5/8" x 3/4" & 3/4" meters)	2-1/2"	0.50 lbs.
368-0595	Coupling, 1"	2-5/8"	0.70 lbs.
368-0597	Coupling, 1-1/2", less bushing**	2-7/8"	1.85 lbs.
368-0598	Coupling, 2", less bushing**	3"	2.65 lbs.
368-0618	Bushing, for 1-1/2" Coupling**		0.85 lbs.
368-0619	Bushing, for 2" Coupling**		1.20 lbs.
379-1015	Flange w/full-face gasket, 1-1/2"		2.00 lbs.
379-1016	Flange w/full-face gasket, 2"		2.45 lbs.

Meter Flange Kits

Kits include 2 flanges, 2 gaskets and 4 fasteners (bolts and nuts). Shown in more detail on page E-54 of our Catalog.

ZINC-PLATED FASTENERS	BRASS FASTENERS	STAINLESS FASTENERS
ITEM №	ITEM №	ITEM №
379-2015	379-2025	379-2030
379-2016	379-2026	379-2031
	FASTENERS ITEM № 379-2015	FASTENERS FASTENERS ITEM № ITEM № 379-2015 379-2025



Meter Yokes, Expansion Connections and Gaskets Shown in more detail on page E-55.

	· · · · · · ·	
ITEM №	DESCRIPTION	WEIGHT
367-5470	Meter Yoke, for 5/8" meters	3.65 lbs.
367-5469	Meter Yoke, for 5/8" x 3/4" meters	4.20 lbs.
367-5471	Meter Yoke, for 3/4" meters	4.60 lbs.
367-5472	Meter Yoke, for 1" meters	7.30 lbs.
368-0630	Expansion Connection, for 5/8" meters	0.72 lbs.
368-0632	Expansion Connection, for 5/8" x 3/4" or 3/4" meters	0.93 lbs.
368-0635	Expansion Connection, for 1" meters	1.61 lbs.

Meter Adapters 🔎 👊





Shown in more detail on page E-53 of our Catalog.

	FORD	ORIGINAL METER NEW METER			ORIGINAL METER		NEW METER		QUANTITY	
ITEM №	Nº	METER SIZE	LAYING LENGTH	METER SIZE	LAYING LENGTH*	REQUIRED	WEIGHT			
368-0642	A13	3/4"	9"	5/8"	7-1/2"	2	0.4 lbs.			
368-0643	A14	1″	10-3/4"	5/8"	7-1/2"	2	0.4 lbs.			
368-0639	A23	3/4"	9″	5/8" x 3/4"	7-1/2"	1	0.4 lbs.			
368-0641	A24	1″	10-3/4"	5/8" x 3/4" & 3/4"	′** 7-1/2 ″	2	0.6 lbs.			
368-0644	A34	1″	10-3/4"	3/4"	7-1/2"	2	0.4 lbs.			
368-0640	A44	1″	10-3/4"	3/4" x 1"	9"	1	0.7 lbs.			
379-1022	A47	2" flange	17"	1″	10-3/4"	2	3.2 lbs.			

SPECIALTY PRODUCTS FOR THE WATERWORKS AND VALVE INDUSTRIES

As a global manufacturer in the underground waterworks industry, specializing in treatment plant solutions, we have been committed to delivering innovative solutions and high-quality products since 1981. Our comprehensive approach includes full in-house engineering, manufacturing, and assembly operations based in Youngstown, Ohio.

Our team of experts is dedicated to developing cutting-edge solutions that address the unique challenges of the industry. We combine our extensive knowledge and experience with a focus on innovation to design and manufacture products that meet the highest standards of quality and reliability.

With our solid infrastructure, state-of-the-art manufacturing facilities, and exception customer service, we continue to lead the way in the underground waterworks industry. Our goal is to provide comprehensive solutions that meet the evolving needs of our customers while maintaining the highest standards of excellence and customer satisfaction.









Trumbull Manufacturing

3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@jxtcompany.com

www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

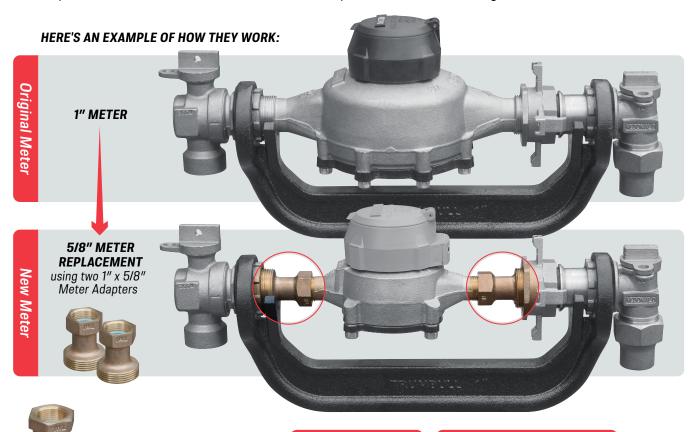
Customer Service Sales Email 828-477-4601 828-735-1978 sales@ixtcompany.com

-www.trumbull-mfg.com

New Meter

Meter Adapters

When changing meter sizes in an existing setting, use Trumbull Meter Adapters to make up the difference in length and thread size. Our Meter Adapters are cast from UNS C89833 brass and have been certified by UL for compliance with NSF/ANSI 61 and NSF/ANSI 372, per the U.S. Safe Drinking Water Act.

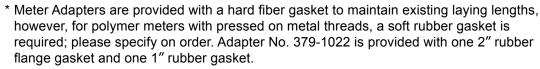






						<u> </u>		
	Item №	Weight	Ford №	Meter Size	Laying Length	Meter Size	Laying Length*	Quantity Required
	368-0642	0.4 lbs.	A13	3/4"	9″	5/8"	7-1/2"	2
	368-0643	0.4 lbs.	A14	1″	10-3/4"	5/8"	7-1/2"	2
	368-0639	0.4 lbs.	A23	3/4"	9″	5/8" x 3/4"	7-1/2"	1
	368-0641	0.6 lbs.	A24	1″	10-3/4"	5/8" x 3/4" & 3/4"**	7-1/2"	2
	368-0644	0.4 lbs.	A34	1″	10-3/4"	3/4"	9″	2
	368-0640	0.7 lbs.	A44	1″	10-3/4"	3/4" x 1"	9″	1
	379-1022	3.2 lbs.	A47	2" Flange	17"	1″	10-3/4"	2
-								

Original Meter



^{** 3/4&}quot; meters have been made with 7-1/2" and 9" laying lengths; Adapter No. 368-0641 is designed for 3/4" meters with 7-1/2" laying length.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com

Meter Couplings and Flanges WITH GASKETS

Certified by UL for compliance with NSF/ANSI 61 and NSF/ANSI 372, per the U.S. Safe Drinking Water Act



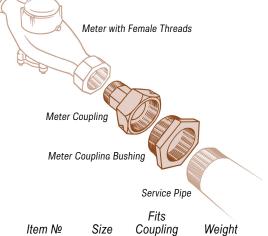
Meter Couplings

- Barrel is in contact with water and is cast brass to meet UNS C89833.
- Swivel nut does not contact water and is cast from UNS C83600.

Item №	Male Thread	Fits Meter Size	Laying Length	Weight
368-0590	1/2"	5/8" x 3/4" and 3/4"	2-3/8"	0.44 lbs.
368-0591	1/2"	5/8" x 1/2"	2-3/8"	0.25 lbs.
368-0646	1/2"	5/8" x 3/4" and 3/4"	1-5/8"	0.40 lbs.
368-0593	3/4"	5/8" x 3/4" and 3/4"	2″	0.45 lbs.
368-0592	3/4"	5/8" x 3/4" and 3/4"	2-1/2"	0.50 lbs.
368-0595	1″	1"	2-5/8"	0.70 lbs.
368-0597	1-1/2"	1-1/2"	2-7/8"	1.85 lbs.
368-0598	2″	2"	3″	2.65 lbs.

Bushings

For use with 1-1/2" or 2" meters with female threads, as shown below.



Item №	Size	Fits Coupling	Weight
368-0618	1-1/2"	1-1/2"	0.85 lbs.
368-0619	2″	2″	1.20 lbs.

Meter Flange Kits

- Cast brass to meet UNS C89833.
- Boxed kit includes 2 flanges,
 2 gaskets & 4 bolts and nuts.



Item №	Size	Fits Meter	Fastener Material	Weight
379-2015	1-1/2"	1-1/2"	zinc-plated	5.40 lbs.
379-2025	1-1/2"	1-1/2"	brass	5.40 lbs.
379-2030	1-1/2"	1-1/2"	stainless steel	5.40 lbs.
379-2016	2"	2″	zinc-plated	7.10 lbs.
379-2026	2"	2"	brass	7.10 lbs.
379-2031	2"	2″	stainless steel	7.10 lbs.

Meter Flanges

Sold Individually

- Cast brass to meet UNS C89833.
- Includes one flange and one gasket.



		Fits	
Item №	Size	Meter	Weight
379-1015	1-1/2"	1-1/2"	2.00 lbs.
379-1016	2″	2"	2.45 lbs.
			· · · · · · · · · · · · · · · · · · ·



3850 Hendricks Road, Youngstown, Ohio 44515

Phone: Toll Free: Fax: 330.270.7888 | 877.504.1507 330.392.0756

-www.trumbull-mfg.com

Length

10-15/16"

10-15/16"

Height

4-1/8"

4-1/8"

4-1/8"

5-1/4"

Weight

3.65 lbs.

4.20 lbs.

4.60 lbs.

7.30 lbs.

Meter Size

5/8"

5/8" x 3/4"

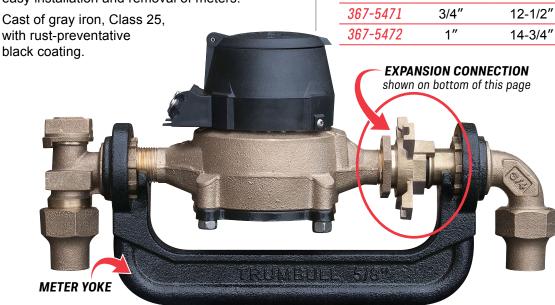
Cast Iron Meter Yokes

Item №

367-5470

367-5469

Trumbull Meter Yokes provide uniform spacing and alignment for setting water meters. Used in conjunction with Expansion Connections for easy installation and removal of meters.



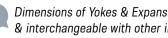
Expansion Connections

Expansion Connections are screwed onto one end of a meter and allow for easy installation and removal from Meter Yoke. Turning the Handwheel causes expansion into the rubber gaskets in the Yoke, creating a water-tight seal.

Nose Piece and Barrel are in contact with water and are cast from UNS C89833 brass. Certified by UL for compliance with NSF/ANSI 61 and NSF/ANSI 372, per the U.S. Safe Drinking Water Act.

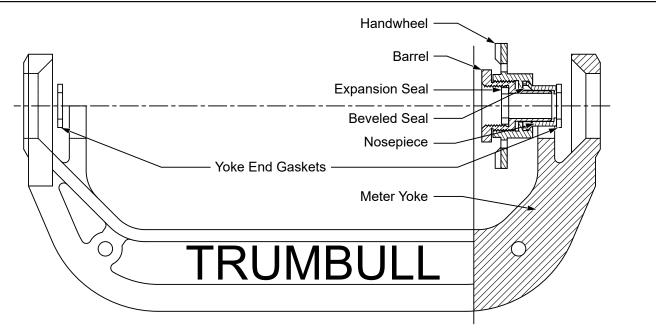
Handwheel does not contact water and is cast from UNS C83600. Both the flat seal voke gaskets and bevelled seal gasket are EPDM. Expansion seal gasket between barrel and meter is fiber; however, for polymer meters with pressed on metal threads, a soft rubber gasket is required. Please specify on order. All gaskets are NSF-61.





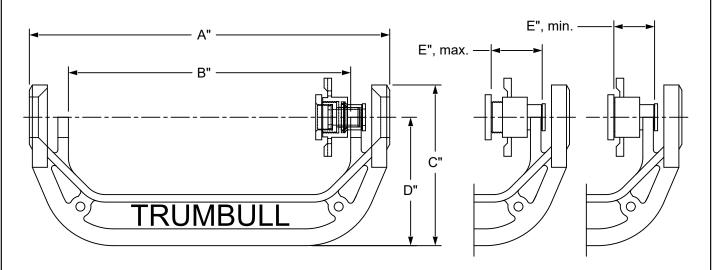
Dimensions of Yokes & Expansion Connections are consistent & interchangeable with other industry manufacturers.

Item №	Meter Size	Size	Type	Weight
368-0630	5/8"	5/8"	Handwheel	0.72 lbs.
368-0632	5/8" x 3/4" & 3/4"	3/4"	Handwheel	0.93 lbs.
368-0635	1″	1″	Handwheel	1.61 lbs.



Barrel and Nosepiece are in contact with potable water and will conform to UNS C89833. They will be marked, "NL", and are certified by UL for compliance with NSF/ANSI 61 and NSF/ANSI 372, per the U.S. Safe Drinking Water Act. EPDM and fiber seals meet NSF/ANSI 61.

Handwheel is not in contact with potable water and will conform to UNS C83600.



	Yoke							Expande	er	
Meter Size	A"	B"	C"	D"	Wt., lbs.	Item No.	Bore Size	E", min max.	Wt., Ibs.	Item No.
5/8"	10.69"	8.19"	5.16"	3.88"	3.9	367-5470	0.59"	1.44" - 1.75"	0.65	368-0630
5/8" x 3/4"	10.94"	8.34"	5.16"	3.88"	4.1	367-5469	0.72"	1.75" - 2.0"	0.85	368-0632
3/4"	12.31"	9.81"	5.16"	3.88"	4.4	367-5471	0.72"	1.75" - 2.0"	0.85	368-0632
1"	14.88"	11.75"	6.69"	5.34"	7.25	367-5472	0.97"	2.19" - 2.63"	1.65	368-0635

Material:

ASTM Class 30 Gray Iron, black E-coat all surfaces.

UNS C89833 - Barrel and Nosepiece certified by UL for compliance with NSF/ANSI 61 and NSF/ANSI 372, per the U.S. Safe Drinking Water Act. (In contact with potable water).

METER YOKE and EXPANSION CONNECTIONS

Drawn to Scale

Drawn: FCN 05/19/14 Revision:
FCN
04/07/15

Trumbull Manufacturing

Youngstown, Ohio www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

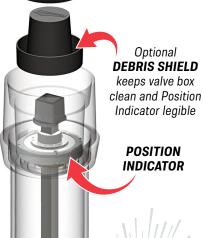
Customer Service 828-477-4601

Sales 828-735-1978

sales@jxtcompany.com

-www.trumbull-mfg.com





"No Field

Drilling

or Pinning

Required!'

with Square Stems

- Eliminates broken valve stems caused by over-opening or over-closing
- Field-adjustable for any number of turns within the range of each model
- CLOSED CLOSED CLOSED 10,060,100 No.'s 8,550,115 | 9,347,583,10,060,100 No.'s 8,550,115 | 9,347,583,100 No.'s 8,550,100 No. Constructed of heavy-duty. non-corrosive DuPont™ Delrin® polymer, providing high-impact resistance even in cold climates
- Double O-ring seals keep out water and dirt
- Third-party tested to over 1 million revolutions
- Provided with stainless steel hardware
- Also available for use above ground in the floor or with Wall Brackets (see pages F-9 to F-10)



- 7. Specify direction of open (open left or open right)
- 2. Model required (available in 57, 275 or 870 turns)

Model	Number	Open Left	Open Right
Number	of Turns	Item №	Item №
57T	0 - 57	367-9394	367-9393
275T	0 - 275	367-9396	367-9395
870T	0 - 870	367-9400	367-9399

- 3. Extension Stem required (1-1/4" square)
 - a. Length required (provide "A" dimension on the illustration shown on right side of page F-2)
 - b. Carbon steel or stainless steel
 - c. Tubing or solid bar
- 4. Debris Shield, item 367-9415 is recommended for buried service



3850 Hendricks Road, Youngstown, Ohio 44515

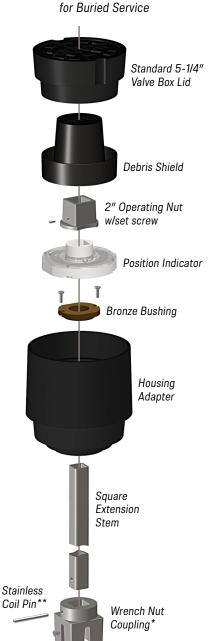
Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com

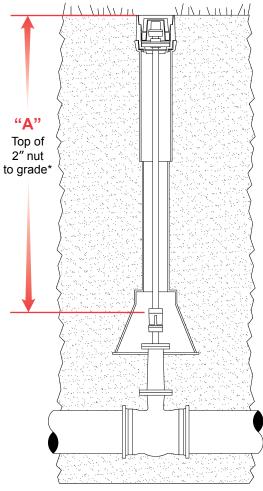
Exploded View

of Square Extension Stem



SQUARE EXTENSION STEM

- * Wrench nut coupling welded to stem at factory.
- ** When bottom coupling is purchased separately, pin is provided.



* The dimension from top of 2" valve nut to grade is used to determine Extension Stem length, per ordering instructions on page F-1.

Extension Stem Torque Ratings

Extension Stems rated for a minimum of 300 ft-lb. For higher torque capacity, consult Trumbull.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Valve Position Indicators

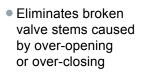
For Buried Service with Telescopic Extension Stems

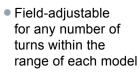


'Nn Field Cutting, Drilling or Pinning Required! with Telescopic

Stems

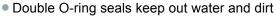
INDICATOR





Constructed of heavy-duty, non-corrosive DuPont™ Delrin® polymer, providing high-

impact resistance even in cold climates



- Third-party tested to over 1 million revolutions
- Provided with stainless steel hardware
- Also available for use above ground in the floor or with Wall Brackets (see pages F-7 to F-10)
- Telescopic stem eliminates the need for precise field measurement of extension stems and provides for ground movement caused by freezing and thawing



- 7. Specify direction of open (open left or open right)
- 2. Model required (available in 57, 275 or 870 turns)

	Model	Number	Open Left	Open Right
	Number	of Turns	Item №	Item №
Ī	57T	0 - 57	367-9394	367-9393
Ī	275T	0 - 275	367-9396	367-9395
	870T	0 - 870	367-9400	367-9399
_				

- 3. Extension Stem required (telescopic)
 - a. Length required (provide "A" dimension on the illustration shown on right side of page F-4)
 - b. Carbon steel or stainless steel
- 4. Debris Shield, item 367-9415 is recommended for buried service





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales 828-477-4601

828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com

Exploded View

of Telescopic Extension Stem for Buried Service



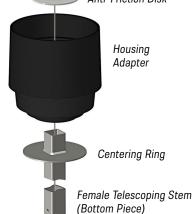
Debris Shield



Position Indicator



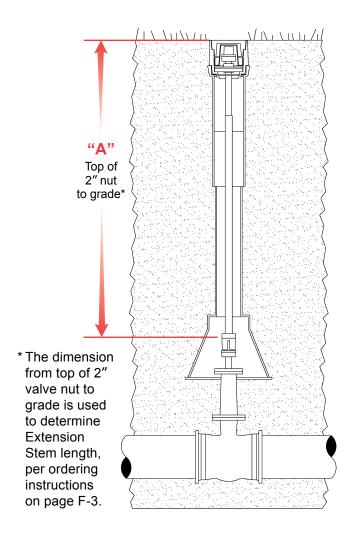
Anti-Friction Disk



TELESCOPIC EXTENSION STEM

Wrench Nut Coupling*

- * Wrench nut coupling welded to stem at factory.
- ** When bottom coupling is purchased separately, pin is provided.



Extension Stem Adjustment Ranges and Torque Ratings

for Telescopic Extension Stems

	Range of Dimension "A"		Square Telescopic Extension Stems	
Minimum	Maximum	Length of 1-1/4" Top Part	Length of 1-1/2" Bottom Part	Torque In ft-Ib
3 ft.	4-1/2 ft.	30"	30"	300 ft-lb
4-1/2 ft.	6 ft.	30"	48"	300 ft-lb
6 ft.	7-1/2 ft.	30"	66"	300 ft-lb
7-1/2 ft.	9 ft.	30"	84"	300 ft-lb
9 ft.	10-1/2 ft.	30"	102"	300 ft-lb

Other stem ranges available upon request.

Stainless Coil Pin*



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

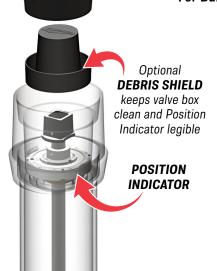
Sales 828-735-1978

sales@jxtcompany.com

-www.trumbull-mfg.com

Valve Position Indicators

For Buried Service with Round Extension Stems



- Eliminates broken valve stems caused by over-opening or over-closing
- Field-adjustable for any number of turns within the range of each model
- CLOSED CL Constructed of heavy-duty, non-corrosive DuPont™ Delrin® polymer, providing high-impact resistance even in cold climates
- Double O-ring seals keep out water and dirt
- Third-party tested to over 1 million revolutions
- Provided with stainless steel hardware and pin
- Also available for use above ground in the floor or with Wall Brackets (see pages F-7 to F-10)

- 7. Specify direction of open (open left or open right)
- 2. Model required (available in 57, 275 or 870 turns)

Model	Number	Open Left	Open Right	
	Number	of Turns	Item №	Item №
ĺ	57T	0 - 57	367-9404	367-9403
Ī	275T	0 - 275	367-9406	367-9405
ĺ	870T	0 - 870	367-9410	367-9409

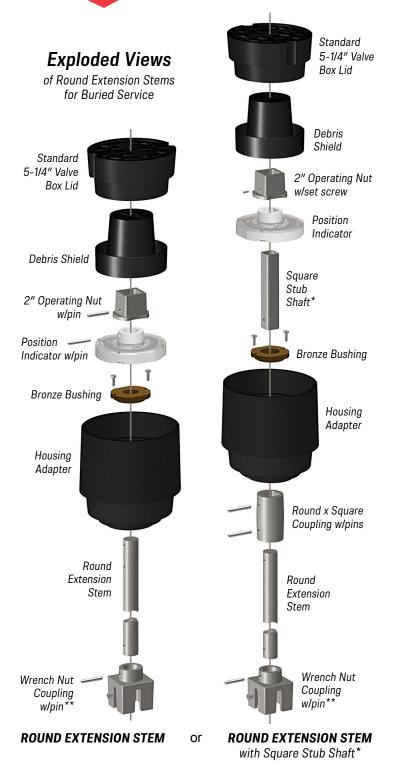
- 3. Extension Stem required (round)
 - a. Length required (provide "A" dimension on the illustration shown on right side of page F-6)
 - b. OD required (maximum OD of 1.75")
 - c. Carbon steel or stainless steel
- 4. Debris Shield, item 367-9415 recommended for buried service



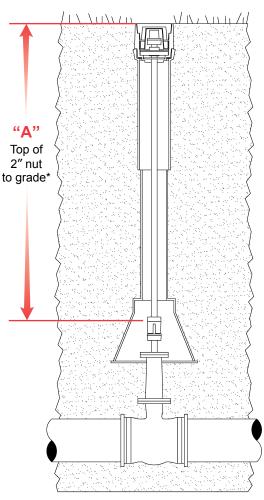
3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com



- * Using a square stub shaft saves field drilling and installation of pins inside housing adapter.
- ** Wrench nut coupling normally furnished pinned to stem.



* The dimension from top of 2" valve nut to grade is used to determine Extension Stem length, per ordering instructions on page F-5.

Extension Stem Torque Ratings

Consult your Trumbull Rep for torque ratings.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

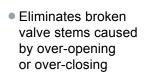
Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

Valve Position Indicators

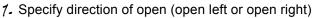
Installation in Floor



- Field-adjustable for any number of turns within the range of each model
- Constructed
 of heavy-duty,
 non-corrosive
 DuPont™ Delrin® polymer,
 providing high-impact
 resistance even in cold climates

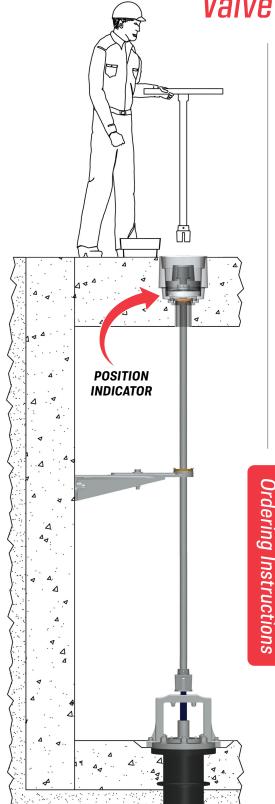


- Third-party tested to over 1 million revolutions
- Provided with stainless steel hardware
- Also available w/Wall Bracket for mounting to tank walls (pages F-9 to F-10), and in Valve Boxes for buried service (pages F-1 to F-6)



- 2. Model required (available in 57, 275 or 870 turns, shown below)
- 3. Extension Stem required
 - a. Length required
 - b. Round (maximum OD of 1.75"), 1-1/4" square, or round x square stem (see reverse for details)
 - c. Carbon steel or stainless steel
- 4. Housing Adapter Floor Box style
 - a. Cast iron housing (unsealed), see page F-11
 - b. Carbon steel or stainless steel (sealed), see page G-13

	Square E	xt. Stem	Round Ext. Stem		
Model	Open Left	Open Right	Open Left	Open Right	
Number	Item №	Item №	Item №	Item №	
57T	367-9394	367-9393	367-9404	367-9403	
275T	367-9396	<i>367-9395</i>	367-9406	367-9405	
870T	367-9400	367-9399	367-9410	367-9409	





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

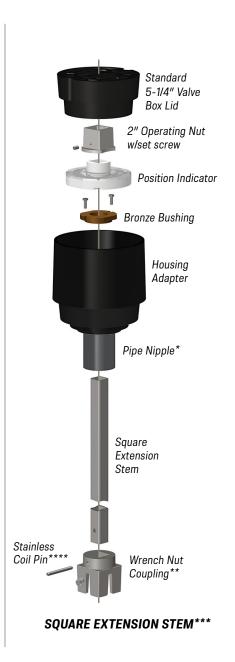
Email sales@jxtcompany.com

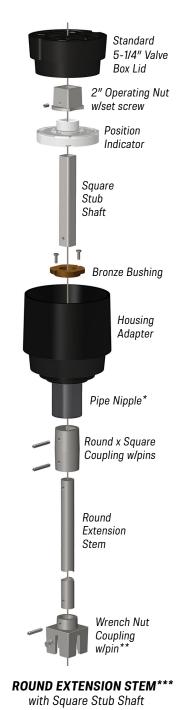
www.trumbull-mfg.com

Exploded Views

Extension Stem Installation in Floor







- * Use a pipe nipple 5/8" longer than the increase in floor slab thickness required, as the tapped thread is 5/8" deep.
- ** Wrench nut coupling normally furnished pinned to round stems, and factory welded on square stems.
- *** Using a square Extension Stem, or a round Extension Stem with a square stub shaft saves field drilling and installation of pins inside floor box.
- **** When bottom coupling is purchased separately, pin is provided.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

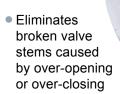
Email sales@jxtcompany.com

-www.trumbull-mfg.com

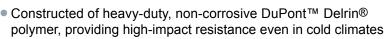
Valve Position Indicators

Installation with Wall Bracket









- Double O-ring seals keep out water and dirt
- Third-party tested to over 1 million revolutions
- Provided with stainless steel hardware
- Also available for use in the floor (pages F-7 to F-8), and in Valve Boxes for buried service (pages F-1 to F-6)

Ordering Instructions

7. Specify direction of open (open left or open right)

- 2. Model required (available in 57, 275 or 870 turns)
- 3. Extension Stem required
 - a. Length required
 - b. Round (maximum OD of 1.75") see next page for details
 - c. Carbon steel or stainless steel

Model	Number	Open Left	Open Right
Number	of Turns	Item №	Item №
57T	0 - 57	367-9404	367-9403
275T	0 - 275	367-9406	367-9405
870T	0 - 870	367-9410	367-9409



3850 Hendricks Road, Youngstown, Ohio 44515

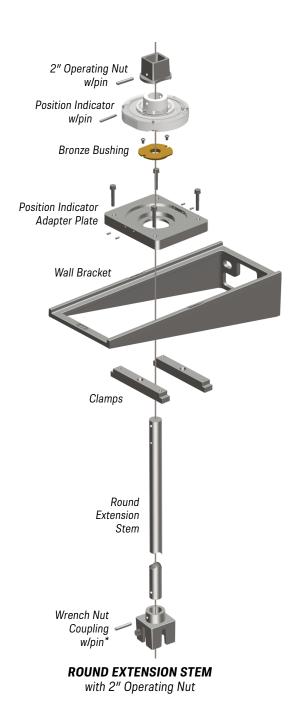
Customer Service 828-477-4601 Sales 828-735-1978

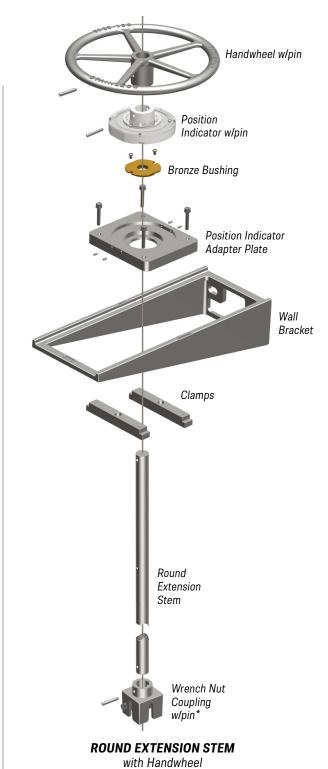
Email sales@jxtcompany.com

www.trumpuii-mrg.com

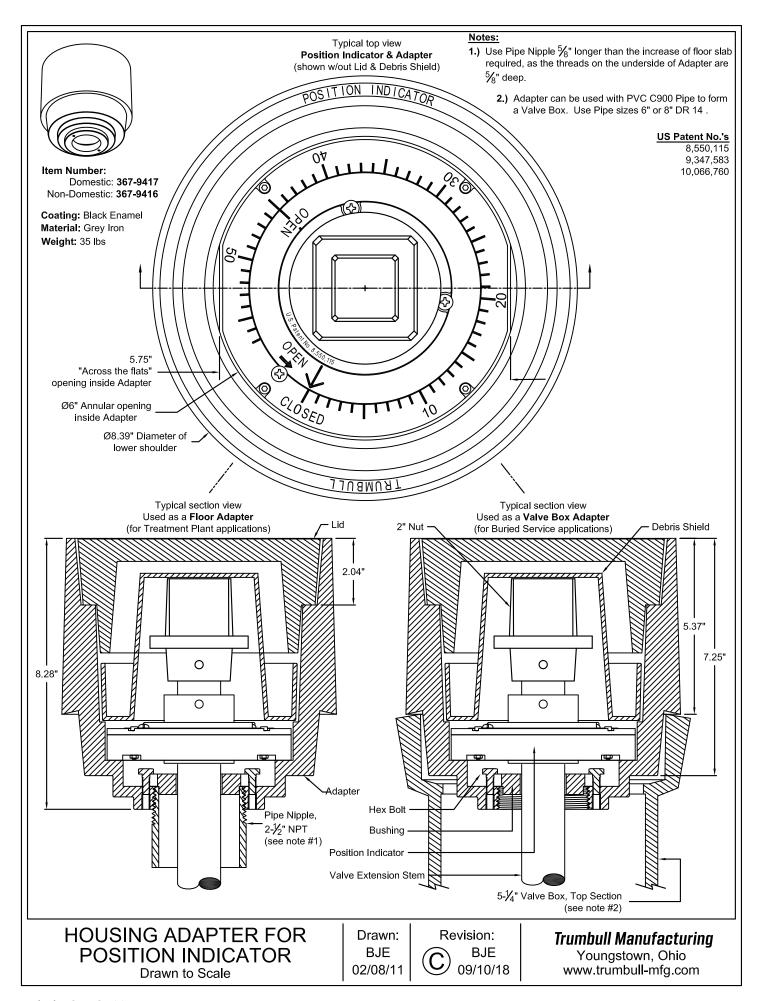
Exploded Views

Round Extension Stems Installation with Wall Bracket





* Wrench nut coupling normally furnished pinned to stem.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

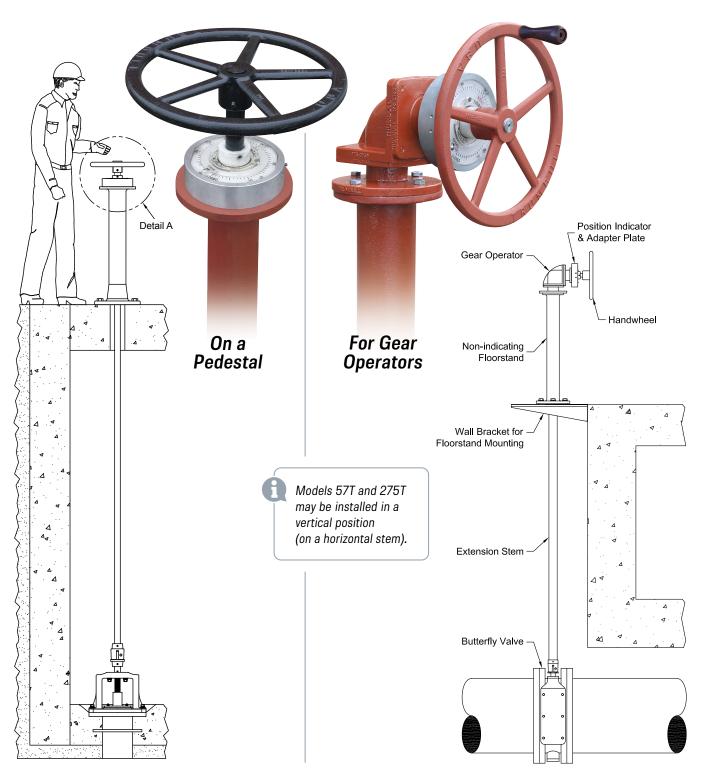
Email sales@jxtcompany.com

-www.trumbull-mfg.com

Valve Position Indicators

Installation with Floorstands

US Patent No.'s 8,550,115 / 9,347,583 / 10,066,760



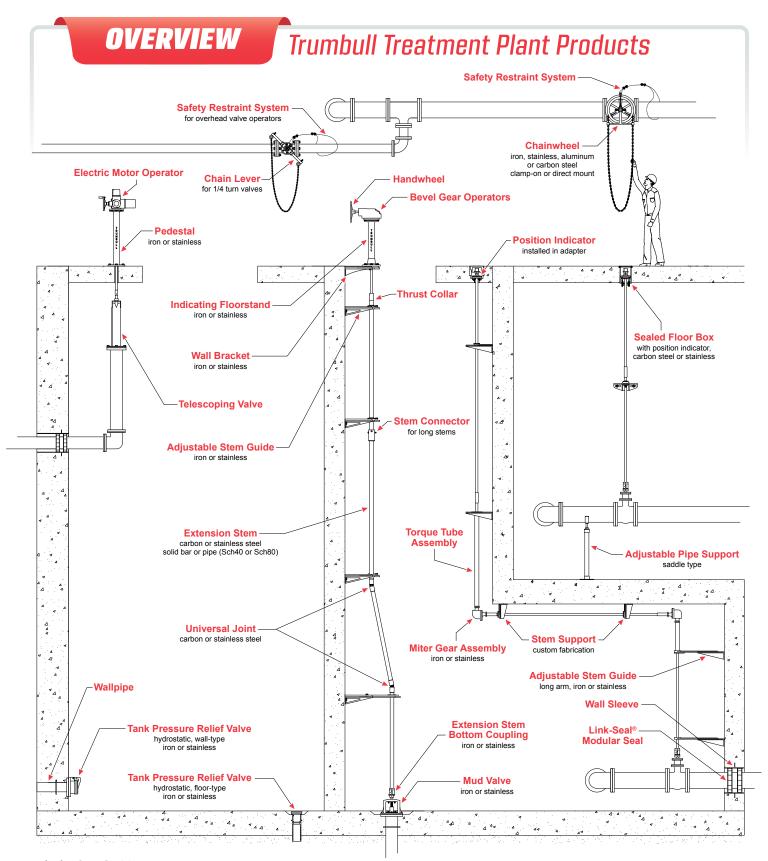


3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email

828-477-4601 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com





3850 Hendricks Road, Youngstown, Ohio 44515

Phone: 330.270.7888

Toll Free: 877.504.1507 Fax: 330.392.0756

-www.trumbull-mfg.com

Round Valve Extension Stems

Solid Bar or Pipe - Carbon Steel or Stainless Steel

Square Stems are shown on **PAGE G-3**

Trumbull Round Valve Extension Stems are used to raise the elevation of both buried and "in-plant" valves having a 2" square operating nut. We can also adapt to valves without 2" nut.

The extension stem is made up of an extension rod (or pipe), a 2" square top wrench nut (or handwheel), and a bottom wrench nut coupling. Wrench nut coupling fits over the 2" square nut of the valve stem being extended, held to the nut by two cap screws with jam nuts threaded in the bottom coupling.

The top nut (or handwheel) and bottom coupling are pinned to the extension rod (or pipe) which is drilled to receive stainless steel coil pins. The top nuts and bottom couplings are available in either ductile iron, grade 65-45-12, or stainless steel, Type 316. The pinned connections permit the removal of the castings so the rod can slide through Trumbull Floor Boxes and Stem Guides. Extensions can easily be shortened by cutting the stem and re-drilling for the pin. Optional handwheel **EXTENSION STEM ASSEMBLY** and bottom Using a Wrench Nut and Wrench Nut Coupling coupling Extension Stem 2" square -Coiled Spring Pins 3" Dia. 5/16" x 2" Top nut Stem Wrench and bottom Length Nut coupling Wrench Nut Coupling Hex Head Cap Screw with Jam Nut, 2 each 1/4", Stainless Steel Valve stem square nut 2.9" square *Smaller diameter stems use 5/16" x 2" SS Coiled Spring Pins while larger stems use 5/16" x 3" SS Coiled Spring Pins.



Extension Stems are normally furnished complete with top nut (or handwheel), rod, bottom coupling, two cap screws with jam nuts and pins. Top nuts and bottom couplings are also available for separate sale (see page G-4). Universal Joints, Thrust Collars and Miter Gears are also available. See page G-6 for illustration of custom installations.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@ixtcompany.com

www.trumbull-mfg.com

Square Valve Extension Stems

Telescopic and Non-Telescopic Types

Round Stems are shown on **PAGE G-2**





When using Trumbull's Valve Position Indicator for buried service, Square Extension Stems are recommended. They eliminate the need to drill holes and pin the stem to attach the Position Indicator and the 2" nut in the field (see pages F-1 and F-2).



TELESCOPIC EXTENSION STEMS

Telescopic Stems are a useful option in the choice of Extension Stems, eliminating the need for time-consuming measurements. One of the additional advantages of Telescopic Stems is their ability to adapt to ground movements caused by freezing and thawing cycles. These stems can accommodate the natural shifts and changes in the environment. This solution simplifies the installation process and guarantees long-term durability and reliability. It can streamline operations, and offer peace of mind to professionals working with Extension Stems.

Telescopic Extension Stems can be furnished with Valve Position Indicators for buried service (US Patented), as illustrated on pages F-3 and F-4.

Telescopic Extension Stems are furnished only as complete units. They use a 1-1/4" square tubular upper section which slides inside a 1-1/2" square tubular bottom section. This style has an adjustment range, which saves the installer from field cutting the stem to the exact length required. The non-telescopic version uses 1-1/4" square stock, either solid or tubular, (shown on page F-1).

The top nuts and bottom couplings used with Square Extension Stems have an internal square cavity that fit the square stems. The flat sides inside the cavity bear against the flat sides of the stem, reducing the dependence on the drive pins used to connect the top nuts and bottom couplings of round extension stems. This enables the installer to cut Square Extension Stems in the field and attach the top coupling with two cap screws, as opposed to drilling for a drive pin. Because of its location, the bottom coupling should be welded or pinned, to provide a secure connection. The top nuts and bottom couplings are domestic ductile iron, grade 65-45-12, or Type 316 stainless steel. Carbon or stainless steel bar or tubing is domestic.

Trumbull can provide Square Extension Stems complete with the required length of square stock, top nut with set screw and welded bottom coupling with two stainless cap screws and jam nuts. Or, the components can be purchased separately for non-telescopic stems (page G-4).

See page F-3 for ordering information and page F-4 for adjustment ranges.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales Email 828-735-1978 sales@jxtcompany.com

www.trumbull-mfg.com

Top Nuts and Bottom Couplings

For Round and Non-Telescopic Square Stems - Ductile Iron and Stainless Steel

	Solid	Max Torq*	Steel	Max Torq*	Bore	Top Nut	Bottom Coupling
	Rod	in ft-lb	Pipe	in ft-lb	Diameter	Item №	Item №
	7/8"	340	1/2"	325	0.905"	367-4953	367-4963
S	1"	390	3/4"	410	1.155"	367-4954	367-4964
DE	1-1/4"	480			1.265"	367-4905	367-4915
IRON MODELS			1″	510	1.330"	367-4901	367-4910
N	1-3/8"	530			1.390"	367-4955	367-4965
IRC	1-1/2"	580	1-1/4"	640	1.675"	367-4956	367-4966
3	1-3/4"	680	1-1/2"	740	1.929"	367-4957	367-4967
CTIL	2"	775			2.047"	367-4958	367-4968
DC			2"	920	**	367-4959	367-4969
	1-1/4	l" squar	e stems	***		367-4930	367-4938
	3/4"	325			0.780"	367-4931	367-4941
STEE	1-1/4"	480			1.265"	367-4935	367-4945
			1″	510	1.330"	367-4933	367-4943
525	1-1/2"	580	1-1/4"	640	1.675"	367-4934	367-4944
N			1-1/2"	740	1.929"	367-4932	367-4942
STAINLESS			2"	920	**	367-4936	367-4947
S	1-1/4	l" squar	e stems	***		367-4929	367-4937

- * Maximum torque is based on the minimum load for 5/16" coil pin. For higher torque capacity or for square stems, consult Trumbull.
- Nuts and Couplings have 2.030" hub diameter; fit inside 2" pipe.
- Max torque is 250 ft-lb for 1-1/4" square tubing and 460 ft-lb for solid bar.



- 7. Top Nut for small round stem
- 2. Top Nut for large round stem
- 3. Top Nut for 1-1/4" square stem
- 4. Bottom Coupling for small round stem
- 5. Bottom Coupling for large round stem
- 6. Bottom Coupling for 1-1/4" square stem

Handwheels are available. Contact Trumbull for more information.

Cast Handwheels

oust Hundwilders			3	30 30 30	
	Item №	Material	O.D.	Description	Weight
	367-4961	Cast Iron	14"	Bored to fit 1.188" rod or larger	11.60 lbs.
	367-4962	Cast Iron	14"	Socket to fit 2" square AWWA nut	15.15 lbs.
	367-2043	316 SS	14"	1" Rod, made of cast 316 SS	11.20 lbs.
	367-2044	316 SS	14"	1" Pipe,made of cast 316 SS	11.20 lbs.
	367-2046	316 SS	14"	1-1/4" Rod, made of cast 316 SS	11.20 lbs.
	367-2047	316 SS	14"	1-1/4" Pipe,made of cast 316 SS	11.20 lbs.

Tubular Handwheels

Item №	Material	Dia.	Bore	Weight
367-2055	CS	8″	1.010"	3.40 lbs.
367-2054	CS	12"	1.010"	4.35 lbs.
367-2056	CS	18"	1.010"	5.45 lbs.
367-2057	CS	24"	1.010"	5.70 lbs.
367-2058	CS	30"	1.010"	10.30 lbs.
391-0941	SS	8″	1.010"	3.40 lbs.
391-0942	SS	14"	1.010"	4.90 lbs.
391-0943	SS	18"	1.010"	5.45 lbs.
391-0944	SS	24"	1.010"	5.70 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email 828-477-4601 828-735-1978 sales@jxtcompany.com

www.trumbull-mfg.com

ORDERING INFORMATION Valve Extension Stems

ROUND COMPLETE EXTENSION STEMS

- 7. Quantity
- 2. Overall length See "Stem Length" of drawing on page G-2.
- 3. Order using the following chart:

Material	Pipe or Solid Bar	Туре	Operator	Coating
	Dino	Sch. 40		
Carbon	Pipe	Sch. 80	2" DI Square	Black Enamel
Steel	Solid Bar	Hot Rolled	Nut, or 14" CI Ename Handwheel* **	
	Soliu Dai	Cold Rolled		
	Pipe (Sch. 40)	304	2" SS Square	
Stainless Steel	Fipe (301. 40)	316	Nut, or 14"	n/a
	Solid Bar	304	Handwheel,	II/a
	Sullu Dal	316	CI or SS	

4. Any special requirements, such as Handwheels, Valve Box Centering Rings, Universal Joints, Valve Position Indicators or Miter Gears.

SOUARE COMPLETE **EXTENSION STEMS**

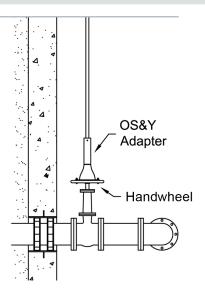
- 1. Quantity required
- 2. Overall length
- 3. Material type
 - a. carbon or stainless steel
 - b. solid bar or tubing

1-1/4" SQUARE ONLY See Page G-3.

- * Other handwheel diameters available (see page G-4).
- ** Tnemec 37H-77 & N140-1211 normally stocked. Additional coatings, such as power coating, also available.

EXTENSION STEM COMPONENTS ONLY

- 7. Specify quantity of top nuts, bottom couplings, handwheels and stem couplings. Top nut and handwheel furnished with stainless coil pin. Bottom coupling furnished w/stainless coil pin & two cap screws/jam nuts.
- 2. For ductile iron top nut and bottom coupling select from chart on page G-4, based on type and diameter of extension being used. Stainless steel top nut and bottom coupling are normally furnished to fit 1-1/4" solid rod or 1" Sch 40 pipe. Specify if larger bore sizes are required, up to a maximum of 2".



OS&Y Adapters"Outside Screw and Yoke" Adapters

OS&Y/Handwheel Adapters are designed to allow an extension stem to be added to a rising stem valve with an existing handwheel.

These adapters give the operator the flexibility of operating the valve from either the actual valve location, or at some elevation above the valve.



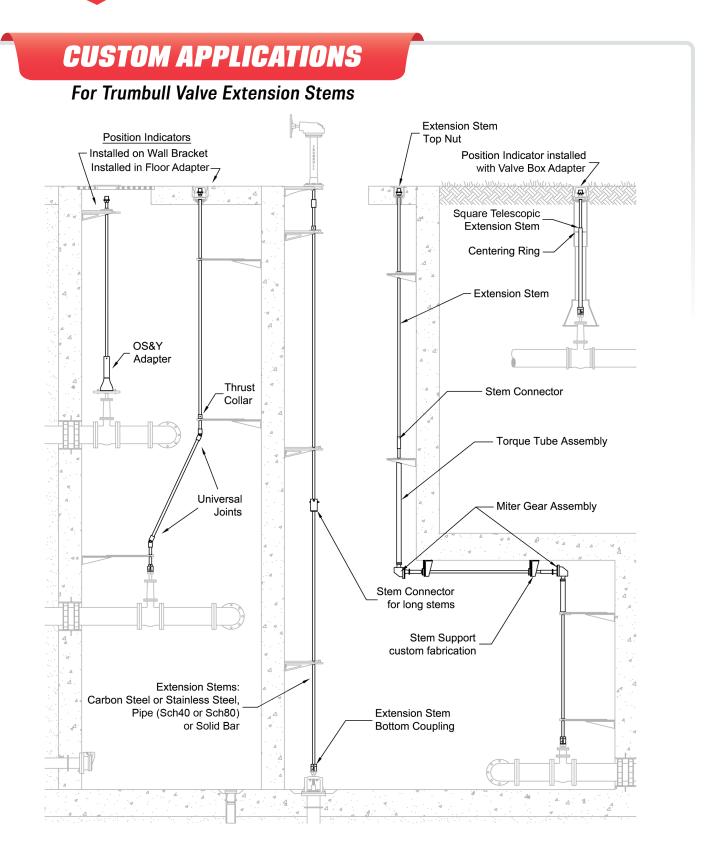


3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

Universal Joints

Used to Correct Misalignment of Valve Extension Stems

Trumbull Heavy-Duty Universal Joints are the answer to many common misalignment problems often encountered in valve applications.

Access to valves in treatment plants is often blocked by piping, equipment, or structural obstructions, requiring operation from a location that is not in line with the valve stem. The use of Universal Joints can help solve this situation, as shown by the typical application figure at right.

An optional resilient boot is recommended to seal and protect the Universal Joint, while still permitting full motion. The boot is packed with water-resistant grease on-site, keeping out contaminants and maximizing service life. The boot is furnished with stainless steel retainer clamps. Grease is supplied by customer.



UNIVERSAL JOINT shown with optional EPDM grease boot assembly

Universal Joints*

Includes two 5/16" x 2" coil spring pins

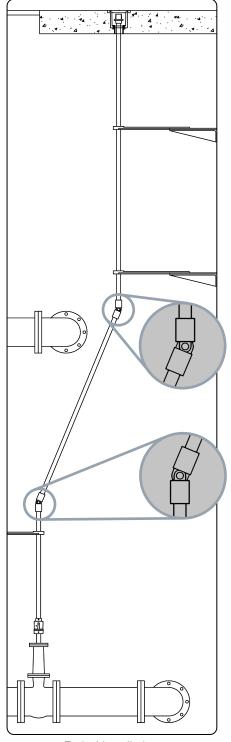
Material	Item №	Weight
Carbon Steel	<i>367-8352</i> **	3.65 lbs.
T304 SS	<i>367-8355</i> **	3.70 lbs.
T316 SS	367-8356**	3.70 lbs.

Boot Assembly

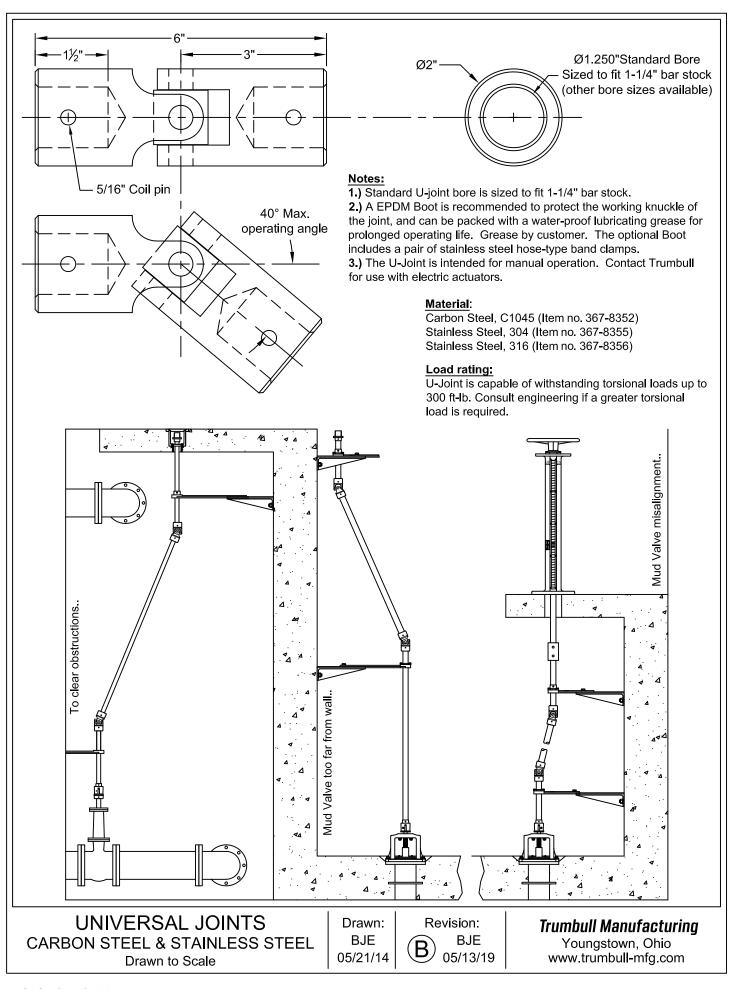
Includes two clamps

Item №	Weight
367-8360	0.20 lbs.

- * Recommended maximum torque is 250 ft-lb. For applications with higher torque requirements, consult Trumbull. Maximum operating angle is 40°.
- ** Item numbers shown are bored to accept 1-1/4" rod. Other bore sizes are available upon request.



Typical installation





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com

Miter Gears

Heavy-Duty, Enclosed Gear Assemblies Available in Ductile Iron and Stainless Steel

Gear Ratio = 1:1, Input/Output Shaft Diameter = 0.984".

See reverse side for drawings of model end options.

Trumbull Miter Gears are designed to fulfill these primary functions:

- To be used as an add-on component to Trumbull Floorstands or Pedestals.
- To be mounted directly to valves where a 90° change in the input shaft direction is required.
- For use as a stand-alone component in a valve operating assembly with rotating elements, such as extension stems, where the installed conditions require one or more 90° changes of direction.

Housings are cast 316 stainless steel or ductile iron 65-45-12 with a Tnemec N140-1211 two-part epoxy, NSF-61 certified exterior coating. The gears are case hardened steel; the gear shafts and fasteners are 316 stainless steel.

Trumbull Miter Gear Assemblies are provided standard with a recessed grease fitting for easy maintenance and Buna-N O-ring seals on each end adapter.





Trumbull Miter Gears have a recommended maximum working torque of 200 ft-lb (270 N-m). For applications with higher torque requirements, please consult Trumbull.

End Configurations	Model №	Weight	Typical Usage for Each End Adapter
8" Round x 3-1/2" Round	MG1A	39.00 lbs.	8" Round - mates to our Floorstands 3-1/2" Round - for use with handwheel or nut operators
8" Round x 8" Round	MG1C	46.00 lbs.	Both 8" Round ends mate to our Floorstands & other fabrications such as torque tubes
3-1/2" Round x 3-1/2" Round	MG3A	32.00 lbs.	Both 3-1/2" Round ends for use with either extension stem assemblies, handwheel, or nut operators

MG1A – 8" Round x 3-1/2" Round 3-1/2" Round Adapter Plate Fibow TRUMBULL TRUMBULL TRUMBULL TRUMBULL TRUMBULL

MG2A - 4-1/4" Square x 3-1/2" Round 3-1/2" Round Adapter Plate Customer Adapter Elbow TRUMBULL Adapter 4-1/4" Square Adapter Plate

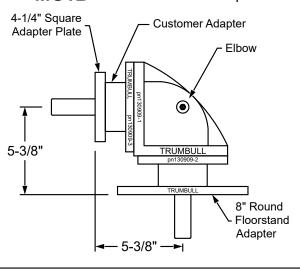
MG1B - 8" Round x 4-1/4" Square

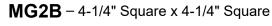
- 5-3/8" -----

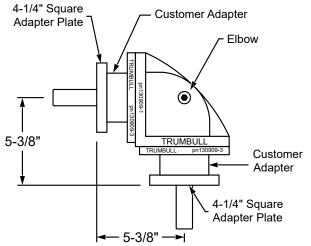
8" Round

Adapter

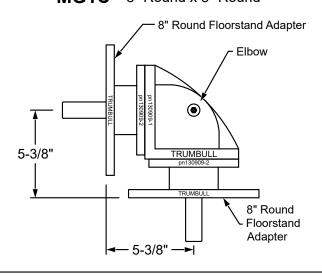
Floorstand



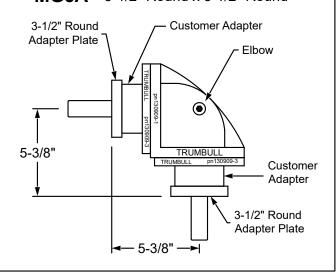




MG1C - 8" Round x 8" Round



MG3A - 3-1/2" Round x 3-1/2" Round



MITER GEAR COMBINATIONS

Drawn to Scale

Drawn: FCN 10/27/14 Revision: FCN 09/18/19



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

sales@jxtcompany.com

-www.trumbull-mfg.com

Cast Iron Floor Box

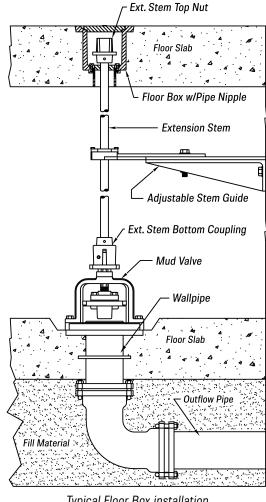
Floor Boxes are designed for installation in concrete floors or slabs to provide support for extension stems for non-rising type valves, and to provide a cover over the operating nut on the extension stem.

The Trumbull Cast Iron Floor Box is designed for varying slab thicknesses. Overall length is 6", but the underside is tapped to accept 2-1/2" NPT steel pipe nipples for floors thicker than 6". When it's necessary to use a Floor Box with thicker floors, use a 2-1/2" pipe nipple, 1/2" longer than the increase required, as the threads on the underside of the Floor Box are 1/2" deep (see picture on lower right corner of page G-13). For example, for an 8" floor thickness use a 2-1/2" x 2-1/2" nipple. For a 10" floor, use a 2-1/2" x 4-1/2" nipple.

When a stem is required that is larger than the 2-1/2" pipe I.D., a 3" pipe nipple will be welded to the bottom of the Floor Box.

The Cast Iron Floor Box should be ordered with a removable brass bushing for which the maximum drilling is normally 2-3/8" diameter. For larger diameters, please contact Trumbull. However, when used with floors thicker than 6", clear opening is limited to the I.D. of the pipe nipple. See reverse side for drawing.





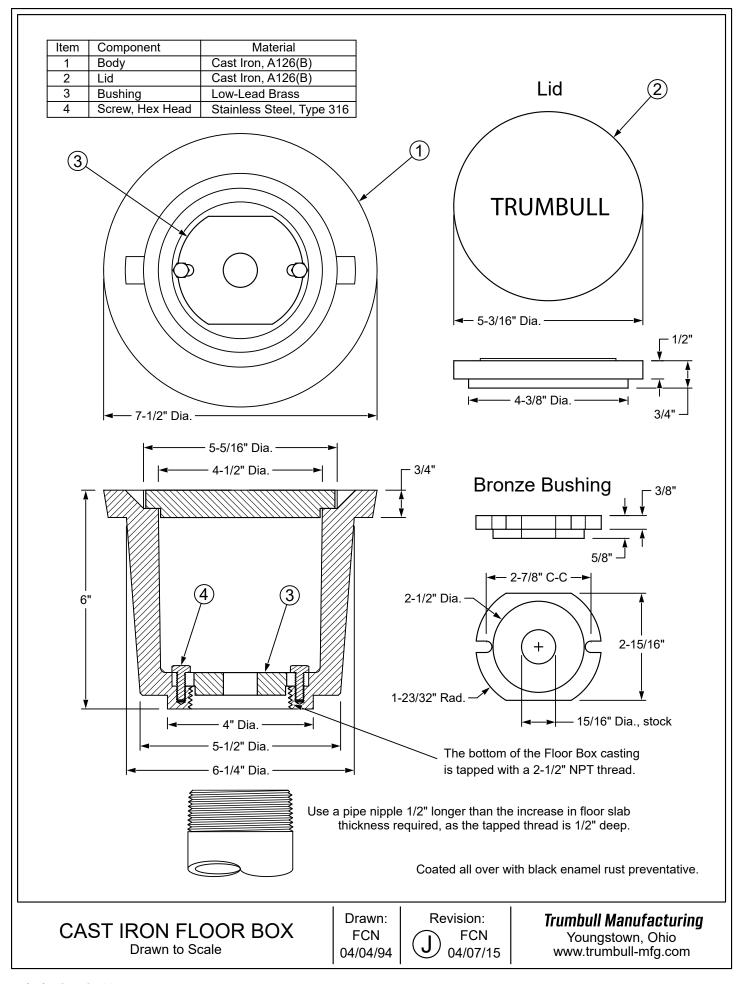
Typical Floor Box installation

Bushings are available in:

- Low-lead brass
- Ultra High Molecular Weight Polyethylene (UHMWPE)
- NSF 61 approved polymer (Ryton® R-4)

- 1. Quantity required
- 2. Thickness of floor slab, or length of pipe nipple required
- 3. O.D. of stem being used, or desired bushing material & hole size
- 4. Custom options available such as stainless steel construction, O-Ring lids, water-tight seals, tamper-resistant lids & anchoring collar

When Valve Position Indicator is installed in a floor, use the cast iron **HOUSING ADAPTER** illustrated on pages F-1 - F-8, or the **SEALED FLOOR BOXES** shown on pages G-13 - G-16.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

6" Sealed Floor Boxes

Available in Cast Carbon Steel and Cast Stainless Steel

SOCKET HEAD CAP SCREWS furnished standard

BUNA-N O-RING

Seals Floor Box at top of floor: furnished standard, other materials available upon request



Trumbull Sealed Floor Boxes are ideal to prevent fluids or vapors from penetrating the floor slab from either direction. Top side is sealed by a Buna-N O-ring, and bottom side can be sealed by use of optional packing gland. Overall length is 6", but the underside is tapped to accept 2-1/2" NPT steel pipe nipples. When it's necessary to convert a Floor Box to thicker floors, use a 2-1/2" pipe nipple, 1/2" longer than the increase required, as the threads on the underside of the Floor Box are 1/2" deep.

NOT for use with Valve Position Inidicators. See page G-15 for Sealed

Floor Boxes for use with

the Position Indicators.



Tapped 2-1/2" threads also permit threading 2-1/2" pipe into underside of Floor Box, to provide an external casing for a smaller internal extension stem.

Floor Boxes

Material	Item №	Weight
Carbon Steel*	367-4623	24.20 lbs.
316 Stainless Steel	367-4624	23.50 lbs.

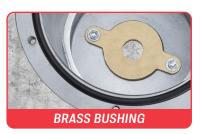
^{*} Carbon steel models are EDP coated.

Optional Accessories

Available as special order

Description	Weight
Packing Gland	2.10 lbs.
Brass Bushing	1.75 lbs.

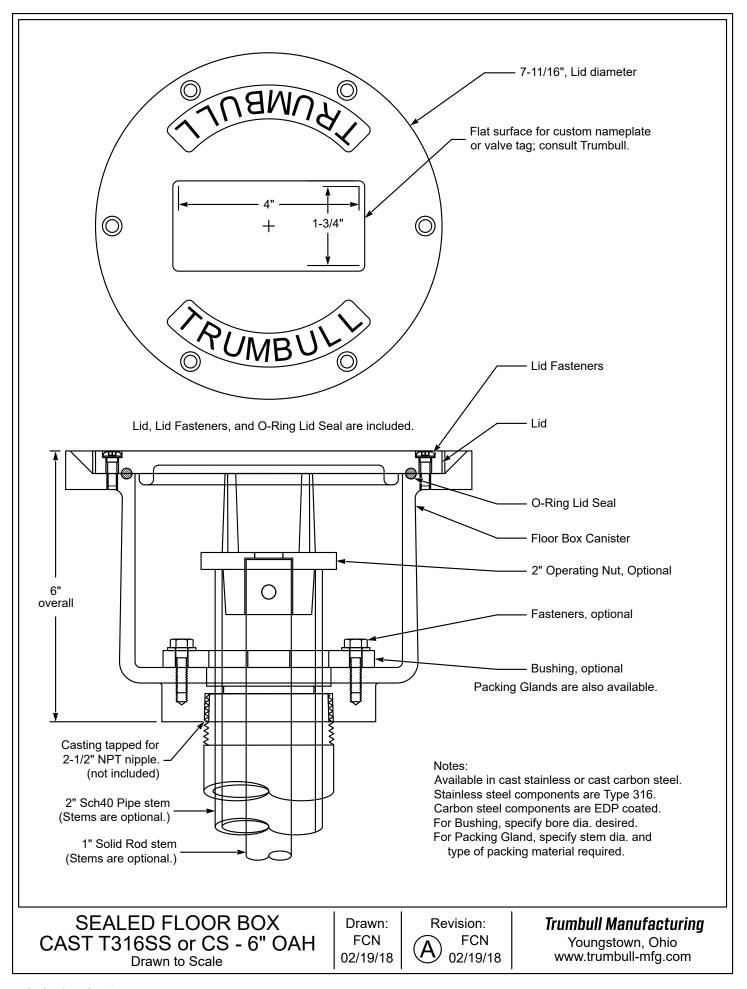














3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

11-1/8" Sealed Floor Boxes

Available in Cast Carbon Steel and Cast Stainless Steel



Trumbull Sealed Floor Boxes are ideal to prevent fluids and vapors from penetrating the floor slab from either direction. Top side is sealed by a Buna-N O-ring, and bottom side can be sealed by use of optional packing gland. Overall length is 11-1/8", but the underside is tapped to accept 2-1/2" NPT steel pipe nipples for floors thicker than 11".

When it's necessary to extend a Floor Box for thicker floors, use a 2-1/2" pipe nipple, 1/2" longer than the increase required, as the threads on the underside of the Floor Box are 1/2" deep.

Floor Boxes

Material	Item №	Weight
Cast Carbon Steel*	367-4622	31.05 lbs.
Cast 316 Stainless Steel	367-4621	33.45 lbs.

^{*} Carbon steel models are EDP coated.

SOCKET HEAD CAP SCREWS

furnished standard (tamper-resistant fasteners and installation tools also available)

BUNA-N O-RING

Seals Floor Box at top of floor; furnished standard, other materials available upon request



Tapped 2-1/2" threads also permit threading 2-1/2" pipe into underside of Floor Box, to provide an external casing for a smaller internal extension stem.

Optional Accessories

Available as special order

PACKING GLAND

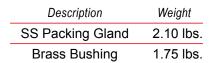
with stainless steel follower seals bottom of Floor Box

BRASS BUSHING

aligns extension stem when bottom seal is not utilized

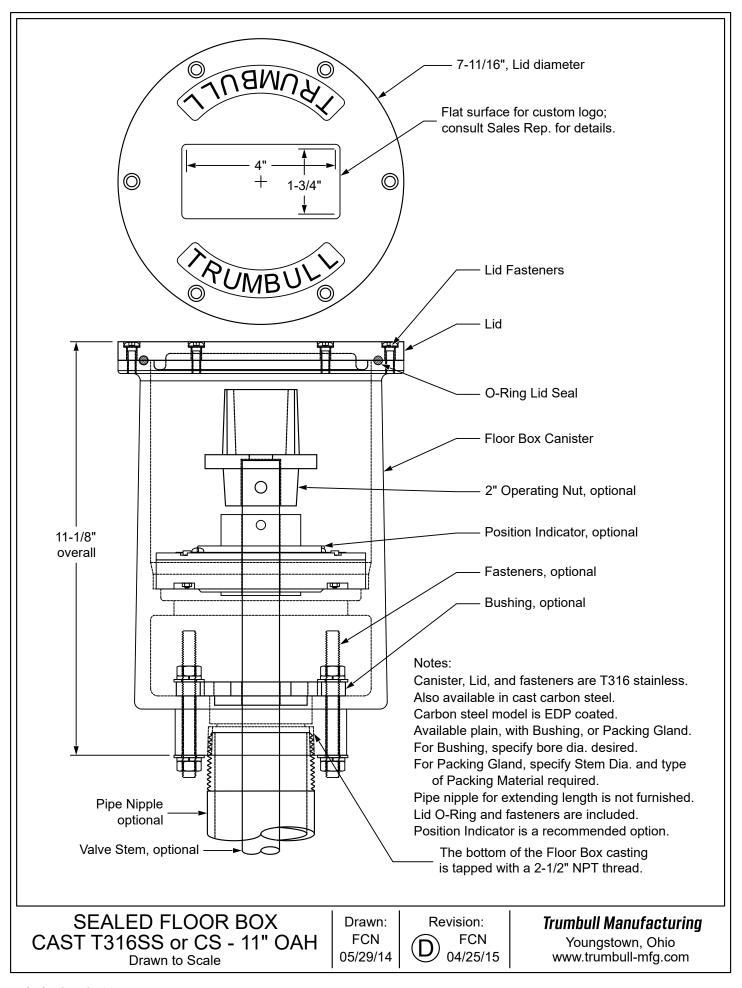
POSITION INDICATOR

can be used with either brass bushing or packing gland, see Pages F-7 and F-8 for Trumbull Valve Position Indicator installation in floors.



See Page G-13 for other custom options.







3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales 828-477-4601 828-735

Email

828-735-1978 sales@jxtcompany.com

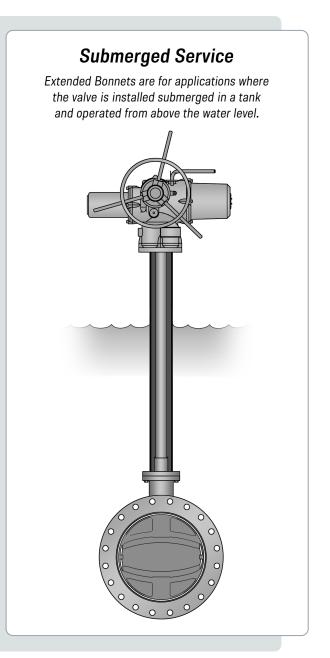
-www.trumbull-mfg.com

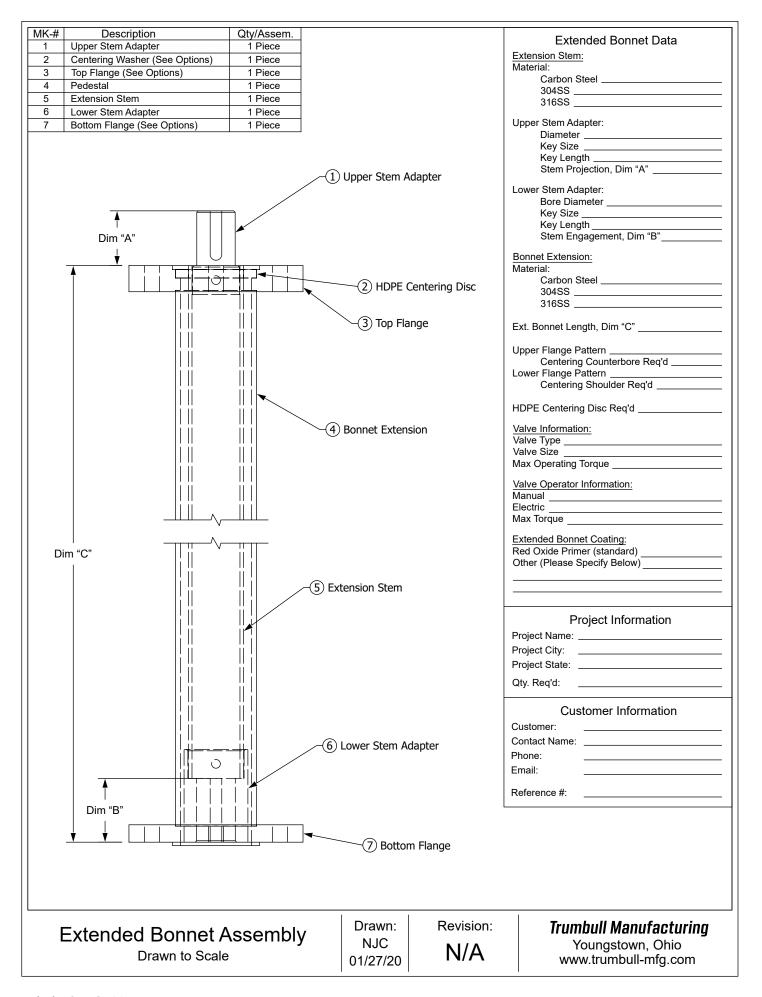
Extended Bonnets

Extended Bonnets are typically provided on valves when there is a need to move the valve operator a set distance away from the valve body. Buried and submerged service installations are the most common Municipal applications.

An Extended Bonnet consists of an outer flanged pipe which connects the valve body to the valve operator housing, and an inner stem extension that connects the valve stem and operator drive. See page G-18 for quoting information.

Buried Service Extended Bonnets ideal for applications where the valve is located below ground with the operator above ground.







3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email 828-477-4601 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Adjustable Stem Guides

Available in Ductile Iron and Stainless Steel

Trumbull Stem Guides are designed for installation in treatment plants and pump stations to provide support for valve extension stems. These Stem Guides are adjustable for stems as close to the wall as 2", or as far away as either 26", 36" or 48".

All ductile iron castings coated with Tnemec N140-1211 epoxy (complies with NSF 61). See reverse side for drawing.

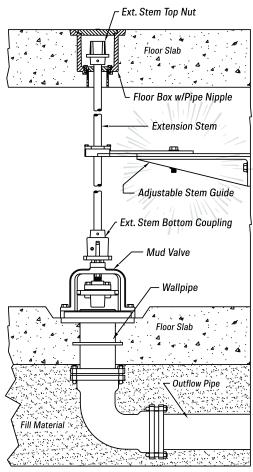


	Ductile	e Iron	316 Stainless Steel		
Adjustment	Domestic	Non- Domestic	Domestic	Non- Domestic	
Range	Item №	Item №	Item №	Item №	
2" to 26"	1367-4960	367-4960	1367-5960	367-5960	
2" to 36"	1367-4970	367-4970	1367-5970	367-5970	
36" to 48"	1367-4974*	367-4974*	1367-5974*	367-5974*	

- * Adjustable arm for 36" to 48" range will be fabricated. Stem Guides for stems up to 72" away from wall can be fabricated from either carbon steel or stainless steel, please inquire.
- ** For product weights, see drawing on Page G-20.

Ordering Instructions

- 1. Quantity required
- 2. Provide the Trumbull item number for the model you require (shown above)
- O.D. of stem being used, or desired bushing material (see note on right) & hole size



Typical Stem Guide installation



Stem Guides are generally recommended at 6' to 8' intervals. Bronze bushings can be drilled up to a 2-1/8" bore diameter for 2" O.D. stems. By removing the bushing larger stems can be accomodated, up to 2-3/8" O.D. See pages G-21 – G-24 for Stem Guides for larger diameter stems.

Bushings are available in:

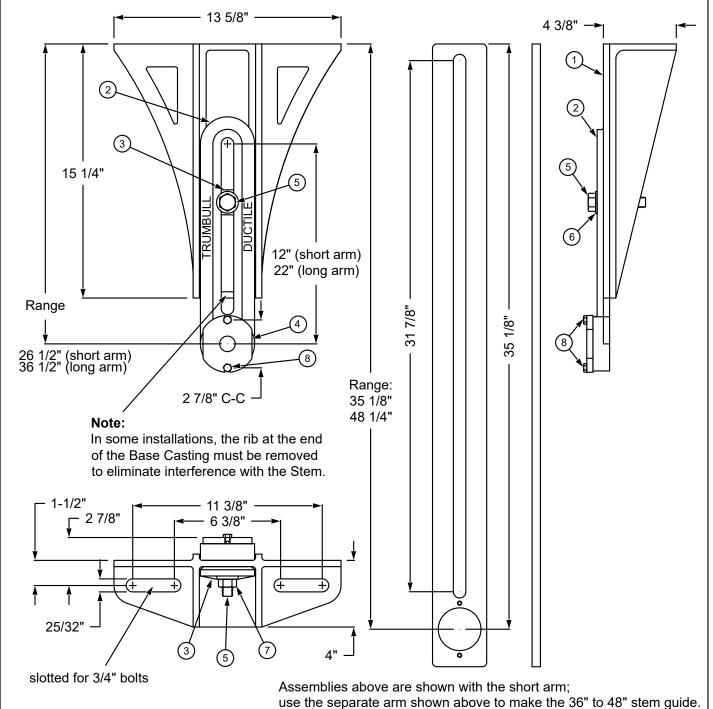
- Low-lead brass
- Ultra High Molecular Weight Polyethylene (UHMWPE)
- NSF 61 approved polymer (Ryton® R-4)

Item	Part	Material		
1	Base	Ductile Iron or Stainless Steel		
2	Arm	Ductile Iron (carbon steel for 36" to 48" version) or Stainless Steel		
3	Clamp	Ductile Iron or Stainless Steel		
4	Bushing	Low-Lead Brass		
5	Bolt	5/8" x 4", Hex Head, Stainless Steel		
6	Washer	1-1/2" O.D., Stainless Steel		
7	Nut	5/8", Hex, Stainless Steel		
8	Screw	1/4"-20 UNC, Stainless Steel		

Item N	lo.	Size	Weight					
Ductile Iron Guides (65-45-12)								
367-49	60	2" - 26"	25 lbs.					
367-49	70	2" - 36"	28 lbs.					
367-49	74	36" - 48"	38 lbs.					

	Stainless	Steel Guid	es (T316)
	367-5960	2" - 26"	25 lbs.
1	367-5970	2" - 36"	29 lbs.
1	367-5974	36" - 48"	37 lbs.

All Ductile Iron and carbon steel components are coated with Tnemec N140-1211, NSF 61 compliant.



ADJUSTABLE STEM GUIDES

Drawn to Scale

Drawn: FCN 04/25/15

Revision:
FCN
07/24/19

Trumbull Manufacturing Youngstown, Ohio

Youngstown, Ohio www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

-www.trumbull-mfg.com

Larger Diameter Adjustable Stem Guides

Removable End Cap Design

Trumbull Larger Diameter Stem Guides are designed for installation in treatment plants and pump stations to provide support for valve extension stems. They accommodate larger stem diameters, expanding the bore capacity up to 4". Coated with Tnemec N140-1211 epoxy (complies with NSF 61). See reverse side for drawing.

Ó

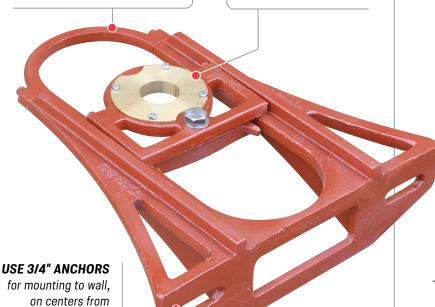
Stem Guides are generally recommended at 6' to 8' intervals.

END CAP DESIGN s a safety restraint for

provides a safety restraint for large or unwieldy stems during installation or maintenance

SPLIT BUSHINGS

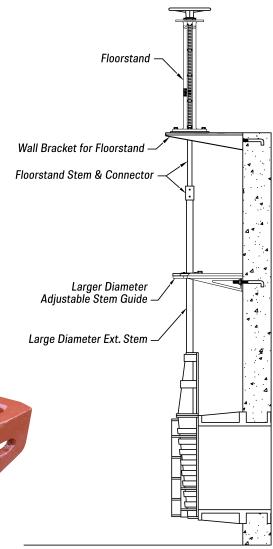
simplify the installation of larger diameter extension stems



 Item №
 Adjustment Range
 For Stem Diameters
 Weight

 367-6960
 2-3/4" to 17-1/4"*
 2" to 4"
 38.65 lbs.

Stem Guides for 4" to 6-1/2" stem diameters, as well as stainless steel models without end caps are shown on pages G-23 and G-24.



Typical installation

Ordering Instructions

- 7. Quantity required
- 2. Trumbull item number
- 3. O.D. of stem being used, or desired bushing material & hole size

Note that a 2-1/8" bore diameter bushing supplied if size is not specified.

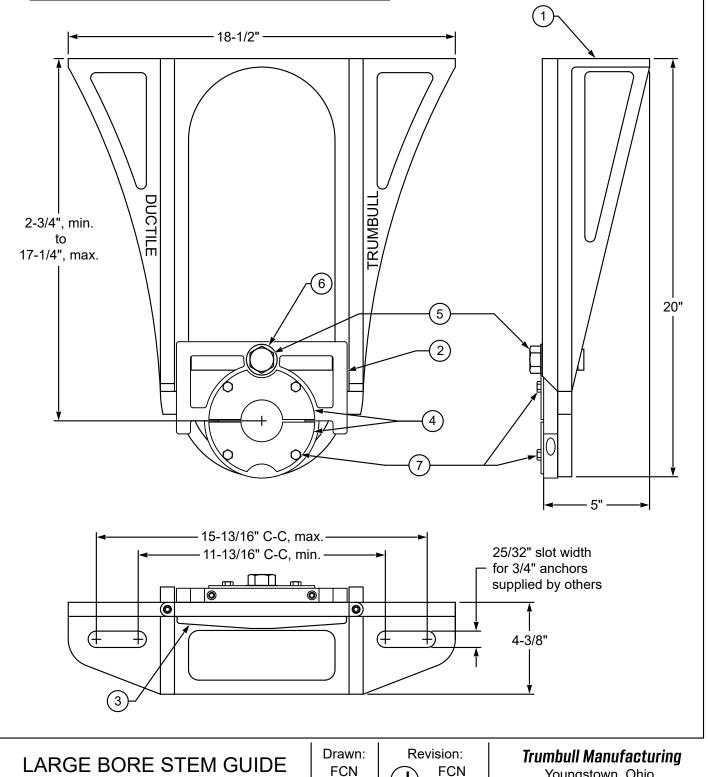
11-3/4" to 15-3/4", supplied by others

^{*} Adjustment range dependent on stem diameter

Item	Part	Material
1	Base	Ductile Iron
2	Arm	Ductile Iron
3	Clamp	Ductile Iron
4	Bushing	Bronze
5	Bolt	5/8" x 4", Hex Head, Stainless Steel
6	Washer	1-1/2" O.D., Stainless Steel
7	Screw	1/4"-20 U.N.C., Stainless Steel

All ductile iron components are coated with Tnemec 140-1211, NSF 61 compliant.

Weight of assembly: 43 lbs.



08/23/99

04/07/15

Drawn to Scale

Youngstown, Ohio

www.trumbull-mfg.com



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@ixtcompany.com

-www.trumbull-mfg.com

Larger Diameter Adjustable Stem Guides Wall Bracket Design

Trumbull Larger Diameter Stem Guides are designed for installation in treatment plants and pump stations to provide support for valve extension stems. They accommodate larger stem diameters, expanding the bore capacity up to 6-1/2". All ductile iron castings coated with Tnemec N140-1211 epoxy (complies with NSF 61). See reverse side for drawing.



Stem Guides are generally recommended at 6' to 8' intervals.

SPLIT BUSHINGS simplifly the installation of larger diameter extension stems

Ductile Iron

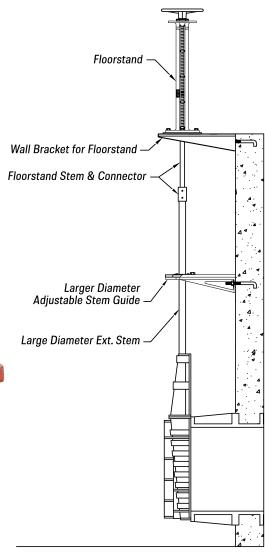
367-2454	4" to 18" *	4" to 6-1/2"	38.65 lbs.
Item №	Adjustment Range	For Stem Diameters	Weight

316 Stainless Steel

Item №	Adjustment Range	e Diameters	Weight
367-246	3 4" to 18" *	2" to 4"	38.50 lbs.
367-246	4" to 18" *	4" to 6-1/2	" 41.50 lbs.

For Stom

Stem Guides with 2-3/4" to 17-1/4" adjustment range and removable end cap design are shown on pages G-21 and G-22.



Typical installation

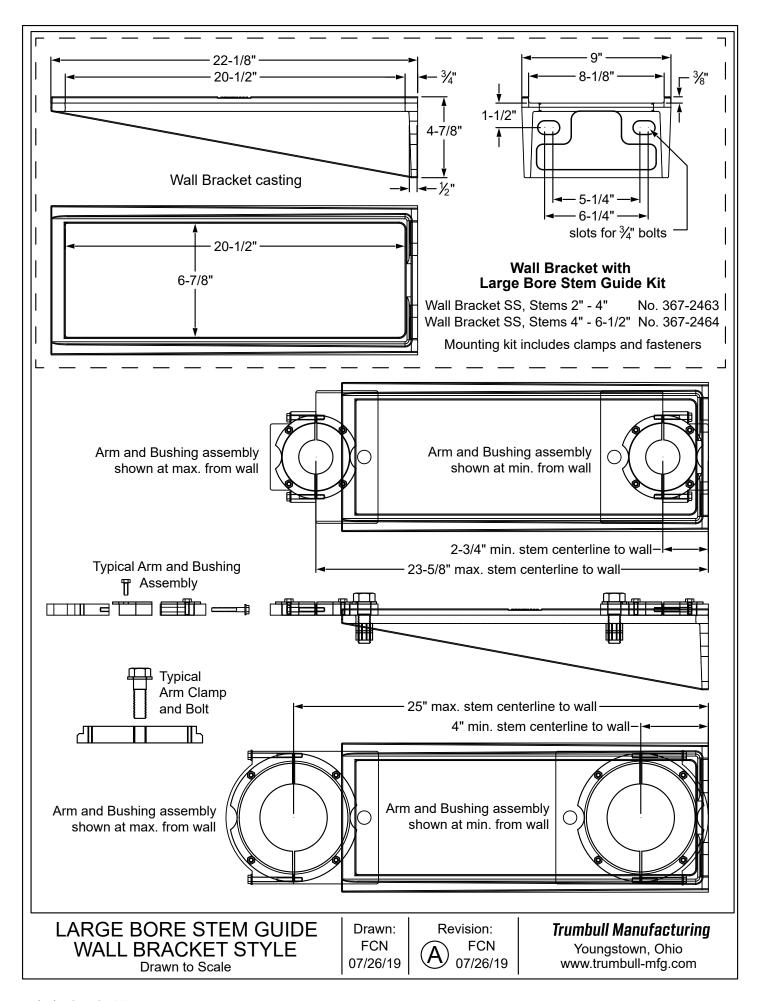
- 1. Quantity required
- 2. Trumbull item number
- 3. O.D. of stem being used. or desired bushing material & hole size

If size is not specified, the following bore diameter bushings are supplied:

2-1/8" for item 367-2463

4-1/8" for items 367-2454 and 367-2464

^{*} Adjustment range dependent on stem diameter





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

-www.trumbull-mfg.com

Wall Brackets

Designed to Accommodate a Variety of Different Applications

Trumbull Wall Brackets are used in conjunction with several of our other products such as Miter Gears, Valve Position Indicators, Pedestals, Floorstands and others. Cast from either ductile iron or 316 stainless steel. All ductile iron castings are coated with Tnemec N140-1211 epoxy (complies with NSF 61). Sold as kits with parts and hardware included to accommodate several other products, as shown below. Custom fabricated wall brackets also available upon request.



Kit includes Wall Bracket, Miter Gear MG1A, (2) clamps and hardware. Miter Gears shown on pages G-9 – G-10. Concrete anchors not included.

Item №	Material	(stem to wall)	Weight
367-2452	Ductile Iron	4-1/2" to 17-1/2"	[varies]
367-2462	316 Stainless	4-1/2" to 17-1/2"	[varies]

Adiustment Range

VALVE POSITION INDICATOR APPLICATIONS

APPLICATIONS

US PATENT NO. 9,347,583 (See page F-9 for detailed illustration)

Kit includes Wall Bracket, Position Indicator Housing, (2) clamps and hardware.

The Position Indicator is sold separately, shown on pages F-9 – F-10. Concrete anchors not included.

Adjustment Range

Item № Material (stem to wall) Weig

Item №	Material	(stem to wall)	Weight
367-2450	Ductile Iron	3-1/2" to 18"	[varies]
367-2460	316 Stainless	3-1/2" to 18"	[varies]
307-2400	310 Stairliess	3-1/2 10 10	[Vē

Kit includes Wal
The Floorst
Conci

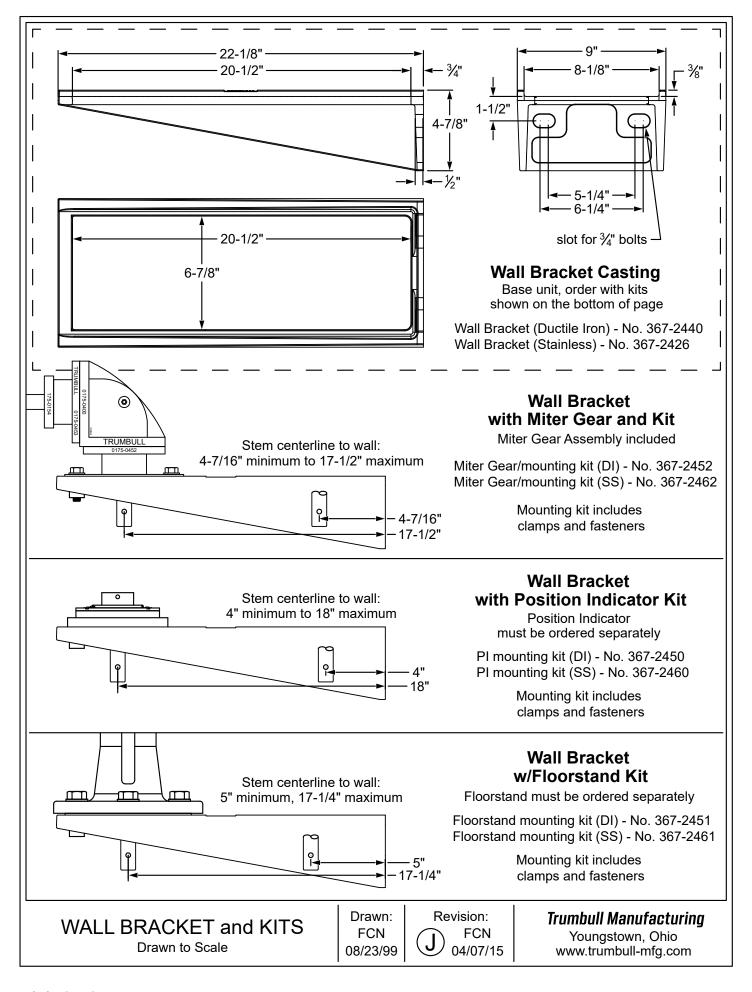
Kit includes Wall Bracket, Mounting Plate, (2) clamps and hardware.

The Floorstands and Pedestals are sold separately, shown on pages G-44 – G-52.

Concrete anchors not included.

Item №	Material	Adjustment Range (stem to wall)	Weight
367-2451	Ductile Iron	4-7/8" to 17-1/8"	[varies]
367-2461	316 Stainless	4-7/8" to 17-1/8"	[varies]

Wall Brackets are also used as a Larger Diameter Stem Guides, as shown on pages G-23 and G-24.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Cast Iron Mud Valves

Certified to NSF-61 and NSF-372 in USA and Canada

Trumbull Mud Valves are designed primarily for use in settling tanks of water and wastewater treatment plants. Their intended use is to drain tanks for maintenance or cleaning. They are for low pressure applications only; consult Trumbull for special requirements.

Mud Valves are furnished with a 2" square operating nut; however, they can be supplied with optional extension stem or handwheel (see page G-5).

This valve series uses bronze seats in the body and gate (also available with resilient seat). The cast iron body assembly features manganese bronze stems and guides for use in submerged installations. The fasteners are furnished in stainless steel to prevent corrosion from years of submerged service.

Nuts, bolts and gaskets for mounting to floor pipe are NOT furnished but can be ordered separately. Ductile iron components are coated with Tnemec N140-1211 epoxy, per NSF 61.

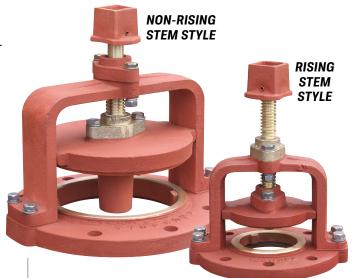
See pages G-28 and G-29 for drawings.

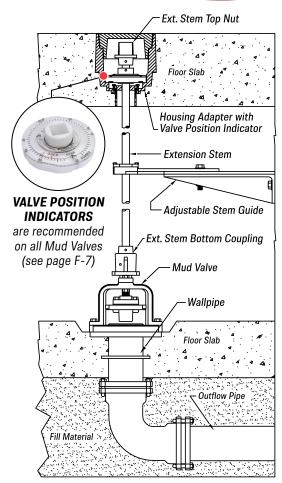


The flange drilling is according to ANSI 125# STD. on all sizes; however, one hole under each leg of the yoke is not available for fastening to the mating flange.

	Non-Ris	sing Stem	Rising Stem			
Size	Item №	Weight	Item №	Weight		
3″	367-1414	26.00 lbs.	367-1421	25.00 lbs.		
4"	367-1415	31.00 lbs.	367-1420	30.00 lbs.		
6″	367-1416	47.00 lbs.	367-1423	46.00 lbs.		
8″	367-1418	76.00 lbs.	367-1425	73.00 lbs.		
10"	367-1428	95.00 lbs.	367-1494	90.00 lbs.		
12"	367-1430	130.00 lbs.	367-1495	130.00 lbs.		
14"	367-1431	142.00 lbs.				
16"	367-1432	169.00 lbs.		-		
18"	367-1433	256.00 lbs.	Consult Trumbull for availability.			
20"	367-1434	281.00 lbs.				
24"	367-1435	450.00 lbs.				

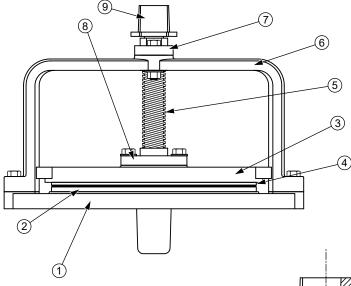
See page G-34 for installation options.





Typical Mud Valve Installation

	_										
Valve Size (Bore Dia.)	3	4	6	8	10	12	14	16	18	20	24
A - Overall height	9-7/8	9-1/2	11-1/4	11-3/4	12-13/16	13	15	16-3/4	18-3/4	19-3/4	23-1/2
B - Width at Yoke	10	10	12-3/8	14-1/2	17	19-3/4	22-3/4	24-5/8	28-1/2	30-5/8	37
C - Valve opening	2-1/4	2	3-1/2	4	4-1/16	5	6-3/4	7-3/4	8-1/2	9-3/4	12-1/4
D - Basin depth in floor, min.	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8	1-3/4	1-3/4	1-7/8	2-1/8	2-1/4	2-5/8
E - Flange Thickness	3/4	13/16	1	7/8	7/8	1	1-1/8	1-1/4	1-3/8	1-9/16	1-7/8
Flange O.D.	7-1/2	9	11	13-1/2	16	19	21	23-1/2	25	27-1/2	32
Bolt Circle	6.0	7.5	9.5	11.75	14.25	17.0	18.75	21.25	22.75	25.0	29.5
Bolt Hole Dia.	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4	1-1/4	1-3/8
Bolt Dia.	5/8	5/8	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4
Bolts in full Pattern* (except 3")	4	8*	8*	8*	12*	12*	12*	16*	16*	20*	20*
Stem Diameter	1	1	1-1/8	1-1/4	1-3/8	1-1/2	1-1/2	1-1/2	1-3/4	1-3/4	1-3/4
Turns to Open	10-1/2	11	17	20	21	25-1/2	34	40	43	49	63
Weight, pounds	26.3	27	47	73	110	130	139	167	243	280	453



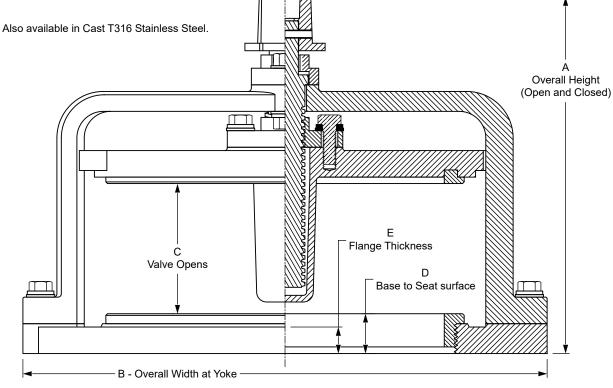
Item	Part	Materials
1	Base Flange (Body)	Gray Iron, ASTM A126 (B)
2	Seat, Base Flange	Bronze, ASTM B62; B584
3	Gate	Ductile Iron, ASTM A536 (65-45-12)
4	Seat, Gate	Bronze, ASTM B62; B584
5	Stem	Bronze, ASTM B584
6	Yoke	Ductile Iron, ASTM A536 (65-45-12)
7	Guide, unthreaded	Ductile Iron, ASTM A536 (65-45-12)
8	Guide, threaded	Bronze, ASTM B584
9	Operating Nut, 2" sq.	Gray Iron, ASTM A126 (B)
	All Fasteners a	re Stainless Steel

Standard 125 pound drilling template.

* Two of the bolts in the bolt pattern are under the yoke feet and not used (except for 3").

All cast iron surfaces, except machined surfaces, to be finished with NSF61 (TNEMEC 140-1211) coating.

Flange mounting gasket and fasteners are not included, and must be ordered separately.



Drawn:

FCN

10/16/17

Revision:

FCN

02/13/20

09/01/20 Page Revision
© 2024 Trumbull Manufacturing

CAST IRON MUD VALVES

NON-RISING STEM TYPE

Drawn to Scale

Trumbull Manufacturing

Youngstown, Ohio

www.trumbull-mfg.com

Valve Size (Bore Dia.)	3	4	6	8	10	12	14	16**	18**	20**	24**
A - Overall height, closed	9-3/4	9-3/4	11	11-3/4	12-3/4	13	14-1/2	16-3/4	18-3/4	19-3/4	23-1/2
A - Overall height, open	12	11-7/8	14-3/8	15/3/4	16-3/4	18	21-1/2	24-3/4	27-3/4	29-3/4	35-1/2
B - Width at Yoke	10	10	12-3/8	14-1/2	17	19-3/4	22-3/4	24-5/8	28-1/2	30-5/8	37
C - Valve opening	2-1/4	2-1/8	3-3/8	4	4	5	7	8	9	10	12
D - Basin depth in floor, min.	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8	1-3/4	1-3/4	1-7/8	2-1/8	2-1/4	2-5/8
E - Flange Thickness	3/4	13/16	1	7/8	7/8	1	1-1/8	1-1/4	1-3/8	1-9/16	1-7/8
Flange O.D.	7-1/2	9	11	13-1/2	16	19	21	23-1/2	25	27-1/2	32
Bolt Circle	6.0	7.5	9.5	11.75	14.25	17.0	18.75	21.25	22.75	25.0	29.5
Bolt Hole Dia.	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4	1-1/4	1-3/8
Bolt Dia.	5/8	5/8	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4
Bolts in full Pattern* (except 3")	4	8*	8*	8*	12*	12*	12*	16*	16*	20*	20*
Stem Diameter	1	1	1-1/8	1-1/4	1-3/8	1-1/2	1-1/2	1-1/2	1-3/4	1-3/4	1-3/4
Turns to Open	10-1/2	11	17	20-1/2	20	25	35	40	45	50	60
Weight, pounds	26.3	30	46	73	110	130	140	165	240	280	450

Standard 125 pound drilling template.

* Two of the bolts in the bolt pattern are under the yoke feet and not used.

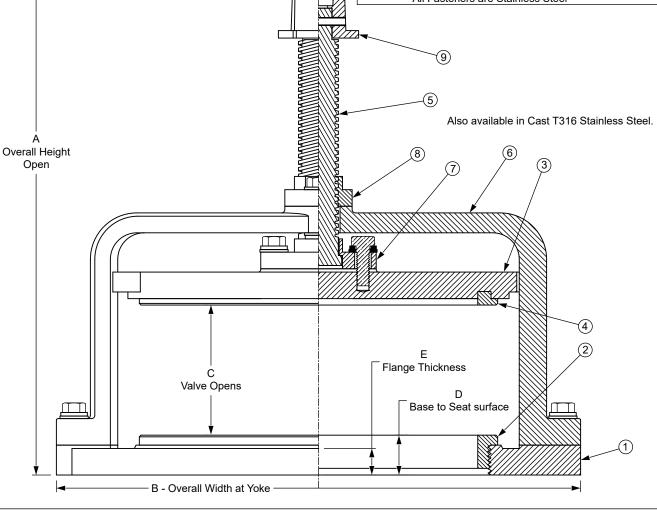
All cast iron surfaces, except machined surfaces, to be finished with NSF61 (TNEMEC 140-1211) coating.

Flange mounting gasket and fasteners are not included, and must be ordered separately.

** Consult Trumbull on the availability of 16" and larger sizes in the Rising Stem configuration.

Item Part Materials Gray Iron, ASTM A126 (B) 1 Base Flange (Body) 2 Bronze, ASTM B62; B584 Seat, Base Flange 3 Gate Ductile Iron, ASTM A536 (65-45-12) Bronze, ASTM B62; B584 4 Seat, Gate 5 Stem Bronze, ASTM B584 Ductile Iron, ASTM A536 (65-45-12) 6 Yoke Guide, unthreaded Ductile Iron, ASTM A536 (65-45-12) Guide, threaded Bronze, ASTM B584 Operating Nut, 2" sq. Gray Iron, ASTM A126 (B)

All Fasteners are Stainless Steel



CAST IRON MUD VALVES RISING STEM TYPE Drawn to Scale

Drawn: FCN 10/16/17 Revision:

B FCN
02/13/20



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@ixtcompany.com

-www.trumbull-mfg.com

Why Choose 316 Stainless Steel Mud Valves?

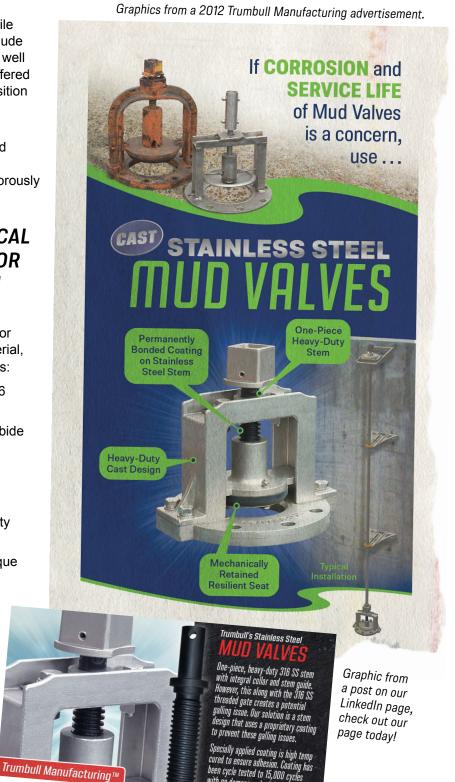
Trumbull Mud Valves are manufactured in ductile iron and cast stainless steel. Stem designs include Non-Rising Stem (NRS), Rising Stem (RS), as well as sliding stem. A full line of accessories are offered to operate our Mud Valves, including Valve Position Indicators, Extension Stems, Stem Guides, Floorstands and Floor Boxes.

We stand behind our products with experienced Engineering and Field Service personnel, Our products are designed for long life, and are rigorously tested in-house and at independent labs.

EXTEND USEFUL LIFE OF CRITICAL **VALVES AND COMPONENTS FOR** AN AFFORDABLE PREMIUM!

Premium stainless Mud Valves use only cast stainless components. In addition to the superior corrosion resistance of the stainless steel material, our stainless Mud Valves include these features:

- Heavy-duty CAST stainless steel, type 316
 - 1. No welded components
 - 2. Cast design eliminates problem of carbide precipitation from welding
 - 3. Stainless castings passivated per **ASTM A-967**
- Resilient seats are field-replaceable and mechanically retained; available in a variety of elastomers
- One-piece heavy-duty stem, 3rd party torque tested to over 500 ft-lb
- Permanently bonded coating on stainless stem prevents galling, 3rd party tested to over 15,000 cycles
- Rising stem, non-rising stem and sliding stem styles
- "All stainless" installation available with stainless Extension Stem, Stem Guide and Floorstand



neen cycle tested to 15,000 cycles with no damage and minimal wear



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Cast 316 Stainless Steel Mud Valves

Heavy-Duty Design - Certified to NSF-61 and NSF-372 in USA and Canada

Trumbull Mud Valves are designed primarily for use in settling tanks of water and wastewater treatment plants. Their intended use is to drain tanks for maintenance or cleaning. They are for low pressure applications only; consult Trumbull for special requirements.

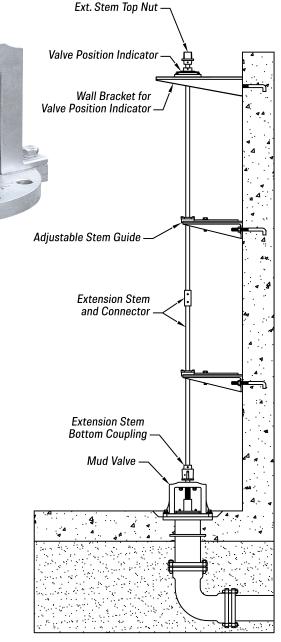
For applications requiring more corrosion protection than cast iron, the voke, flange, guides and gate of these Mud Valves are cast from Type 316 stainless steel. The one-piece, Type 316 stem has a permanently bonded coating to protect against galling for a lifetime of maintenance-free operation.

Cast components eliminate corrosion problems frequently caused when stainless steel is welded. Castings are passivated after machining, per ASTM A-967. Heavy-duty design incorporates generous wall thicknesses and stem diameters for maximum strength and corrosion protection. Seat is SBR rubber for positive shutoff. Mechanically retained seat is field-replaceable. Fasteners are Type 316 stainless. See pages G-32 and G-33 for drawings.

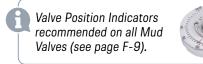
Nuts, bolts and gaskets for mounting to floor pipe are NOT furnished but can be ordered separately.

	Non-Risi	ng Stem**	Rising	Stem**
	Domestic	Non- Domestic	Domestic	Non- Domestic
Size	Item №	Item №	Item №	Item №
3"	1367-1349	367-1453	1367-1369*	367-1469
4"	1367-1350	367-1454	1367-1370*	367-1470
6"	1367-1351	367-1455	1367-1371*	367-1472
8"	1367-1352	367-1456	1367-1372*	367-1474
10"	1367-1353	367-1457	1367-1373*	367-1480
12"	1367-1354	367-1458	1367-1374*	367-1481
14"	1367-1355	367-1459		
16"	1367-1356	367-1460		
18"	1367-1357	367-1461	*	*
20"	1367-1358	367-1462		
24"	1367-1359	367-1463		

^{*} Consult Trumbull for availability.

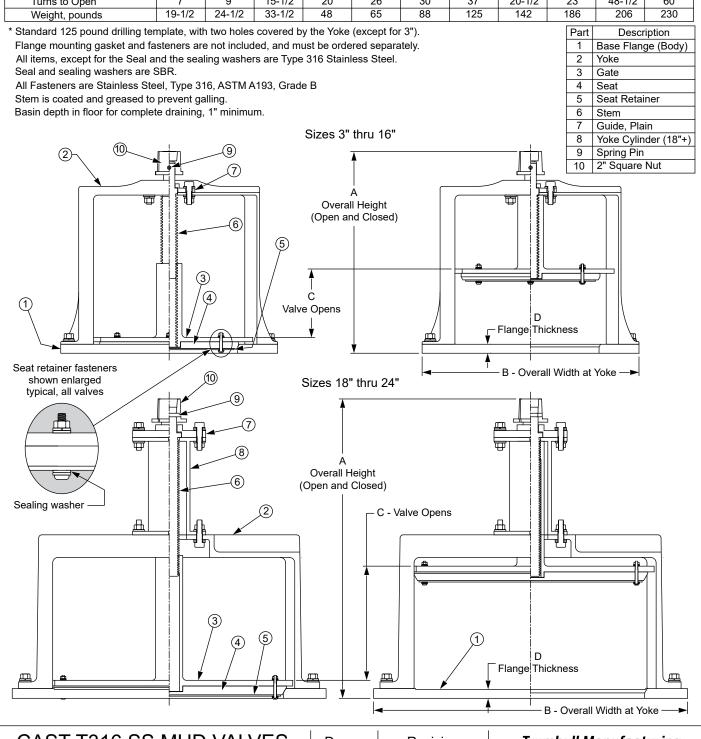


Typical Mud Valve Installation See page G-34 for installation options.



^{**} For product weights, see drawings on Pages G-32 & G-33.

Valve Size (Bore Dia.)	3	4	6	8	10	12	14	16	18	20	24
\ - Overall height	9	8	10-1/2	12-1/2	14-1/2	17	23	21-1/4	23	25-3/4	34-5/8
- Width at Yoke	8	10-1/4	12-5/8	15-1/8	17-3/8	19	25-3/4	25-3/4	27-3/4	27-1/2	32
: - Valve opening	1-1/2	1-3/4	2-3/4	3-1/2	4-3/4	6	7-3/8	7-1/2	8-1/4	9-1/4	12
- Flange thickness	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Flange O.D.	7-1/2	9	11	13-1/2	16	19	21.0	23-1/2	25	27-1/2	32
Bolt Circle Diameter	6.00	7.50	9.50	11.75	14.25	17.00	18.75	21.25	22.75	25.00	29.5
Bolt Hole Dia.	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4	1-1/4	1-3/8
Bolt / Stud Size	5/8	5/8	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4
Bolts in full Pattern*	4	8	8	8	12	12	12	16	16	20	20
Stem Diameter	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-3/4	1-3/4	1-3/4
Turns to Open	7	9	15-1/2	20	26	30	37	20-1/2	23	48-1/2	60
Weight, pounds	19-1/2	24-1/2	33-1/2	48	65	88	125	142	186	206	230



CAST T316 SS MUD VALVES NON-RISING STEM TYPE Drawn to Scale

Drawn: FCN 07/24/07 Revision: FCN 02/07/20

Valve Size (Bore Dia.)	3	4	6	8	10	12	14	16	18	20	24
A - Overall height, closed	9	8-3/4	10-1/2	12-1/2	14	17	23	23	18	18	23
A - Overall height, open	10-1/2	11-1/2	16	19-1/4	22-3/4	28-1/2	39	39	27	28	35
B - Width at Yoke	8	10-1/4	12-5/8	15-1/8	17-3/8	19	25-3/4	25-3/4	27-3/4	27-1/2	32
C - Valve opening	1-1/2	2-1/4	5	7	8-1/4	11-1/2	16	16	9	10	12
D - Flange thickness	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Flange O.D.	7-1/2	9	11	13-1/2	16	19	21.0	23-1/2	25	27-1/2	32
Bolt Circle Diameter	6.00	7.50	9.50	11.75	14.25	17.00	18.75	21.25	22.75	25.00	29.5
Bolt Hole Dia.	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4	1-1/4	1-3/8
Bolt / Stud Size	5/8	5/8	3/4	3/4	7/8	7/8	1	1	1-1/8	1-1/8	1-1/4
Bolts in full Pattern*	4	8	8	8	12	12	12	16	16	20	20
Stem Diameter	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-3/4	1-3/4	1-3/4
Turns to Open	7	13-1/2	26-1/2	30-1/2	36-1/2	50-1/2	80	80	45	50	60
Weight, pounds	19-1/2	25	34	48	59	78	142	142	155	164	218

Part Description Standard 125 pound drilling template, with two holes covered by the Yoke. Base Flange (Body) Flange mounting gasket and fasteners are not included, and must be ordered separately. 2 Yoke All items, except for the Seal and the sealing washers are Type 316 Stainless Steel. 3 Seal and sealing washers are SBR. Gate All Fasteners are Stainless Steel, Type 316, ASTM A193, Grade B 4 Seat Stem is coated and greased to prevent galling. 5 Seat Retainer Basin depth in floor for complete draining, 1" minimum. Stem Consult Trumbull on the availability of 16" and larger sizes Guide, Unthreaded in the Rising Stem configuration. 8 Guide, Threaded 2" Square Nut Coil Type Spring Pin Seat retainer fasteners shown enlarged typical, all valves **OPEN CLOSED** Sealing washer Overall Height Closed **(4**) Valve Opens - D - Flange Thickness B - Overall Width at Yoke

CAST T316SS MUD VALVES RISING STEM TYPE Drawn to Scale

Drawn: FCN 10/16/17 Revision:

NJC
03/19/20



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

Optional Mud Valve Installations

Standard options shown on right

Mud Valve: Cast iron or cast 316 stainless steel Stem Guide: Ductile iron or cast 316 stainless steel Floorstand: Ductile iron (30" or 36") or cast 316 SS (36")

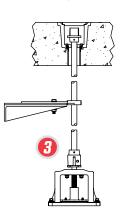
Pedestal: Ductile iron or cast 316 SS
Extension Stem: Carbon steel or stainless steel
Wall Bracket: Ductile iron or cast 316 stainless steel
Floor Box: Sealed or unsealed, cast iron or cast SS



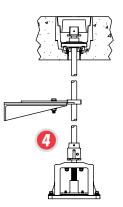
Stem Guide with Handwheel or 2" square nut



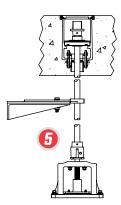
Wall Bracket with Position Indicator



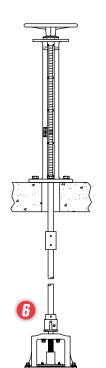
Floor Box w/out Position Indicator



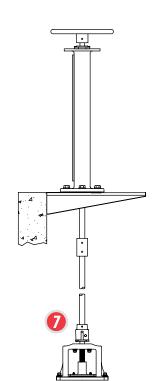
Floor Box with Position Indicator



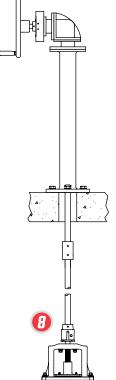
Cast Sealed Floor Box with Position Indicator



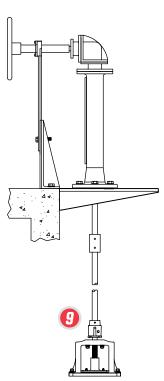
Indicating Floorstand



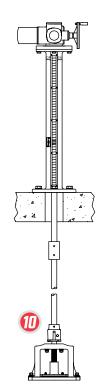
Indicating Floorstand with Wall Bracket*



Pedestal with Miter Gear, Crank Handwheel & Position Indicator (57T or 275T only)



Indicating Floorstand with Wall Bracket, Miter Gear & Horizontal Extension Stem*



Indicating Floorstand with Actuator

^{*} Indicating slot faces operator and is not visible in installations 7 and 9.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

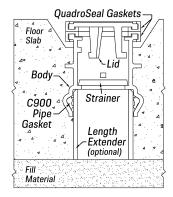
Email sales@jxtcompany.com

-www.trumbull-mfg.com

Floor-Type Hydrostatic Tank Pressure Relief Valves

QuadroSealTM Gasket Design – Available in Ductile Iron and Type 316 Stainless Steel

Trumbull Floor-Type Tank
Pressure Relief Valves are
cast in the bottom of tanks
in treatment plants to keep
empty tanks from floating from
an excess of groundwater
beneath them. When this
condition occurs, the hydrostatic
pressure will open the cover
of the valve allowing water to
enter, thereby equalizing
pressure inside and outside



the tank and preventing it from floating. They will start to open at less than one foot of head. Lugs in the body prevent the cover or strainer from becoming separated from the body of the valve due to flow. Both can be removed when necessary, however, by turning to the right or left.

Both Floor-Type and Wall-Type Valves use two Neoprene seating surfaces so if particles of grit lodge on them, the head of liquid in the tank will force the valve closed. These valves are for low seating or unseating pressure applications only. Design uses C900 pipe gaskets in bell to securely retain PVC pipe to valve.

Floor-Type Pressure Relief Valves*

	Ductil	e Iron**	316 Stainless Steel		
	Domestic	Non- Domestic	Domestic	Non- Domestic	
Size	Item №	Item №	Item №	Item №	
4"	1367-1558	367-1558	1367-1540	367-1540	
6"	1367-1559	367-1559	1367-1544	367-1544	

- * For product weights, see drawing on Page G-36.
- ** Furnished with NSF-61, 2 part epoxy coating.



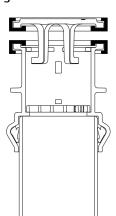
Floor-Type valves are cast in 4" and 6" sizes, in overall lengths of approx. 7-3/4". The lengths can be extended by inserting C900 PVC pipe into the underside of the valve. The PVC extensions can be furnished and inserted by Trumbull, to customer's exact length requirements, or in the field with customer supplied PVC pipe.



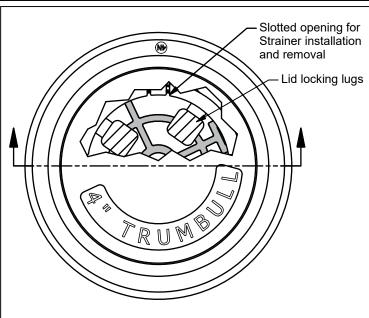
QUADROSEAL gaskets

Unique square design of QuadroSealTM Gasket surrounds casting on four sides to prevent separation.

QuadroSealTM design also prevents metal-to-metal contact that can cause seating surfaces of iron valves to corrode into a "frozen shut" position.
See page G-39 for more information.



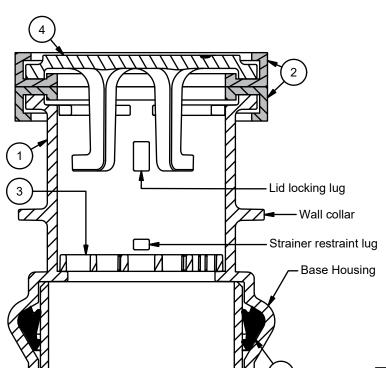
Wall-Type Pressure Relief Valves are shown on pages G-37 and G-38.

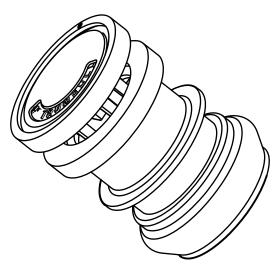


ITEM	DESCRIPTION	MATERIAL
1	Valve Body	Stainless Steel (T316) or Ductile Iron (65-45-12)
2	QuadroSeal Seat	Neoprene (40 durometer)
3	Strainer	Stainless Steel (T316) or Ductile Iron (65-45-12)
4	Lid	Stainless Steel (T316) or Ductile Iron (65-45-12)
5	Rieber Gasket	SBR
6	Length Extender	C900 PVC Pipe

Note:

Ductile Iron components are coated with Tnemec N140-1211 epoxy (complies with NSF 61).





Size	Material	Part Number	Weight
4"	DI	367-1556	13.2 lb
4"	SS	367-1540	14.5 lb
6"	DI	367-1578	23.1 lb
6"	SS	367-1544	22.3 lb

Valve size	4	6
Overall height - closed	7-5/8"	7-59/64"
Lid lift distance	1"	1"
Seat O.D.	6"	8"
Base Housing O.D.	6-11/32"	8-5/8"
Fits C900 pipe size	4"	6"
Wall collar O.D.	5-27/32"	8-1/8"
Body seat face to Collar CL	3"	2-7/8"
Strainer flow area	7.3 sq. in	18.9 sq. in

TANK PRESSURE RELIEF VALVE FLOOR TYPE Drawn to Scale Drawn: BJE 01/07/13

Original document



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

Wall-Type Hydrostatic Tank Pressure Relief Valves QuadroSealTM Gasket Design - Available in Ductile Iron and Type 316 Stainless Steel

Trumbull Wall-Type Tank Pressure Relief Valves are designed for installation in side walls of tanks of treatment plants. They are intended for low unseating pressure applications and will start to open at less than one foot of head to relieve groundwater pressure from the exterior of tank wall. For low seating applications, contact Trumbull.

Trumbull Relief Valves use two Neoprene seating surfaces so if particles of grit lodge on them, the head of liquid in the tank will force the valve closed.

The valve has a flanged body for use with a wall pipe. The flange drilling is according to ANSI 125# STD on both sizes. The Wall-Type valve uses a removable stainless steel hinge pin and two stainless cotter pins.

Wall-Type Pressure Relief Valves*

	Ductil	e Iron**	316 Stainless Steel		
	Domestic	Non- Domestic	Domestic	Non- Domestic	
Size	Item №	Item №	Item №	Item №	
4"	1367-1572	367-1572	1367-1560	367-1560	
6"	1367-1573	367-1573	1367-1564	367-1564	

- * For product weights, see drawing on Page G-38.
- ** Furnished with NSF-61, 2 part epoxy coating.

Wallpipes

Wallpipes are 18" long (overall) with a collar 6" from the face of the flange; they can be furnished cut-to-length to meet your requirements. The flange is tapped for studs to allow the flange on the Wallpipe to be set flush with the wall. No flange accessories will be furnished unless ordered separately. Wallpipe & Wall PRV sold separately. In order for the Wall-Type Valve to operate properly, it must be installed so that the bolt holes straddle the centerline.

	Ductile Iron				
Size	Item №	Weight			
4"	367-1000	33.50 lbs.			
6"	367-1002	68.50 lbs.			

316 Stainless Steel

When stainless valves are used, Wallpipes are furnished in ductile iron or fabricated from stainless pipe.

Floor-Type Pressure Relief Valves are shown on pages G-35 & G-36.





Unique square design of QuadroSealTM Gasket surrounds casting on 4 sides to prevent separation.

QuadroSealTM design also prevents metal-to-metal contact that can cause seating surfaces of iron valves to corrode into a "frozen shut" position. See page G-39 for more information.



Easy access to strainer helps prevent blockage of flow that could lead to structural tank damage. Wallpipes are frequently provided by ductile pipe suppliers and don't have strainers. The accumulation of debris on seating surfaces can lead to leakage from the tank. To prevent that condition . . . specify a valve with an internal strainer.



Strainer in Trumbull valve is easily accessed for maintenance



Strainer installation of other designs

Pressure Relief Valve, Wall Type

Flange drilling per ANSI 125#

Size	Flange	Bolt Circle	Bolt Hole	Seat O.D.	Bore
4"	9" x 7/16"	7-1/2"	3/4"	6"	4"
6"	11" x 1/2"	9-1/2"	7/8"	8"	6"

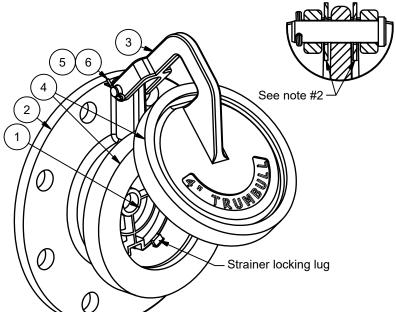
Clevis Pin Detail

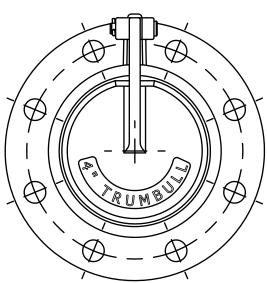
Item	Description	Material
1	Strainer	Stainless Steel (T316) or Ductile Iron (65-45-12)
2	Body	Stainless Steel (T316) or Ductile Iron (65-45-12)
3	Lid Flap	Stainless Steel (T316) or Ductile Iron (65-45-12)
4	QuadroSeal Seat	Neoprene (40 durometer)
5	Clevis Pin	Stainless Steel
6	Cotter Pin	Stainless Steel

Size	Material	Part Number	Weight
4"	DI	367-1550	14.25 lb
4"	SS	367-1560	14.65 lb
6"	DI	367-1570	21.45 lb
6"	SS	367-1564	22.05 lb

Note:

- 1.) Ductile Iron components are coated with Tnemec N140-1211 epoxy (complies with NSF 61).
- 2.) Ductile Iron valves have Isolating washers made of UHMWPE installed on the Clevis pin between the lid and body, preventing metal to metal contact.

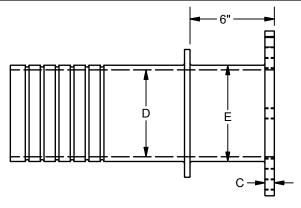


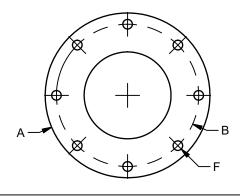


Size	Trumbull #	Α	В	С	D	Е	F	Weight
4"	367-1000	9"	7-1/2"	5/8"	4-3/16"	4.8"	5/8"-11 UNC	32 lbs
6"	367-1002	11"	9-1/2"	5/8"	6-5/16"	6-29/32"	3/4"-10 UNC	49 lbs

Wall Pipe

Flange drilling per ANSI 125# Material: Ductile Iron (65-45-12) Coating: Tnemec N140-1211 epoxy





TANK PRESSURE RELIEF VALVE
WALL TYPE
Drawn to Scale

Drawn: BJE 01/07/13 Revision:
BJE
05/13/19



3850 Hendricks Road, Youngstown, Ohio 44515

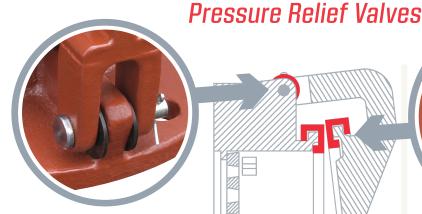
Customer Service 828-477-4601

Sales 828-735-1978

Email sales@ixtcompany.com

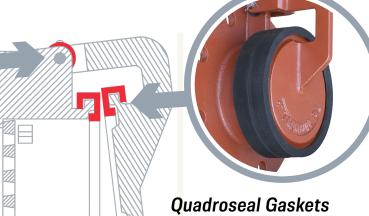
-www.trumbull-mfg.com

NO METAL-TO-METAL CONTACT



UHMWPE Isolating Washers

prevent metal-to-metal contact between lid and valve body on our ductile iron wall-type valves.

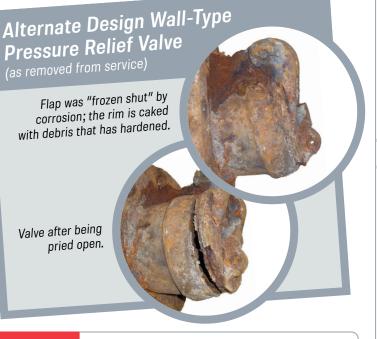


Unique square design of Trumbull QuadroSeal Gasket surrounds casting on four sides to prevent separation.

QuadroSeal design also prevents metal-to-metal contact that can cause seating surfaces of iron valves to corrode into a "frozen shut" position.

Trumbull Manufacturing™

Wall-Type Pressure Relief Valve



RESULT:

Inoperable valves cannot relieve groundwater pressure, leading to structural damage to tanks.

METAL-TO-METAL CONTACT



RESULT:

Metal-to-metal contact is not possible between Trumbull seating surfaces!

It's because of our





3850 Hendricks Road, Youngstown, Ohio 44515

Phone: 330.270.7888 | 877.504.1507

Toll Free:

Fax: 330.392.0756

-www.trumbull-mfg.com

THE STRAINER

In Trumbull Hydrostatic Tank PRVs



I AM A STRAINER, THE TYPE USED IN WALL-TYPE AND FLOOR-TYPE TANK PRESSURE RELIEF VALVES. YOU MAY NOT THINK ABOUT ME VERY MUCH, BUT I AM ACTUALLY IMPORTANT.

> MY JOB IS TO KEEP ROCK OR GRAVEL FROM THE TANK EXTERIOR FROM INTERFERING WITH THE SEATING SURFACE. BUT YOU MUST REMOVE AND CLEAN ME PERIODICALLY. OTHERWISE, THE VALVE CAN GET PLUGGED UP AND THE GROUNDWATER WON'T BE ABLE TO FIND ITS WAY THROUGH THE VALVE INTO THE TANK. IF THAT HAPPENS, THE PRESSURE RELIEF VALVE CAN'T DO ITS JOB BY OPENING. THEN, THE HYDROSTATIC PRESSURE OF THE GROUNDWATER MIGHT DAMAGE THE TANK'S WALL OR CAUSE THE TANK TO FLOAT OUT OF ITS SETTING.

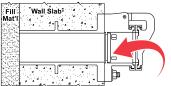
WHEN YOU INSTALL ME IN A WALL-TYPE VALVE, PUT ME IN THE VALVE, NOT IN THE WALL PIPE. IF YOU PUT ME IN THE PIPE, SOMETIMES WORKERS CAN'T GET THEIR ARMS THROUGH THE VALVE AND HALFWAY INTO THE WALL PIPE, THEY HAVE TO OCCASIONALLY REMOVE THE VALVE, JUST TO BE ABLE TO REACH ME!

I WISH THE ENGINEERS THAT DESIGNED EVERY PLANT WOULD USE VALVES THAT ARE EASIER TO MAINTAIN. I LIKE FIELD REPLACEABLE GASKETS THAT SURROUND THE BODY AND COVER, PREVENTING SEPARATION FROM THE VALVE. PLUS, THOSE SOFT RESILIENT GASKETS ALLOW A BETTER SHUTOFF ON SAND, SILT AND FINE GRAVEL, COMPARED TO IRON OR BRONZE SEATS.



Easy access to strainer helps prevent blockage of flow that could lead to structural tank damage. Wallpipes are frequently provided by ductile pipe suppliers and don't have strainers.

The accumulation of debris on seating surfaces can lead to leakage from the tank. To prevent that condition ... specify a valve with an internal strainer!



Strainer in Trumbull valve is easily accessed for maintenance



Strainer installation of other designs



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

Telescoping Valves

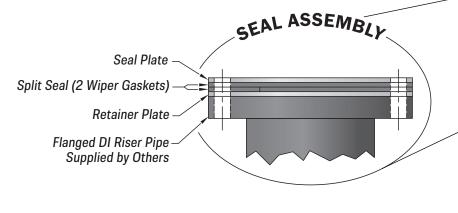
Trumbull Telescoping Valves are designed to regulate the level of fluids in containment structures such as holding chambers, tanks, ponds & lagoons. An example of an application might be to regulate the effluent level in a settling basin. Also known as "Sludge Draw-off Valves" or "Decanting Valves", the valve assembly consists of a lifting mechanism (operator), connecting stem and a slip (drain) tube which travels vertically inside a fixed vertical pipe. Utilizing the operator, the slip tube is raised or lowered to maintain the desired fluid level within the containment structure.

Trumbull offers Telescoping Valves in either Rising or Non-Rising Stem designs. A variety of operators are available such as, handwheel, rack & pinion, bevel gear and electric motor operators. The slip tubes are available in a variety of sizes and materials, the most common materials being 304 stainless steel and Sch 40 PVC. Other materials are available upon application or request. Slip tubes are typically supplied with V-notch, plain end or funnel tops. Scum baffles can also be added to the top of the slip tube, if requested.

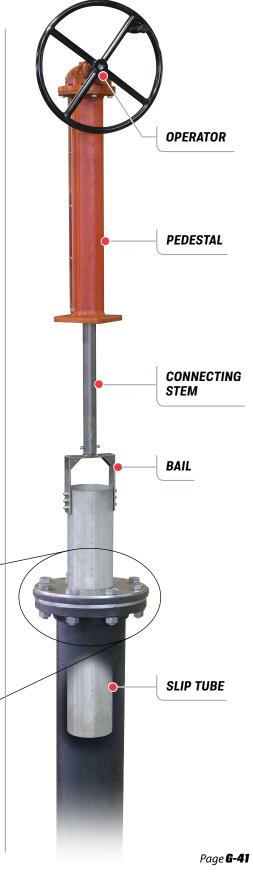
Trumbull's seal assembly consists of a stainless steel retainer plate, a seal plate and two (2) Buna-N wiper gaskets. The assembly is designed so that the wiper gaskets can easily be replaced in the field without disassembling the Telescoping Valve. Additional seal elastomers available upon request.

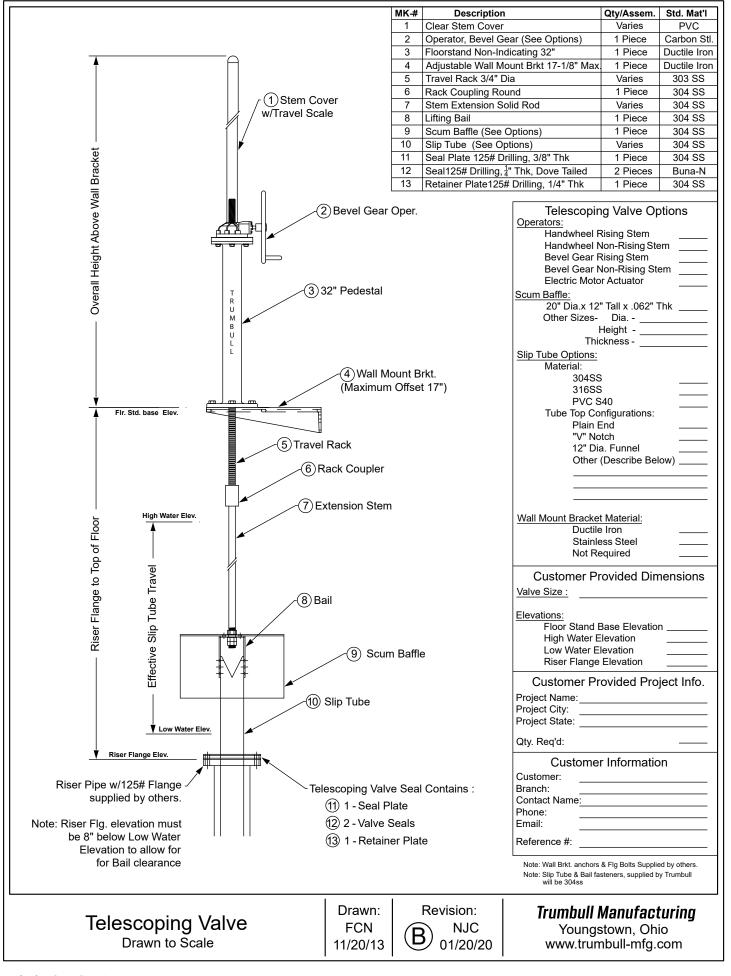
Operator pedestals are available in 26" & 32" cast ductile iron Indicating Style, 32" cast ductile iron Non-Indicating Style and 32" cast stainless steel Indicating Style. Other custom-fabricated styles and materials are available upon request. Offset wall brackets are available in either cast ductile iron or cast 316 stainless steel.

Lifting bails are fabricated from 304 stainless steel material, and are mounted to the slip tubes with stainless steel fasteners. Threaded operating stems and extension stems are made from 304 stainless steel material unless otherwise specified.



The above information requirements are available in drawing form on the following pages.





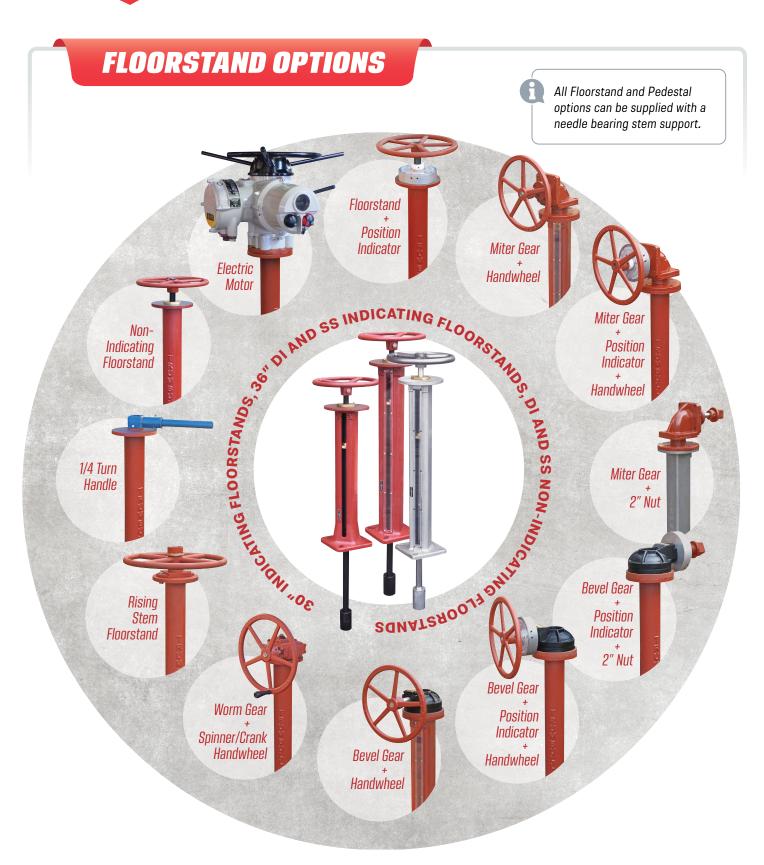


3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales 828-477-4601 828-735-1978

sales@jxtcompany.com

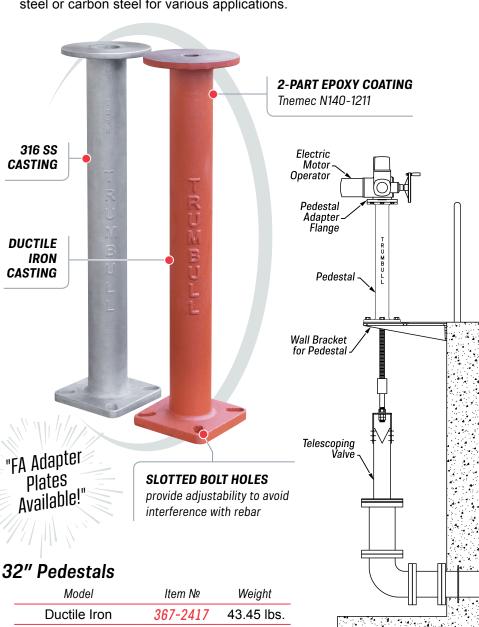
-www.trumbull-mfg.com

32" Pedestals

Ductile Iron and 316 Stainless Steel

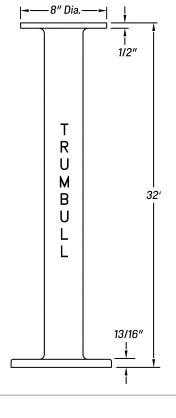
Trumbull 32" Pedestals are designed for installation in treatment plants and pump stations to allow operation of valves at a lower elevation.

Pedestals can be adapted for various custom requirements such as mounting of electric motor operators, manual gear operators, or customer-supplied components. Also available in fabricated stainless steel or carbon steel for various applications.

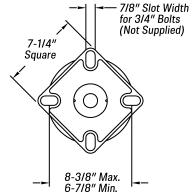


MULTI-PURPOSE.. Many Possibilities!

PEDESTAL DIMENSIONS



PEDESTAL BASE DIMENSIONS



Typical installation

Model	item №	Weight
Ductile Iron	367-2417	43.45 lbs.
316 Stainless Steel	367-2427	42.10 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

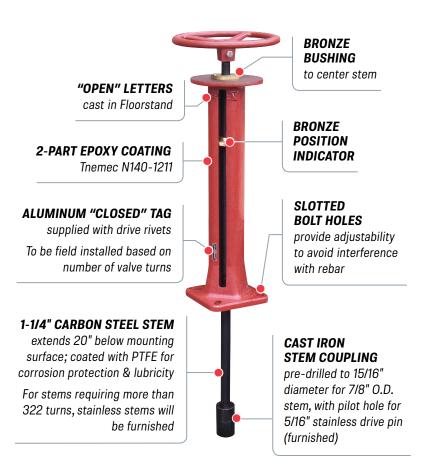
Sales 828-735-1978

Email sales@jxtcompany.com

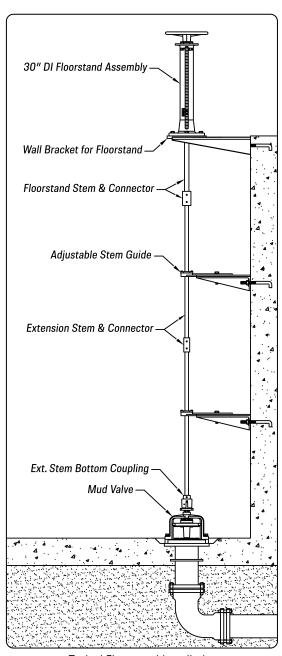
-www.trumbull-mfg.com

30" Ductile Iron Indicating Floorstand

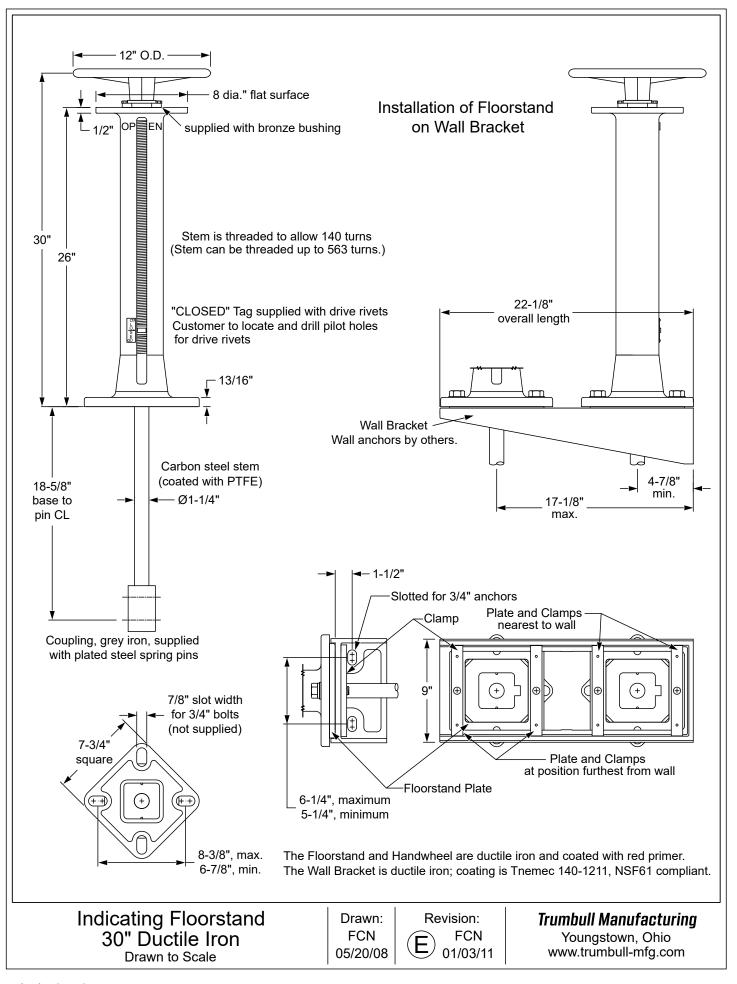
Trumbull 30" Indicating Floorstands are designed for installation in treatment plants and pump stations to allow operation of valves at a lower elevation. Floorstand body is ductile iron for increased torque capacity. Set screw secures handwheel to stem. Flange can be machined to facilitate mounting of actuator, if required (also available with gear operators). Our standard Floorstand is shown below (see page G-34 for custom Floorstand options). Stocked for "open left" valves; also available for "open right" valves. Standard stem threading allows up to 140 turns; optional threading allows up to 563 turns. Stainless drive pin supplied with assembly.



- 7. Quantity required
- 2. Floorstand item number: 367-2420
- 3. O.D. of extension stem being used, for drilling of connecting couplings
- 4. Wall Bracket, if required
 - a. Ductile iron item number: 367-2451
 - b. Stainless steel item number: 367-2461



Typical Floorstand installation





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

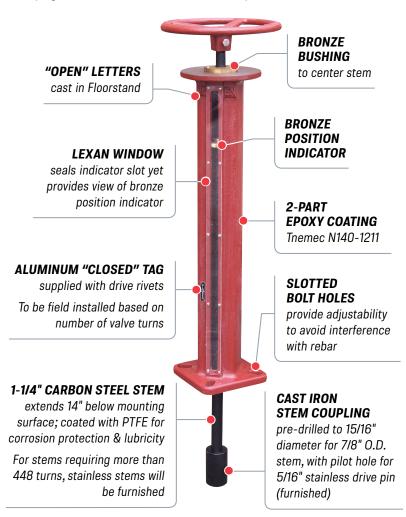
Sales 828-735-1978

Email sales@jxtcompany.com

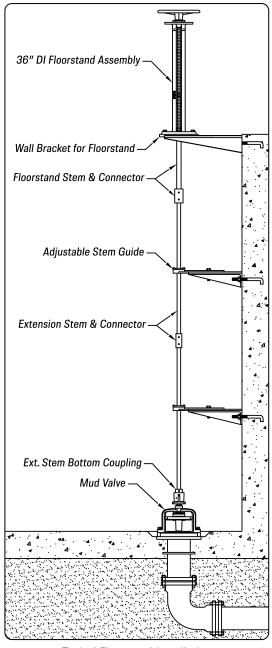
-www.trumbull-mfg.com

36" Ductile Iron Indicating Floorstand Includes a Sealed Indicator Slot

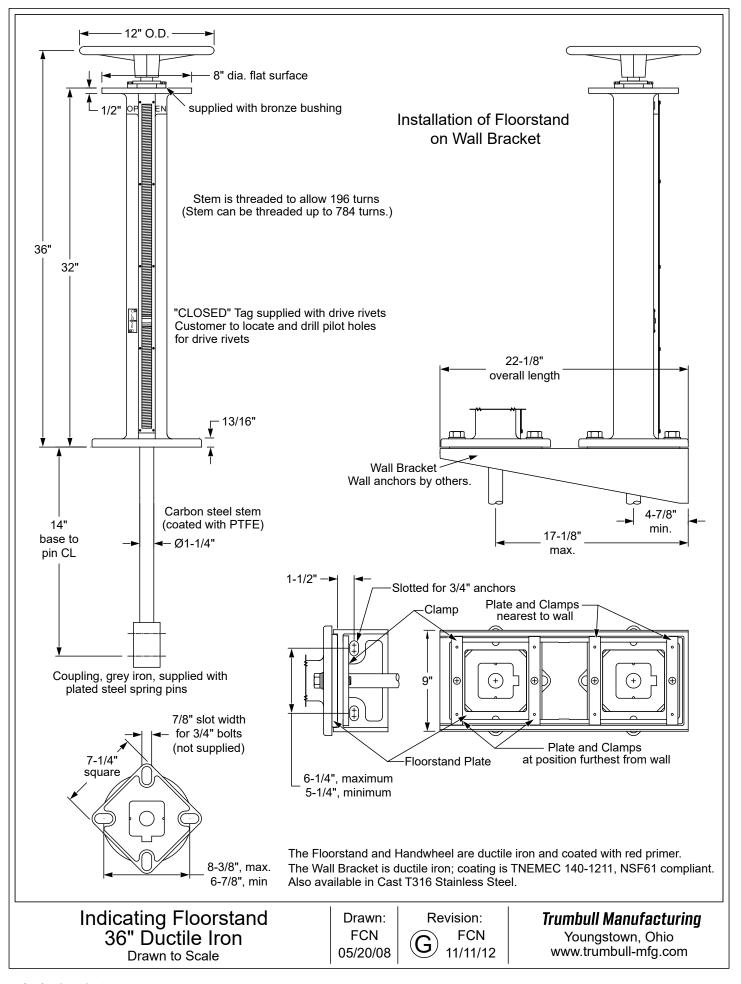
Trumbull 36" Ductile Iron Indicating Floorstands are designed for installation in treatment plants and pump stations to allow operation of valves at a lower elevation. Set screw secures handwheel to stem. Flange can be machined to facilitate mounting of actuator, if required (also available with gear operators). Stocked for "open left" valves; also available for "open right" valves. Standard stem threading allows up to 196 turns; optional threading allows up to 784 turns. Stainless drive pin supplied with assembly. Also available in cast stainless steel (page G-51 & G-52). See page G-34 for custom Floorstand options.



- 7. Quantity required
- 2. Floorstand item number: 367-2421
- 3. O.D. of extension stem being used, for drilling of connecting couplings
- 4. Wall Bracket, if required
 - a. Ductile iron item number: 367-2451
 - b. Stainless steel item number: 367-2461



Typical Floorstand installation





3850 Hendricks Road, Youngstown, Ohio 44515

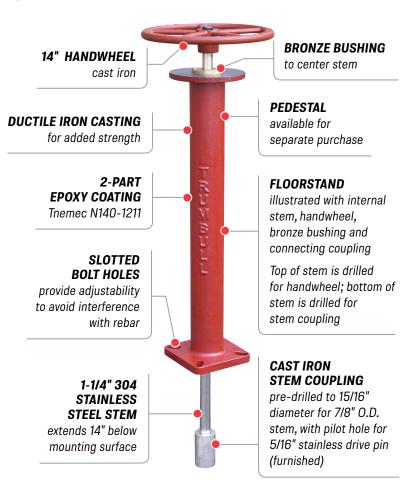
Customer Service 828-477-4601 Sales 828-735-1978

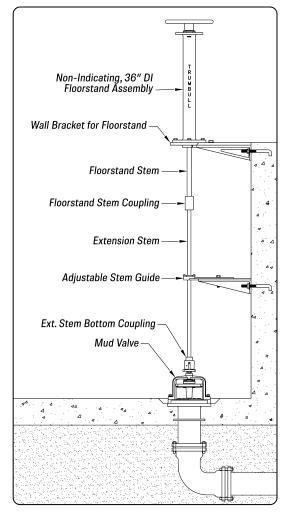
sales@jxtcompany.com

-www.trumbull-mfg.com

36" Ductile Iron Non-Indicating Floorstand

Trumbull 36" Ductile Iron Non-Indicating Floorstands are designed for installation in treatment plants and pump stations to allow operation of valves at a lower elevation.





Typical Floorstand installation

Ordering Instructions

- 7. Quantity required
- 2. Floorstand item number:

367-2417 (pedestal only)

367-2414 (pedestal, stem, handwheel & coupling)

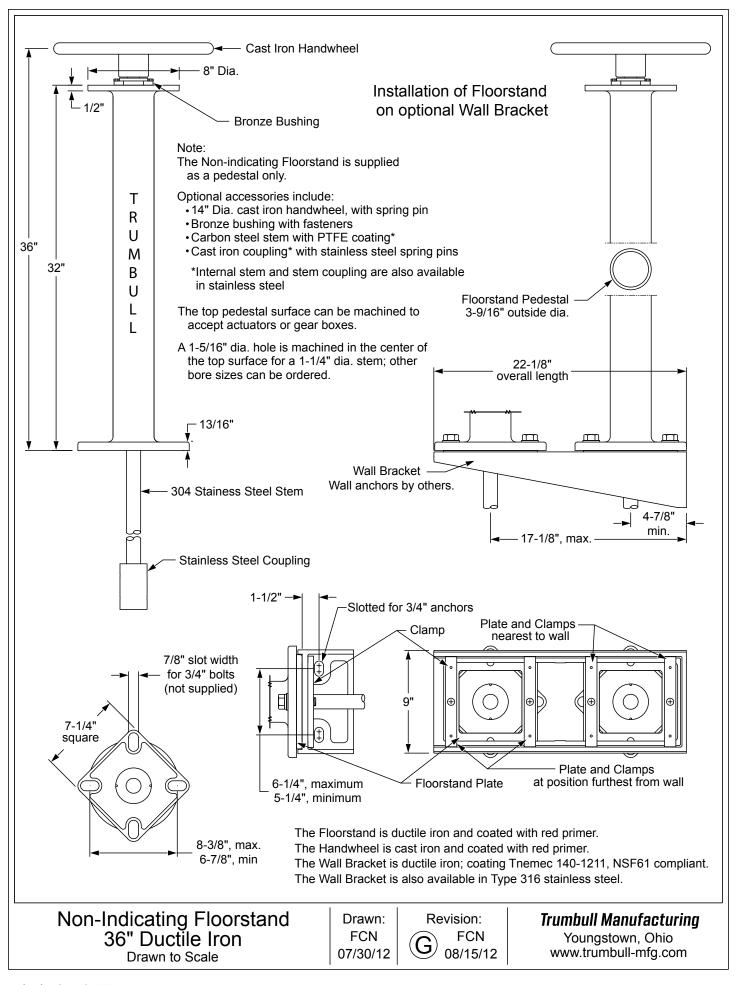
- 3. If internal stem is required, state:
 - a. O.D. of extension stem being used, for drilling of connecting couplings
 - b. Carbon or stainless steel stem
- 4. Wall Bracket, if required
 - a. Ductile iron item number: 367-2451
 - b. Stainless steel item number: 367-2461



Non-indicating Floorstands can be adapted for various custom requirements such as:

- Trumbull Valve Position Indicators, 57, 275 or 870 turns (mounted to top flange, with adapter)
- Adapter flange for actuator mounting
- Top flange drilled for customer-supplied actuator
- Gear operators

Also available in indicating styles in ductile iron (pages G-45 to G-48) and cast stainless steel (page G-51 to G-52). See page G-34 for custom Floorstand options.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

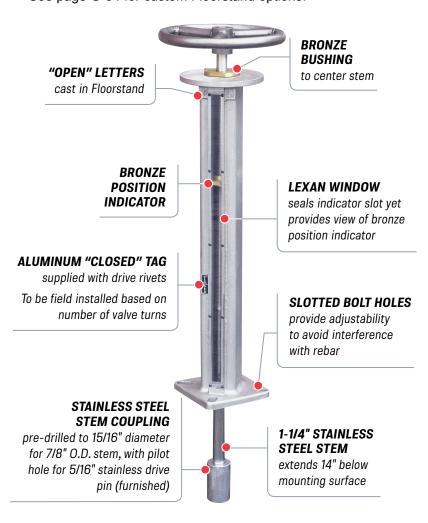
Sales

828-735-1978 sales@jxtcompany.com

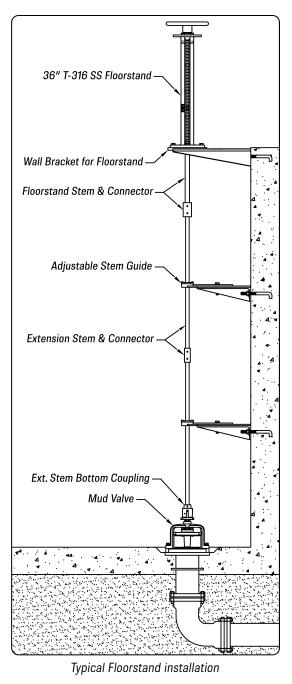
-www.trumbull-mfg.com

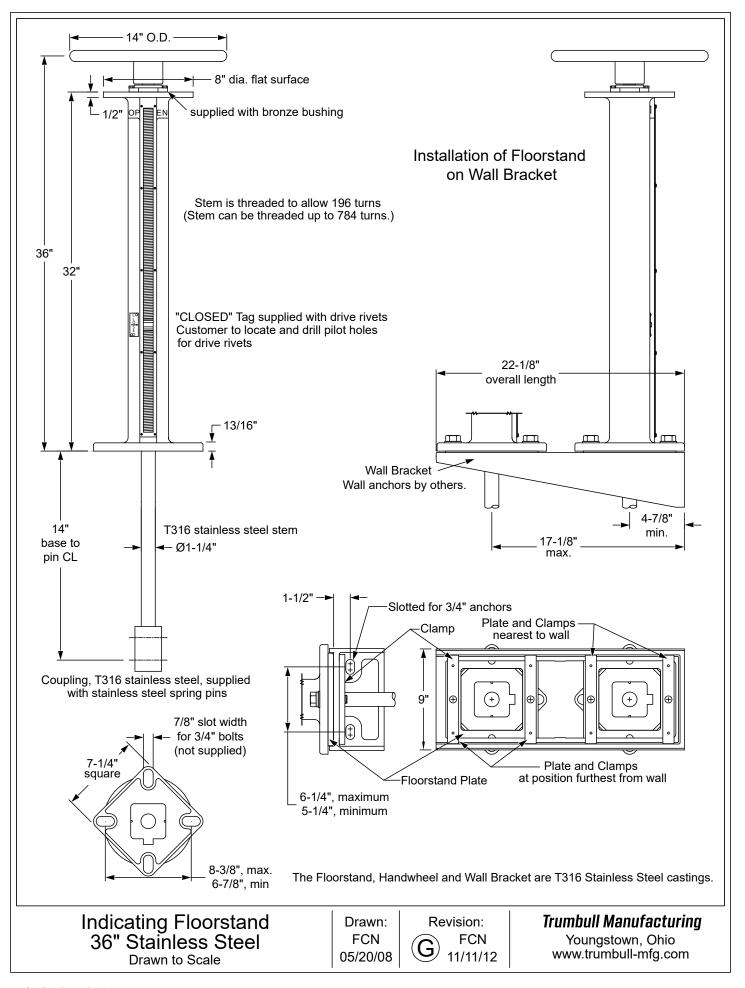
36" Stainless Steel Indicating Floorstand

Trumbull 36" Stainless Steel Indicating Floorstands are designed for installation in treatment plants and pump stations to allow operation of valves at a lower elevation. Stainless steel drive pin secures handwheel to stem. Flange can be machined to facilitate mounting of actuator, if required (also available with gear operators). Stocked for "open left" valves; also available for "open right" valves. Standard stem threading allows up to 196 turns; optional threading allows up to 784 turns. Also available in ductile iron (see page G-47 and G-48). See page G-34 for custom Floorstand options.



- 1. Quantity required
- 2. Floorstand item number: 367-2431
- 3. O.D. of extension stem being used, for drilling of connecting couplings
- 4. Stainless steel Wall Bracket, if required: item number: 367-2461







3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

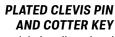
Email sales@jxtcompany.com

-www.trumbull-mfg.com

Hand Lever

For Use with Quarter-Turn, Above Ground Valves





join handle to head

1" STEEL PIPE HANDLE

12" long; longer lengths made to order

HEAVY DUTY DUCTILE IRON HEAD CASTING

stronger, yet lighter than grey iron wrench

CAP SCREW AND JAM NUT

secure wrench to valve operating nut

Hand Lever

Item №	Overall Length	Length of 1" Pipe	Weight
367-9986	14-3/4"	12"	5.00 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Phone: 330.270.7888 | 877.504.1507 |

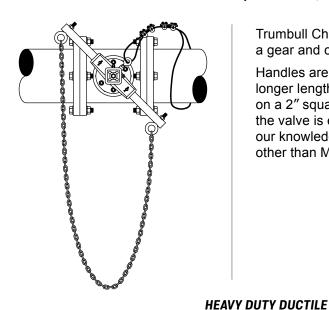
Toll Free:

330.392.0756

-www.trumbull-mfg.com

Chain Lever

Used for Manual Operation of Quarter-Turn Valves Installed Overhead



Trumbull Chain Levers save the unnecessary expense of adding a gear and chainwheel to valves that don't require a gear to operate.

Handles are 1" sch 40 pipe. Stocked with an overall length of 24"; longer lengths made to order. Our Chain Levers are designed to fit on a 2" square nut whose flat sides are parallel to the flow line, when the valve is either fully open or closed (see illustration on left). To our knowledge, our Chain Lever will properly operate all plug valves, other than Milliken.

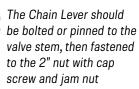


TAPPED FOR STANDARD EYEBOLT

used for installation of our secondary safety restraint system which should be attached to an adjacent pipe or valve component (see pages G-65 and G-66)

PLATED EYEBOLTS. **HARDWARE AND CONNECTOR LINKS**

furnished standard



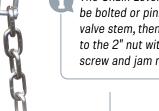
IRON HEAD CASTING

grey iron

stronger, yet lighter than

PLATED CLEVIS PIN AND COTTER KEY join handle to head

OPENING IN CASTING allows for secure fastening to valve stem



Chain Lever

Includes handles and hardware.

Item №	Overall Length	Weight
367-9988	24"	8.50 lbs.

Chain Lever Accessories

For machine chain, order specific length required.

Description	Item №	Weight
Machine Chain, straight link, size 2/0	172-1219	0.32 lbs./ft.
Secondary Safety Restraint Kit, less eyebolt	367-1975	1.25 lbs.
Eyebolt, for Secondary Safety Restraint Kit	367-1974	0.25 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

Ductile Iron Chainwheels

Used to Operate Overhead Valves from the Floor

SPROCKET-TYPE using single loop cut chain

Ductile Iron Chainwheels allow operation of valves, actuators, or gear boxes in high, hard-to-reach locations by means of a slight pull on the chain. Universal design allows Chainwheel to be clamped to handwheel, or pinned directly to the stem. Ductile Iron Chainwheels are furnished with zinc-plated steel attachment hardware for clamping to a handwheel. When Chainwheel is to be pinned to the stem, direct mount adapters are available. The adapters require pinning to the stem as illustrated on page G-62. Adapter is pre-drilled with pin hole, and supplied with a stainless steel pin for customer mounting to the stem. Drilling of the stem by customer. To prevent serious injury, we recommend the use of our Secondary Safety Restraint System (see pages G-65 and G-66). All Trumbull Chainwheels are furnished with a threaded boss for the addition of our Safety Restraint System.





When ordering, indicate the Chainwheel and chain size numbers and the number of feet of chain required. Chain is provided in continuous lengths and easily cut in the field to exact length needed. Closing the loop is simple with Connecting Links (shown below), see page G-63 for more information.

Connecting Links

Chain	Galva	nized	316 Sta	inless		
	Size Item №		Weight	Item №	Weight	
	1/0	367-1994	0.02 lbs.	367-1997	0.02 lbs.	
	4/0	367-1995	0.03 lbs.	367-1998	0.03 lbs.	
	5/0	367-1996	0.05 lbs.			

| Galvanized | Stainless |

			Boxed	Handwheel OD Range	Chain	Chain	Chain	Length (2X drop)
Item №	Size No.	Diameter	Weight	Chainwheel will Fit	Size	Item №	Item №	plus
367-1873	TR-0.0	4"	2.25 lbs.	2" to 4"	#2	172-1650		1 ft.
367-1874	TR-1.0	6″	5.40 lbs.	4-1/4" to 5-3/4"	1/0			1 ft.
367-1875	TR-1.5	7-1/2"	8.75 lbs.	6" to 7-1/2"	1/0	367-1894	367-1897	1 ft.
367-1876	TR-2.0	9″	13.40 lbs.	7-3/4" to 9"	1/0			1-1/2 ft.
367-1877	TR-2.5	12-1/2"	17.00 lbs.	9-1/4" to 12-1/2"	4/0			1-1/2 ft.
367-1878	TR-3.0	15-1/2"	21.60 lbs.	12-3/4" to 15-1/2"	4/0	367-1895	367-1898	2 ft.
367-1879	TR-3.5	19"	30.85 lbs.	15-3/4" to 19"	4/0			2-1/2 ft.
367-1880	TR-4.0	22"	42.75 lbs.	19-1/4" to 22"	5/0			3 ft.
367-1881	TR-4.5	26"	49.00 lbs.	22-1/2" to 26"	5/0	367-1896	367-1901	3-1/2 ft.
367-1882	TR-5.0	30"	63.40 lbs.	22-1/2" to 36"	5/0			4 ft.



Ductile Iron and Aluminum Chainwheels are sprocket-type, using single loop cut chain. Carbon Steel and Stainless Steel Chainwheels are pocket-type, using smooth welded link machine chain. See page G-59 for Chainwheel dimensions.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

Aluminum Chainwheels

Used to Operate Overhead Valves from the Floor

SPROCKET-TYPE using single loop cut chain

Aluminum Chainwheels allow operation of valves, actuators, or gear boxes in high, hard-to-reach locations by means of a slight pull on the chain. The light weight of aluminum Chainwheels is desirable to minimize the weight on the stems. Universal design allows Chainwheel to be clamped to a handwheel, or pinned directly to the stem.

All Aluminum Chainwheels are A356-T6 alloy and are provided with a protective coating.

Aluminum Chainwheels are furnished with stainless steel attachment hardware for clamping to a handwheel. When Chainwheel is to be pinned to the stem, direct mount adapters are available. The adapters require pinning to the stem as illustrated on page G-62. Adapter is pre-drilled with pin hole, and supplied with a stainless steel pin for customer mounting to the stem. Drilling of the stem by customer.

To prevent serious injury, we recommend the use of our Secondary Safety Restraint System (see pages G-65 and G-66 for more information). All Trumbull Chainwheels are furnished with a threaded boss for the addition of our Safety Restraint System.



| Galvanized | Stainless

			Boxed	Handwheel OD Range	Chain	Chain	Chain	Length (2X drop)
Item №	Size No.	Diameter	Weight	Chainwheel will Fit	Size	Item №	Item №	plus
367-2020	TRA-0.0	4"	1.05 lbs.	2" to 4"	#2	172-1650		1 ft.
367-2021	TRA-1.0	6"	2.65 lbs.	4-1/4" to 5-3/4"	1/0			1 ft.
367-2022	TRA-1.5	7-1/2"	4.15 lbs.	6" to 7-1/2"	1/0	367-1894	367-1897	1 ft.
367-2023	TRA-2.0	9″	5.30 lbs.	7-3/4" to 9"	1/0			1-1/2 ft.
367-2024	TRA-2.5	12-1/2"	7.90 lbs.	9-1/4" to 12-1/2"	4/0			1-1/2 ft.
367-2025	TRA-3.0	15-1/2"	10.40 lbs.	12-3/4" to 15-1/2"	4/0	367-1895	367-1898	2 ft.
367-2026	TRA-3.5	19"	13.30 lbs.	15-3/4" to 19"	4/0			2-1/2 ft.

When ordering, indicate the Chainwheel and chain size numbers and the number of feet of chain required. Chain is provided in continuous lengths and easily cut in the field to exact length needed. Closing the loop is simple with Connecting Links (shown on right), see page G-63 for more info.



Ductile Iron and Aluminum Chainwheels are sprocket-type, using single loop cut chain. See page G-59 for Chainwheel dimensions.



Connecting Links

Chain	Galva	nized	316 Sta	inless
Size	Item №	Weight	Item №	Weight
1/0	367-1994	0.02 lbs.	367-1997	0.02 lbs.
4/0	367-1995	0.03 lbs.	367-1998	0.03 lbs.
5/0	367-1996	0.05 lbs.		

Chain



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

-www.trumbull-mfg.com

316 Stainless Steel Chainwheels

Used to Operate Overhead Valves from the Floor

POCKET-TYPE using welded link machine chain



Stainless Steel Chainwheels allow operation of valves, actuators, or gear boxes in high, hard-to-reach locations by means of a slight pull on the chain. Universal design allows Chainwheel to be clamped to a handwheel, or pinned directly to the stem. Designed for corrosive environments, our Stainless Steel Chainwheels are Type 316 investment steel castings. Ideal in chemical processing, outdoor installations, or salt water environments.

Stainless Chainwheels are furnished with stainless steel attachment hardware for clamping to a handwheel. When Chainwheel is to be pinned to the stem, direct mount adapters are available. The adapters require pinning to the stem as illustrated on page G-62. Adapter is pre-drilled with pin hole, and supplied with a

stainless steel pin for customer mounting to the stem. Drilling of the stem by customer.

To prevent serious injury, we recommend the use of our Secondary Safety Restraint System (see pages G-65 and G-66). Furnished with a threaded boss for the addition of Safety Restraint System.



Trumbull smooth, welded link chain (shown below) is calibrated specifically for use on the full range of Trumbull pocket-type Chainwheels and is required for smooth operation.



Item №	Size No.	Diameter	Boxed Weight	Handwheel Range Chainwheel will Fit**	Bore*** Diameter	Chain Length (2X Drop)
367-1825	TRS-4D*	4-1/8"	4.75 lbs.	1-1/2" I.D. to 4-1/2" O.D.	0.500	Plus 1 ft.
367-1830	TRS-6D*	5-7/8"	8.65 lbs.	2-1/8" I.D. to 6-1/4" O.D.	0.850	Plus 1 ft.
367-1833	TRS-8B	8"	14.40 lbs.	7-1/2" O.D. to 10-1/2" O.D.	1.500	Plus 1-1/2 ft.
367-1845	TRS-12B	11-5/8"	19.80 lbs.	8-1/2" O.D. to 13-1/2" O.D.	1.500	Plus 1-1/2 ft.
367-1850	TRS-15B	15-3/16"	23.90 lbs.	9-1/2" O.D. to 17-1/2" O.D.	1.500	Plus 2 ft.
367-1860	TRS-22B	22-1/4"	34.45 lbs.	13" O.D. to 25" O.D.	1.500	Plus 3 ft.
367-1870	TRS-29B	29-1/4"	48.00 lbs.	17-3/4" O.D. to 32" O.D.	1.500	Plus 4 ft.
367-1871	TRS-29C	29-1/4"	48.00 lbs.	22-1/2" O.D. to 37" O.D.	1.500	Plus 4 ft.

- * D suffix denotes "Disc", used in lieu of standard clamping hardware; see page G-61 for illustration.
- ** The ranges above are for Size "B" attachment stampings, furnished standard with TRS-8 to TRS-29 Chainwheels. Chainwheels can fit handwheel diameters outside these ranges by using optional hardware (see chart page G-61). Consult your Trumbull Sales Rep for either shorter or longer attachment set stampings.
- *** Consult factory if using OS&Y gate valves with stem diameters greater than bore diameters shown.

Trumbull Calibrated Machine Chain

Order length of chain required and connecting link.



Ductile Iron and Aluminum Chainwheels are sprocket-type, using single loop cut chain. Carbon Steel and Stainless Steel Chainwheels are pocket-type, using smooth welded link machine chain. See page G-59 for Chainwheel dimensions.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

Email sales@jxtcompany.com

www.trumbull-mfg.com

Carbon Steel Chainwheels

Used to Operate Overhead Valves from the Floor

POCKET-TYPE using welded link machine chain

Carbon Steel Chainwheels allow operation of valves, actuators, or gear boxes in high, hard-to-reach locations by means of a slight pull on the chain. Universal design allows Chainwheel to be clamped to a handwheel, or pinned directly to the stem.

Carbon Steel Chainwheels are furnished with stainless steel attachment hardware for clamping to a handwheel. When Chainwheel is to be pinned to the stem, direct mount adapters are available. The adapters require pinning to the stem as illustrated on page G-62. Adapter is pre-drilled with pin hole, and supplied with a stainless steel pin for customer mounting to the stem. Drilling of the stem by customer.

To prevent serious injury, we recommend the use of our Secondary Safety Restraint System (see pages G-65 and G-66). All Trumbull Chainwheels are furnished with a threaded boss for the addition of our Safety Restraint System.



Item №

367-1829

367-1832

367-1844

367-1849

367-1859

367-1869

Trumbull smooth, welded link chain (shown below) is calibrated specifically for use on the full range of Trumbull pocket-type Chainwheels and is required for smooth operation.

Diameter

5-7/8"

8"

11-5/8"

15-3/16"

22-1/4"

29-1/4"

Boxed Weight

8.50 lbs.

14.35 lbs.

18.65 lbs.

24.75 lbs.

34.80 lbs.

45.05 lbs.

Size No.

TRCS-6PD*

TRCS-8PB

TRCS-12PB

TRCS-15PB

TRCS-22PB

TRCS-29PB



Handwheel Chainwheel	Range will Fit**	Bore*** Diameter	Chain Length (2X drop)
2-1/8" I.D. to	6-1/4" O.D.	0.850	Plus 1 ft.
7-1/2" O.D. to	10-1/2" O.D.	1.500	Plus 1-1/2 ft.
8-1/2" O.D. to	13-1/2" O.D.	1.500	Plus 1-1/2 ft.
9-1/2" O.D. to	17-1/2" O.D.	1.500	Plus 2 ft.
13" O.D. to	25" O.D.	1.500	Plus 3 ft.
17-3/4" O.D. to	32" O.D.	1.500	Plus 4 ft.

- * D suffix denotes "Disc", used in lieu of standard clamping hardware; see page G-61 for illustration.
- ** The ranges above are for Size "B" attachment stampings, furnished standard with TRCS-8 to TRCS-29 Chainwheels. Chainwheels can fit handwheel diameters outside these ranges by using optional hardware (see chart on page G-61). Consult your Trumbull Sales Rep for either shorter or longer attachment set stampings.
- *** Consult factory if using OS&Y gate valves with stem diameters greater than bore diameters shown.

Trumbull Calibrated Machine Chain

Order length of chain required and connecting link.

SS Connecting Link



367-1816



Ductile Iron and Aluminum Chainwheels are sprocket-type, using single loop cut chain. Carbon Steel and Stainless Steel Chainwheels are pocket-type, using smooth welded link machine chain. See page G-59 for Chainwheel dimensions.



0.05 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

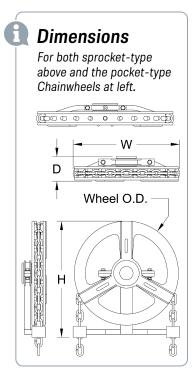
Sprocket-Type Chainwheel Dimensions

DUCTILE IRON	TR-0.0	TR-1.0	TR-1.5	TR-2.0	TR-2.5	TR-3.0	TR-3.5	TR-4.0	TR-4.5	TR-5.0
TRUMBULL ITEM NUMBER	367-1873	367-1874	367-1875	367-1876	367-1877	367-1878	367-1879	367-1880	367-1881	367-1882
BOXED WEIGHT (LBS.)	2.2	5.4	8.8	13.4	17.0	21.6	30.9	42.8	49.0	63.4
ALUMINUM	TRA-0.0	TRA-1.0	TRA-1.5	TRA-2.0	TRA-2.5	TRA-3.0	TRA-3.5			
TRUMBULL ITEM NUMBER	367-2020	367-2021	367-2022	367-2023	367-2024	367-2025	367-2026			
BOXED WEIGHT (LBS.)	1.0	2.7	4.2	5.3	7.9	10.4	13.3			
CHAINWHEEL O.D.	4"	6"	7-1/2"	9″	12-1/2"	15-1/2"	19"	22"	26"	30"
C-WHEEL ASSEMBLY FITS HANDWHEEL O.D. RANGE	2" to 4"	4-1/4" to 5-3/4"	6" to 7-1/2"	7-3/4" to 9"	9-1/4" to 12-1/2"	12-3/4" to 15-1/2"	15-3/4" to 19"	19-1/4" to 22"	22-1/2" to 26"	22-1/2" to 36"
CHAIN SIZE	Size #2		Size 1/0	,		Size 4/0			Size 5/0	
ATTACHMENT SET SIZE	Disk #0 367-2005	Disk #1 367-2006	" <i>I</i> 367-	-	"B" 367-1811		"C 367-			"D" 367-1813
"D" (OVERALL DEPTH)	1-7/8"	2-3/8"	2-1/2"	2-1/2"	2-9/16"	2-9/16"	2-9/16"	2-5/8"	2-5/8"	3-5/16"
"H" (OVERALL HEIGHT)	5″	6-7/8"	8-3/4"	10-3/4"	12-5/8"	16"	19"	23"	27"	30"
"W" (OVERALL WIDTH)	4-1/4"	5-7/16"	8-1/4"	9-1/2"	11-5/16"	15-7/16"	18-7/16"	22-5/8"	26-1/2"	29-7/8"
STAR ADAPTER SIZE	Sm	nall Medium				Large & X-Large see NOTE below				
MIN/MAX BORE DIA.	3/8" to	o 7/8″	,	1/2" to 1-3/8	"	1/2" to 1-3/8" (Large); 1/2" to 2-1/8" (X-Large)			arge)	

Note: Chainwheel spokes must be drilled for the Star Adapter on the TR-4.0, TR-4.5 and TR-5.0.

Pocket-Type Chainwheel Dimensions

CARBON STEEL		TRCS-6	TRCS-8	TRCS-12	TRCS-15	TRCS-22	TRCS-29
TRUMBULL ITEM NUMBER		367-1829	367-1832	367-1844	367-1849	367-1859	367-1869
BOXED WEIGHT (LBS.)		8.5	14.4	18.7	24.8	34.8	45.0
STAINLESS STEEL	TRS-4	TRS-6	TRS-8	TRS-12	TRS-15	TRS-22	TRS-29
TRUMBULL ITEM NUMBER	367-1825	367-1830	367-1833	367-1845	367-1850	367-1860	367-1870
BOXED WEIGHT (LBS.)	4.8	8.7	14.4	19.8	23.9	34.5	48.0
CHAINWHEEL O.D.	4-1/8"	5-7/8"	8″	11-5/8"	15-3/16"	22-1/4"	29-1/4"
C-WHEEL ASSEMBLY FITS HANDWHEEL O.D. RANGE	1-1/2" to 4-1/2"	2-1/8" to 6-1/4"	7-1/2" to 10-1/2"	8-1/2" to 13-1/2"	9-1/2" to 17-1/2"	13" to 25"	17-3/4" to 32"
ATTACHMENT SET SIZE	Disk #4	Disk #6				provided as s s "A" & "C" (see	
"D" (OVERALL DEPTH)	2-3/8"	2-5/8"	2-3/4"	2-3/4"	2-3/4"	2-3/4"	2-7/8"
"H" (OVERALL HEIGHT)	6-1/4"	7-1/16"	9″	13-1/8"	16-1/4"	22-1/4"	29-1/4"
"W" (OVERALL WIDTH)	4-5/8"	6-3/16"	8-7/16"	12"	15-5/8"	22-5/8"	29-1/2"
STAR ADAPTER SIZE	Sm	nall			Large		
MIN/MAX BORE DIA.	3/8" t	8" to 7/8" 3/4" to 1-3/8"					





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Chainwheel Connecting Links and Chain

Sprocket-Type Chainwheels

Ductile Iron & Aluminum Models

SINGLE LOOP CHAIN engages with the teeth in the wheel.

Pocket-Type Chainwheels

Carbon Steel & Stainless Steel Models

WELDED LINK MACHINE CHAIN fits in pockets in the wheel.

Smooth chain links provide more comfortable operation.



When ordering chain, indicate the Chainwheel and Chain size numbers, also the number of feet of chain required. Chain is provided in continuous lengths and easily cut in the field to exact length needed.

Closing the loop is simple with "Connecting Links".

TR Series Connecting Links

for sprocket-type Chainwheels Installation instructions on page G-63!

	Galvanized	Stainless
Chain Size	Item №	Item No.
#2		
1/0	367-1994	367-1997
4/0	367-1995	367-1998
5/0	367-1996	

Single-Loop Chain

	Galvanized	Stainless
Chain Size	Item №	Item No.
#2	<i>172-1650</i>	
1/0	367-1894	367-1897
4/0	367-1895	367-1898
5/0	367-1896	367-1901

TRS Series Connecting Links

for pocket-type Chainwheels

316L Stainless	Zinc Plated Carbon Steel
Item №	Item No.
367-1816	

Welded Link Machine Chain

calibrated specifically for our pocket-type Chainwheels

316L Stainless	Zinc Plated Carbon Steel
Item №	Item No.
367-1815	367-1818





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978

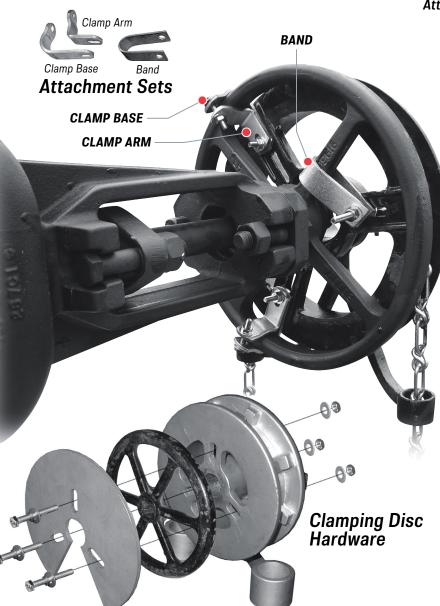
Email sales@jxtcompany.com

www.trumbull-mfg.com

CLAMPING HARDWARE

Mounting of Chainwheels

Attachment sets and discs used to mount Chainwheels to handwheel



Each Trumbull Chainwheel is furnished standard with Clamp-On Attachment Hardware. The smaller sizes furnished with Clamping Discs, and larger sizes with Attachment Sets, as outlined below.

Sprocket-Type Chainwheels

- SIZES TR/A-0.0 AND TR/A-1.0 use Clamping Disc hardware.
- SIZES TR/A-1.5 TO TR/A-2.5 use two sets of Clamp Bases & Arms, plus one Band.
- SIZES TR/A-3.0 TO TR/A-5.0
 use three sets of Clamp Bases
 & Arms and do not use a Band.

Pocket-Type Chainwheels

- SIZES TRS/CS-4 & TRS/CS-6 use Clamping Disc hardware.
- SIZES TRS/CS-8 TO TRS/CS-29
 are furnished standard with
 size "B" Attachment Sets.
 Pocket Chainwheels can fit
 handwheel diameters outside
 these ranges by using optional
 Hardware Sets "A" and "C" as
 shown on chart below.

Pocket Handwheel O.D. Ranges

	"A" Attachment Set		"B" Attac	hment Set	"C" Attachment Set		
<u>Size</u>	Min. O.D.	Max. O.D.	Min. O.D.	Max. O.D.	Min. O.D.	<u>Max. O.D.</u>	
TRS/CS-8	6"	8"	7-1/2"	10-1/2"	12-1/2"	15-1/2"	
TRS/CS-12	7"	11"	8-1/2"	13-1/2"	13-1/4"	18-1/2"	
TRS/CS-15	8"	15"	9-1/2"	17-1/2"	14-1/8"	23"	
TRS/CS-22	11"	22-1/2"	13"	25"	17-1/2"	30"	
TRS/CS-29	16"	29"	17-3/4"	32"	22-1/2"	37"	



3850 Hendricks Road, Youngstown, Ohio 44515

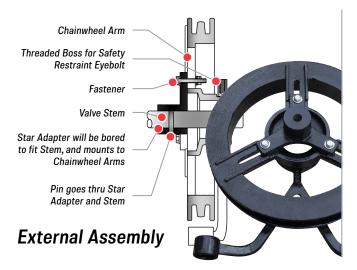
Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

www.trumbull-mfg.com

"STAR ADAPTERS"

Star Adapters are available for direct mounting of Chainwheels to valve, gear box, or actuator stem.

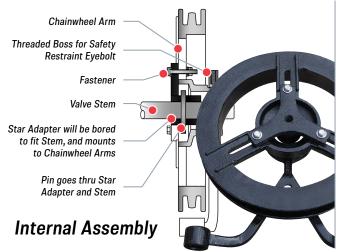
These adapters require pinning to the stem. Pilot holes are pre-drilled in the adapter for ease of installation on-site; the drilling of the stem is by customer. Star Adapters will be furnished with fasteners necessary to attach to Chainwheel, in lieu of clamping hardware normally furnished with Chainwheel.



Direct Mounting of Chainwheels

for both Sprocket-Type and Pocket-Type Chainwheels





Ductile Iron "Star Adapters" for Sprocket-Type Chainwheels

CHAINWHEEL	<u>Size</u> 0.0	<u>Size</u> 1.0	<u>Size</u> 1.5	<u>Size</u> 2.0	<u>Size</u> 2.5	<u>Size</u> 3.0	<u>Size</u> 3.5	<u>Size</u> 4.0	<u>Size</u> 4.5	<u>Size</u> 5.0
DI STAR ADAPTER	S	S	M	M	M	L & XL	L & XL	L & XL	L & XL	L & XL
TRUMBULL ITEM NO.	167-	3070	167-3072				167-3074 (L) & 167-3076 (XL)			
BORE SIZE, STANDARD	3/	8″	1/2"		1/2"					
HUB O.D.	1-1	/8"	1-5/8"		L – 1-5/8" / XL – 2-3/8"					
OPTIONAL BORE, MAX.	7/	8″	1-3/8"		L – 1-3/8" / XL – 2-1/8"					
HUB HEIGHT	3/	4"		1-3/16"		1-1/2"				

Stainless Steel "Star Adapters"

FOR POCKET-TYPE CHAINWHEELS

CHAINWHEEL	Size 4	Size 6	Size 8	<u>Size</u> 12	<u>Size</u> 15	<u>Size</u> 22	<u>Size</u> 29
SS STAR ADAPTER	S	S	L	L	L	L	L
TRUMBULL ITEM NO.	167-3060 167-3062						
BORE SIZE, STANDARD	3/	8"	3/4"				
HUB O.D.	1-1/16"		1-9/16"				
OPTIONAL BORE, MAX.	7/8"		1-3/8"				
HUB HEIGHT	1/:	2"			1-1/2"		



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email 828-735-1978 828-477-4601 sales@jxtcompany.com

-www.trumbull-mfg.com

TR-Series Connecting Links Used to Connect Chain for Use with Sprocket Chainwheels

TR Series Connecting Links are used to connect single loop chain for use with Trumbull ductile iron and aluminum Sprocket-Type Chainwheels. Pre-formed Connecting Links eliminate the need to cut and bend chain to form a loop.

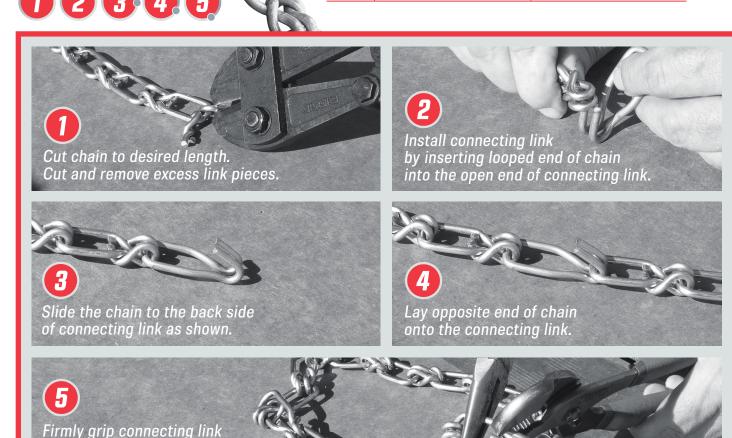
Calvanizad

Available in three sizes; 1/0, 4/0 and 5/0.

INSTALLATION IS EASY. **JUST FOLLOW THESE FIVE STEPS.**

Chain	Gaiva	IIIZEU	310 Stailin	ess Steer
Size	ltem №	Weight	Item №	Weight
1/0	367-1994	0.02 lbs.	367-1997	0.02 lbs.
4/0	367-1995	0.03 lbs.	367-1998	0.03 lbs.
5/0	367-1996	0.05 lbs.		

216 Stainland Staal



with pliers and/or adjustable pliers and crimp the open end of connecting link over to complete connection.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

"Chain-Up" Device

Eliminates a Potential Safety Hazard Presented by Overhead Chains

Chainwheels are installed to provide access to overhead valves and they frequently result in chain hanging into the pathway of workers, creating a kind of obstacle course or even a safety hazard.

Our "Chain-Up" Device stores chain overhead and safely above the pathway. Simply hook the clevis pin into a chain link at the desired overhead height and insert the chain into the device. Pull on the handle to release the chain for operation. After use, the chain is placed back into the "Chain-Up" and hooked at the desired height. Molded in Safety Orange color from high-strength thermoplastic polymer.





WATER DRAINS

prevent water from building up inside

Overall Length Weight 11-3/4" 0.55 lbs.

For additional Chainwheel safety, always use Trumbull's Chainwheel Safety Restraint System (see page G-65 & G-66 for more information).



3850 Hendricks Road, Youngstown, Ohio 44515

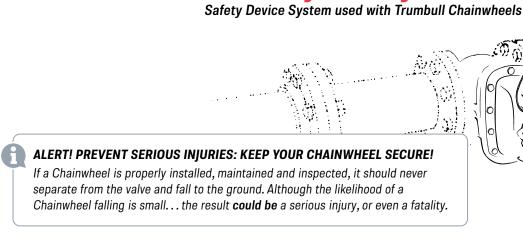
Customer Service 828-477-4601

Sales 828-735-1978

Email sales@jxtcompany.com

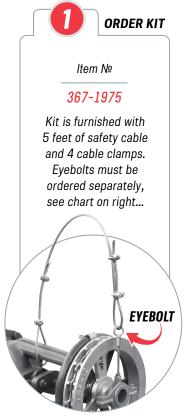
-www.trumbull-mfg.com

Secondary Safety Restraint

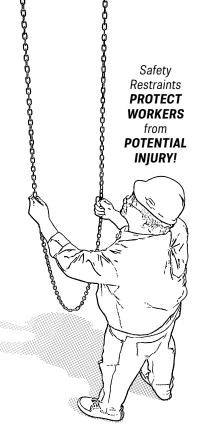


Secondary Safety Restraints, also called "Safety Cable Kits", can be economically added to the Chainwheel installation. One end is attached to the Chainwheel and the other to a permanent part of the valve or an adjacent pipe.

Cable, clips and eyebolts are made from Type 316 stainless steel for long life in even the most corrosive environments.



SELECT EYEBOLT									
	Chainwl	hee	l Model	Eyebolt Length	Item №				
	TRS-4			1″	367-1974				
ST	TRS-6		TRCS-6	1″	367-1974				
AINLESS STEEL	TRS-8	CA	TRCS-8	3"	367-1973				
	TRS-12	圈	TRCS-12	6"	367-1972				
	TRS-15	CARBON STEEL	TRCS-15	6"	367-1972				
쿄	TRS-22	띪	TRCS-22	13"	367-1970				
-	TRS-29B	严	TRCS-29B	16"	367-1969				
	TRS-29C		TRCS-29C	18"	367-1967				
	TR-0.0		TRA-0.0	2"	367-1968				
	TR-1.0	ъ	TRA-1.0	2"	367-1968				
	TR-1.5		TRA-1.5	3"	367-1973				
DUCTI	TR-2.0		TRA-2.0	3"	367-1973				
É	TR-2.5		TRA-2.5	6"	367-1972				
ILE IRON	TR-3.0		TRA-3.0	9"	367-1971				
Ĩ	TR-3.5	U	TRA-3.5	9"	367-1971				
	TR-4.0			9"	367-1971				
	TR-4.5			13"	367-1970				
	TR-5.0			18"	367-1967				





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales

Email 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

INSTRUCTIONS

Installation of Safety Restraints

As easy as... 1 2 3 4













Install safety cable eyebolt and use jam nut to secure in place.



Loop cable through eyebolt leaving about 6" excess.

Install one cable clamp about 1" from end, and the second clamp as close to the eyebolt as possible.

> Eye of eyebolt must be parallel to Chainwheel and u-bolt nuts should face AWAY from the Chainwheel.



Loop other end of cable around a secure object. Cable can be attached to yoke of valve or an adjacent pipe.

> Tighten all four clamp nuts evenly to 15 ft-lb minimum.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email

828-477-4601 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Saddle Style Adjustable Pipe Supports

Available in Galvanized Carbon Steel and ASTM 304 Stainless Steel



All Trumbull Pipe Support models have been tested to a 10.000 lb load, under typical installation conditions. We recommend Project Engineers consider a safety factor when determining the number of supports in their design.



ASSEMBLY INCLUDES:

- A Large base, 8" x 8"
- B Saddle Assembly & Height-Adjustment Cap, which allows for up to 3" of final height adjustment

CUSTOMER SUPPLIED:

Extension Pipe, at the length required*

	Carbon Steel	304 Stainless Steel
Base Plate:	ASTM A36 sheet steel	ASTM 304 sheet steel
Threaded Rod:	ASTM A307 rolled threads	ASTM 304 rolled threads
Base Cup:	ASTM A53 tubing	ASTM 304 tubing
Adjustment Cap:	ASTM A53 tubing	ASTM 304 tubing
Saddle:	ASTM A36	ASTM 304

Standard stock Saddles are formed to fit ductile iron pipe diameters, other pipe diameters available upon request;

- Optional 316 stainless steel supports available.
- Other coatings such as epoxy paint may be available, please inquire as to availability.

Extension Pipe is furnished separately. If required, Trumbull can supply pipe that is cut-to-length.

	Carbon	304 Stainless				op.) p.peat .e e	·- · · · · · · · · · · · · · ·
Pipe	Steel	L				Extension Pipe	Min. Height
Size	Item №	Item №	Saddle Size	Threaded Rod	Base Plate	Size*	from Floor
3″	364-5850	364-5830	1-1/2" x 3/8"				
4"	364-5851	364-5831	1-1/2 X 3/6				
6"	364-5852	364-5832	2" x 1/2"	1"-8 NC x 6"	1/4" x 8" x 8"	2" Sch 40	7″
8″	364-5853	364-5833					
10"	364-5854	364-5834					
12"	364-5855	364-5835					
14"	364-5856	364-5836	3" x 5/8"	1-1/2"-6 NC x 6"		3" Sch 40	
16"	364-5857	364-5837	3 X 3/6	1-1/2 -0 NC X 0		3 301140	
18"	364-5858	364-5838	4" x 3/4"		1/2" x 8" x 8"		10"
20"	364-5859	364-5839		2"-4 NC x 6"		4" Sch 40	
24"	364-5860	364-5840					



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

sales@ixtcompany.com

www.trumbull-mfg.com

Flange Style Adjustable Pipe Supports

Available in Galvanized Carbon Steel and ASTM 304 Stainless Steel

All Trumbull Pipe Support models have been tested to a 10,000 lb load, under typical installation conditions. We recommend Project Engineers consider a safety factor when determining the number of supports in their design.

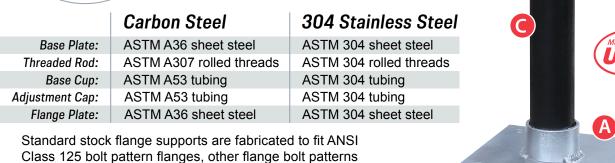


ASSEMBLY INCLUDES:

- A Large base; 4" x 6" or 8" x 8"
- B Flange Assembly & Height-Adjustment Cap, which allows for up to 3" of final height adjustment

CUSTOMER SUPPLIED:

Extension Pipe, at the length required*



classes available upon request;

- Optional 316 stainless steel supports available.
- Other coatings such as epoxy paint may be available, please inquire as to availability.
- * Extension Pipe is furnished separately. If required, Trumbull can supply pipe that is cut-to-length.

Class 125 Flange	Carbon Steel	304 Stainless	Flange Plate			Extension	Min. Height
Size	Item №	Item №	Dimensions	Threaded Rod	Base Plate	Pipe Size*	from Floor
3″	364-5870	364-5890	6" x 3-1/4" x 1/4"				
4"	364-5871	364-5891	4-1/2" x 2-1/2" x 1/4"				
6"	364-5872	364-5892	5-1/4" x 2-1/2" x 1/4"	1"-8 NC x 6"	1/4" x 4" x 6"	2" Sch 40	7″
8"	364-5873	364-5893	6-1/2" x 2-1/2" x 1/4"	I -O NO X O	1/4 X 4 X 0	2 301140	1
10"	364-5874	364-5894	6" x 2-1/2" x 1/4"				
12"	364-5875	364-5895	6-1/2" x 2-1/2" x 1/4"				
14"	364-5876	364-5896		1-1/2"-6 NC x 6"		3" Sch 40	
16"	364-5877	364-5897		1-1/2 -0 NC X 0		3 301140	
18"	364-5878	364-5898	7-1/2" x 3-1/2" x 3/8"		1/2" x 8" x 8"		10″
20"	364-5879	364-5899		2"-4 NC x 6"		4" Sch 40	
24"	364-5880	364-5900					



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service Sales Email 828-477-4601 828-735-1978 sales@jxtcompany.com

-www.trumbull-mfg.com

Link-Seal® Modular Seals

The Premier Method for Permanently Sealing Pipe of Any Size Passing Through Walls, Floors and Ceilings

TRUMBULL MANUFACTURING IS AN APPROVED LINK-SEAL® MODULAR SEAL MASTER DISTRIBUTOR

Don't be fooled by "look-alikes". Specify and use original Link-Seal® Modular Seals!



Link-Seal®	Model C	Model S-316
Model No.	Item №	Item №
LS-200	364-5602	364-5702
LS-275	364-5604	364-5704
LS-300	364-5606	364-5706
LS-315	364-5607	364-5707
LS-325	364-5608	364-5708
LS-340	364-5609	364-5709
LS-360	364-5613	364-5713
LS-400	364-5610	364-5710
LS-410	364-5611	364-5711
LS-425	364-5612	364-5712
LS-475	364-5614	364-5714
LS-500	364-5616	364-5716
LS-525	364-5618	364-5718
LS-575	364-5620	364-5720
LS-615	spec/ord.	364-5722
LS-650	364-5623	364-5724

If you are unsure of the correct size for your job, please contact your Trumbull Rep before ordering.

16 INDUSTRY-LEADING SIZES

Nitrile seal elements, for oil, fuels, motor oil and kerosene, or for low durometer EPDM compound or silicone, see Link-Seal[®] Modular Seals catalog.

MODEL "C"

For use in water and waste water, EPDM Rubber. Bolts and nuts are carbon steel, zinc dichromated with a proprietary corrosion inhibiting coating.

MODEL "S-316"

For chemical processing and waste water treatment, EPDM Rubber. Bolts and nuts are 316 Stainless Steel.

HOW LINK-SEAL® MODULAR SEALS WORK ...



Link-Seal® modular seals are shipped as a belt of interconnecting rubber links.



Wrap the belt around the pipe and connect the first and last links together.



Slide the assembly into the space between the pipe and wall opening.



When the bolts are tightened, Link-Seal Modular Seals® expand to create a gas and water tight seal.



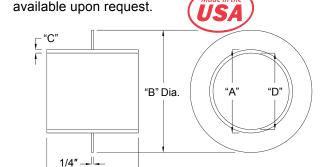
3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@ixtcompany.com

www.trumbull-mfg.com

Wall Sleeves

Trumbull Wall Sleeves consist of a 1/4" thick steel flange continuously welded, both sides, to a heavy steel cylinder. Wall Sleeves are supplied with a rust preventive coating on all surfaces; special coatings, including epoxy, are



Q

All Trumbull Wall Sleeves are made to order, and made to your particular specifications. They are coated with black enamel coating as standard. Other coatings also available, please inquire.

Item №	"A" Diameter	"B" Diameter	"C" Wall Thickness	"D" I.D.
TWS-0250-L	2.88"	6.88"	0.203"	2.47"
TWS-0300-L	3.50"	7.50"	0.216"	3.07"
TWS-0400-L	4.50"	8.50"	0.237"	4.03"
TWS-0600-L	6.63"	10.63"	0.280"	6.07"
TWS-0800-L	8.63"	12.63"	0.322"	7.98"
TWS-1000-L	10.75"	14.75"	0.365"	10.02"
TWS-1200-L	12.75"	16.75"	0.375"	12.00"
TWS-1400-L	14.00"	18.00"	0.375"	13.25"
TWS-1600-L	16.00"	20.00"	0.375"	15.25"
TWS-1800-L	18.00"	22.00"	0.375"	17.25"
TWS-2000-L	20.00"	24.00"	0.375"	19.25"
TWS-2200-L	22.00"	26.00"	0.375"	21.25"
TWS-2400-L	24.00"	28.00"	0.375"	23.25"
TWS-3000-L	30.00"	34.00"	0.375"	29.25"
TWS-3600-L	36.00"	40.00"	0.375"	35.25"
TWS-4200-L	42.00"	46.00"	0.375"	41.25"
TWS-4800-L	48.00"	52.00"	0.375"	47.25"

Century-Line™ Pipe Penetration Sleeves

Used to create circular sleeved holes in concrete poured barriers including walls, floors, ceilings, structural supports and tank footings.

Molded from non-conductive, high-impact resistant HDPE, these sleeves are lightweight and easily installed by one construction worker. Standard sleeves are 16" in length, but in the event of a

field or engineering change, they may be cut shorter at the job site using ordinary hand tools. Longer lengths available upon request.

- 1/8 the weight of steel wall sleeves.
- Resists water migration.
- Adjusts to wall thickness.
- Nailer end caps position sleeve precisely in form.



Item №	Model No.	Weight of 16" Length
spec/ord.	CS-2	0.70 lbs.
spec/ord.	CS-3	1.30 lbs.
spec/ord.	CS-3-1/2	1.50 lbs.
spec/ord.	CS-4	2.00 lbs.
spec/ord.	CS-5	2.80 lbs.
spec/ord.	CS-6	3.60 lbs.
spec/ord.	CS-8	4.80 lbs.
spec/ord.	CS-10	6.40 lbs.
spec/ord.	CS-12	7.20 lbs.
spec/ord.	CS-14	11.20 lbs.
spec/ord.	CS-16	12.00 lbs.
spec/ord.	CS-18	15.50 lbs.
spec/ord.	CS-20	17.50 lbs.
spec/ord.	CS-22	21.00 lbs.
spec/ord.	CS-24	22.00 lbs.
spec/ord.	CS-25	23.00 lbs.



3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

-www.trumbull-mfg.com

Brass Hydrant Adapters

"Low Lead" brass in compliance with NSF/ANSI 61 and NSF/ANSI 372

Heavy-duty brass construction, comes complete with gasket. Furnished with "pin-type" lugs. Available from stock with 2-1/2" NST hose threads, however special threads are available upon request.





NST x MIP Hydrant Adapters

Item №	Female Thread	Male Thread	Weight
377-9001	2-1/2" NST	3/4" MIP	1.40 lbs.
377-9005	2-1/2" NST	1-1/2" MIP	1.40 lbs.
377-9009	2-1/2" NST	2" MIP	1.40 lbs.

NST x Garden Hose Hydrant Adapter

Item №	Female Thread	Male Thread	Weight
377-8981	2-1/2" NST	3/4" G.H.	1.45 lbs.



FIP x Garden Hose Adapter

Used to connect garden hose to item 377-9001 (shown above). Solid brass construction.



Item №	Female Thread	Male Thread	Weight
151-1003	3/4" I.P.	3/4" G.H.	0.15 lbs.





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978

sales@jxtcompany.com

-www.trumbull-mfg.com

Fire Hydrant Nozzle Caps 2-1/2" Hose Nozzle Caps and 4-1/2" Steamer Nozzle Caps

Hose & Steamer Nozzle Caps are stocked with National Standard Threads (NST), and a 1-1/2" pentagon nut, painted yellow. For caps with special threads and operating nuts, contact Trumbull for lead times.

For other sizes of Steamer Nozzle Caps, such as 4" or 4-1/4", please inquire.



- NST threads* and 1-1/2" pentagon nut.**
- Includes gasket.

Item №	Product Description	Weight
392-0917	2-1/2" Hose Nozzle Cap	3.75 lbs.
392-0914	4-1/2" Steamer Nozzle Cap	8.10 lbs.

- * For special threads, provide thread drawing or sample cap.
- ** For nut sizes other than 1-1/2" pentagon, provide size and shape or sample cap.

Hydrant Nozzle Cap Chain

- Includes 10" of chain, swivel and "S"-hook.
- 392-0860 is purchased separately, and does not include Nozzle Cap.

Item №	Weight
392-0860	0.20 lbs.



Gaskets for Hydrant Nozzle Caps

Item №	Size	O.D.	I.D.
392-0923	2-1/2"	3-1/4"	1-1/2"
392-0920	4-1/2"	5-3/4"	3-1/4"





3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601 Sales 828-735-1978 Email sales@jxtcompany.com

-www.trumbull-mfg.com

Hydrant Valve Rubbers



^{*} Hydrant names are registered trademarks of American Darling/American Flow Control, McWane, Mueller or U.S. Pipe; Trumbull Manufacturing is not affiliated with these companies.



3850 Hendricks Road, Youngstown, Ohio 44515

www.trumbull-mfg.com



Tust because your hydrant is old and obsolete doesn't mean you can't find parts!

Trumbull Manufacturing is the original equipment manufacturer of

Ludlow, Corey And Rensselaer Hydrants

and has been making fire hydrant parts since 1990.

Trumbull Has Over 30 Years Experience

in the manufacturing of fire hydrant repair parts. Parts are available for many makes and models. Inquire for minimum quantities and availability of specific parts.



- AP Smith H200, H205
- Mueller Standard & Improved
- Kennedy 1080, 1280
- Darling Standard & B50B
- Ludlow, Corey & Rensselaer

Inquire about parts for

Other Makes and Models

















Trumbul

C

Fa

PI

In

Trumb



Trumbull Manufacturing

3850 Hendricks Road, Youngstown, Ohio 44515

Customer Service 828-477-4601

Sales 828-735-1978 Email sales@jxtcompany.com

See even more up-to-date information at ... **www.trumbull-mfg.com**