Trumbull Manufacturing

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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

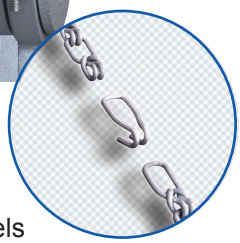
WELDED LINK MACHINE CHAIN
fits in pockets in the wheel.

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!

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

TRS Series Connecting Links

for pocket-type Chainwheels

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

Single-Loop Chain

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

Welded Link Machine Chain

calibrated specifically for our pocket-type Chainwheels

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

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DUCTILE IRON CHAINWHEELS

Used to Operate Overhead Valves from the Floor

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.



CHAINWHEEL OPERATION ILLUSTRATED.

Ordering Instructions

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 Size	Galvanized		316 Stainless	
	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.	----	----

Item №	*Size No.*	*Diameter*	*Boxed Weight*	*Handwheel OD Range Chainwheel will Fit*	*Chain Size*	Galvanized Chain *Item №*	Stainless Chain *Item №*	Chain Length (2X drop) 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	**367-1894**	**367-1897**	1 ft.
367-1875	TR-1.5	7-1/2″	8.75 lbs.	6″ to 7-1/2″	1/0			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	**367-1895**	**367-1898**	1-1/2 ft.
367-1878	TR-3.0	15-1/2″	21.60 lbs.	12-3/4″ to 15-1/2″	4/0			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	**367-1896**	**367-1901**	3 ft.
367-1881	TR-4.5	26″	49.00 lbs.	22-1/2″ to 26″	5/0			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.**



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ALUMINUM CHAINWHEELS

Used to Operate Overhead Valves from the Floor

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.



Item №	Size No.	Diameter	Boxed Weight	Handwheel OD Range Chainwheel will Fit	Chain Size	Galvanized Chain Item №	Stainless Chain Item №	Chain Length (2X drop) 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	367-1894	367-1897	1 ft.
367-2022	TRA-1.5	7-1/2″	4.15 lbs.	6″ to 7-1/2″	1/0			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	367-1895	367-1898	1-1/2 ft.
367-2025	TRA-3.0	15-1/2″	10.40 lbs.	12-3/4″ to 15-1/2″	4/0			2 ft.
367-2026	TRA-3.5	19″	13.30 lbs.	15-3/4″ to 19″	4/0			2-1/2 ft.

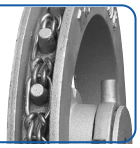
When ordering, indicate the Chainwheel and chain size numbers and the number of feet of chain required. Chain is provided in continuous lengths and easily cut in the field to exact length needed. Closing the loop is simple with Connecting Links (shown on right), see page G-63 for more info.

Connecting Links



Chain Size	Galvanized Item №	Galvanized Weight	316 Stainless Item №	316 Stainless 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.	----	----

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



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316 STAINLESS STEEL CHAINWHEELS

Used to Operate Overhead Valves from the Floor



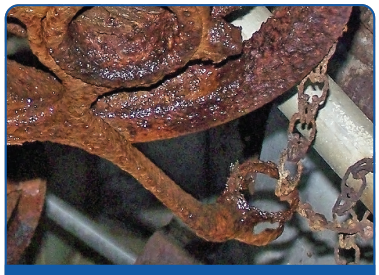
USED TO OPERATE OVERHEAD VALVES FROM THE FLOOR.

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.



CORRODED CI CHAINWHEEL SHOWS ADVANTAGE OF STAINLESS STEEL.

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.



Description	*Item №*	*Weight*
316L SS Machine Chain	**367-1815**	0.35 lbs./ft.
SS Connecting Link	**367-1816**	0.05 lbs.

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.

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CARBON STEEL CHAINWHEELS

Used to Operate Overhead Valves from the Floor

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.



Finished with e-coating.

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)*
367-1829	TRCS-6PD*	5-7/8”	8.50 lbs.	2-1/8” I.D. to 6-1/4” O.D.	0.850	Plus 1 ft.
367-1832	TRCS-8PB	8”	14.35 lbs.	7-1/2” O.D. to 10-1/2” O.D.	1.500	Plus 1-1/2 ft.
367-1844	TRCS-12PB	11-5/8”	18.65 lbs.	8-1/2” O.D. to 13-1/2” O.D.	1.500	Plus 1-1/2 ft.
367-1849	TRCS-15PB	15-3/16”	24.75 lbs.	9-1/2” O.D. to 17-1/2” O.D.	1.500	Plus 2 ft.
367-1859	TRCS-22PB	22-1/4”	34.80 lbs.	13” O.D. to 25” O.D.	1.500	Plus 3 ft.
367-1869	TRCS-29PB	29-1/4”	45.05 lbs.	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.



Description	*Item №*	*Weight*
Plated CS Machine Chain	**367-1818**	0.35 lbs./ft.
316L SS Machine Chain	**367-1815**	0.35 lbs./ft.
SS Connecting Link	**367-1816**	0.05 lbs.

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.



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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	“A” 367-1810		“B” 367-1811	“C” 367-1812				“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	Small	Medium	Large & X-Large see NOTE below
MIN/MAX BORE DIA.	3/8” to 7/8”	1/2” to 1-3/8”	1/2” to 1-3/8” (Large); 1/2” to 2-1/8” (X-Large)

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

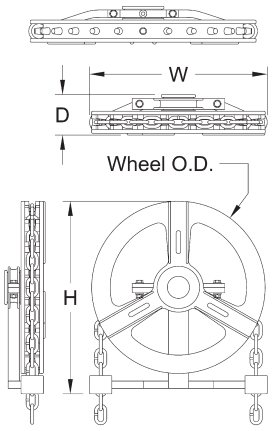
STAINLESS STEEL	TRS-4	TRS-6	TRS-8	TRS-12	TRS-15	TRS-22	TRS-29
TRUMBULL ITEM NUMBER	367-1825	367-1830	367-1833	367-1845	367-1850	367-1860	367-1870
BOXED WEIGHT (LBS.)	4.8	8.7	14.4	19.8	23.9	34.5	48.0

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	“B” Attachment Set (367-1808) provided as standard. Ranges can be expanded by optional sets “A” & “C” (see page G-55).				
"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	Small	Large
MIN/MAX BORE DIA.	3/8” to 7/8”	3/4” to 1-3/8”

Dimensions

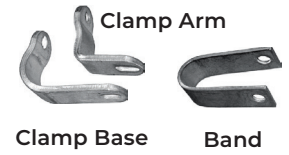
For both sprocket-type above and the pocket-type Chainwheels at left.



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CLAMPING HARDWARE

Attachment sets and discs used to mount Chainwheels to handwheel



Clamping Disc Hardware

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. Rangers

Size	"A" Attachment Set Min. O.D.	"A" Attachment Set Max. O.D.	"B" Attachment Set Min. O.D.	"B" Attachment Set Max. O.D.	"C" Attachment Set Min. O.D.	"C" Attachment Set Max. O.D.
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"

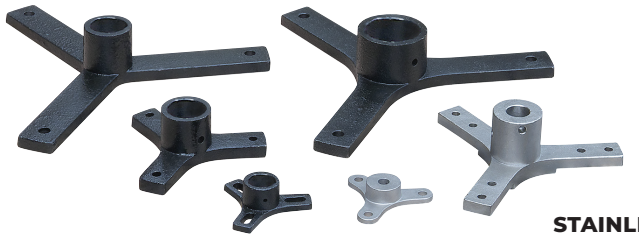
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"STAR ADAPTERS"

Direct Mounting of Chainwheels

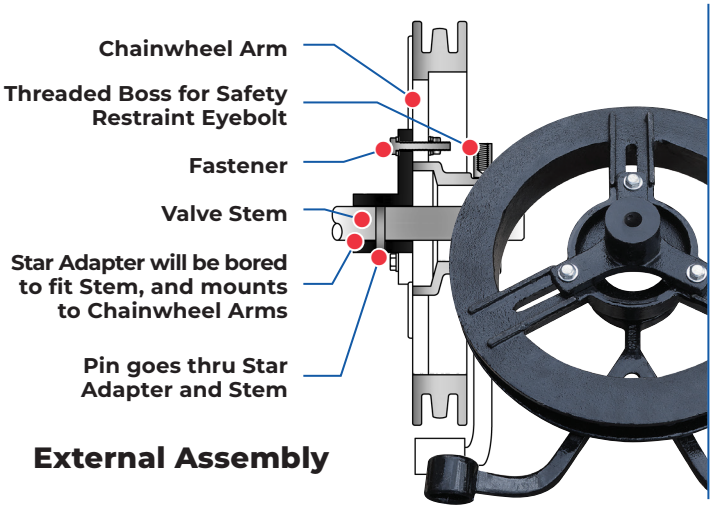
Star Adapters are available for direct mounting of Chainwheels to valve, gear box, or actuator stem.

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.

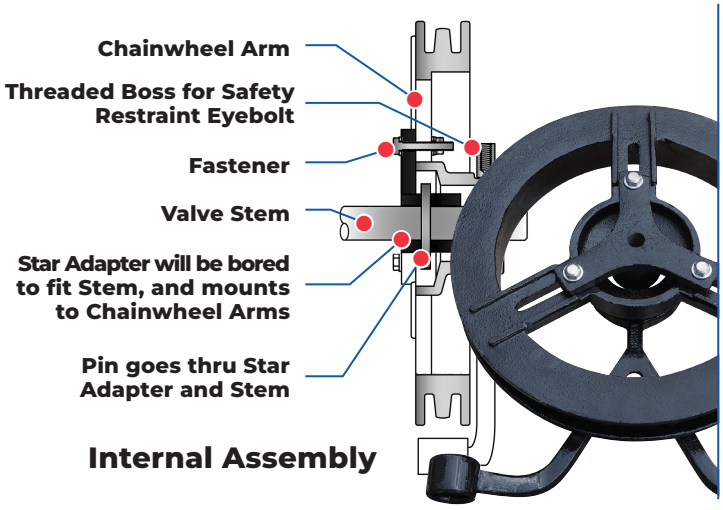


DUCTILE IRON STAR ADAPTERS

STAINLESS STEEL STAR ADAPTERS



External Assembly



Internal Assembly

Ductile Iron "Star Adapters" for Sprocket-Type Chainwheels

CHAINWHEEL	Size 0.0	Size 1.0	Size 1.5	Size 2.0	Size 2.5	Size 3.0	Size 3.5	Size 4.0	Size 4.5	Size 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	Size 12	Size 15	Size 22	Size 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"		

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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.

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

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

Chain Size	Galvanized		316 Stainless Steel	
	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.	----	----



1 Cut chain to desired length. Cut and remove excess link pieces.



2 Install connecting link by inserting looped end of chain into the open end of connecting link.



3 Slide the chain to the back side of connecting link as shown.



4 Lay opposite end of chain onto the connecting link.



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

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"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.



CHAIN FROM OVERHEAD CHAINWHEEL SHOWN IN PATHWAY.



"CHAIN-UP" DEVICE STORES THE CHAIN ABOVE PATHWAY.



WATER DRAINS prevent water from building up inside

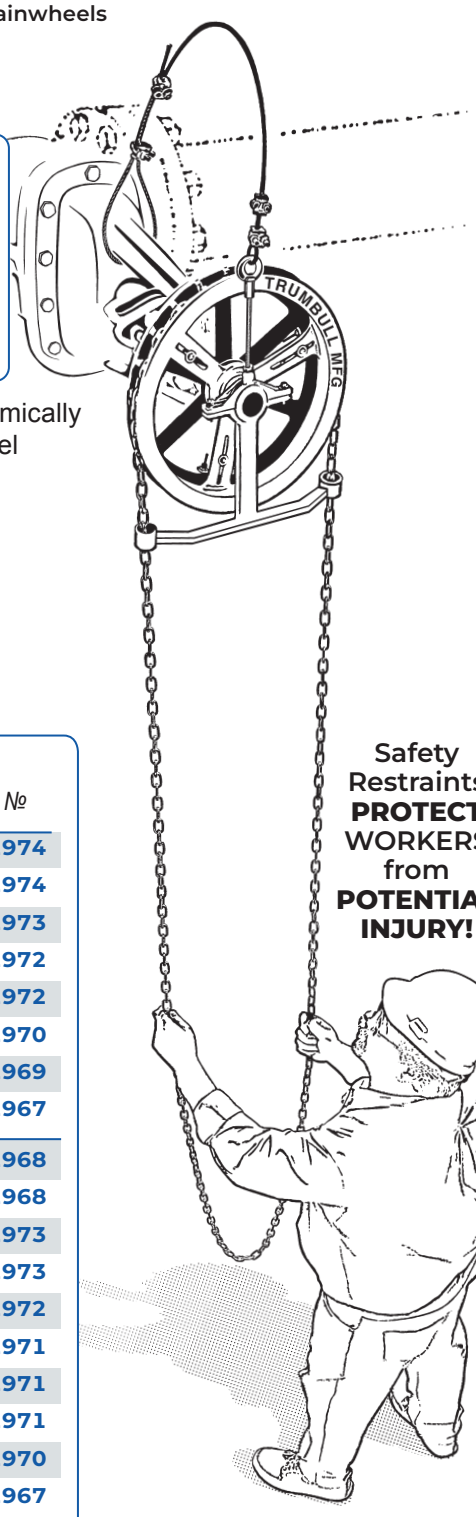
Item №	*Overall Length*	*Weight*
367-1890	11-3/4"	0.55 lbs.

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

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SECONDARY SAFETY RESTRAINT

Safety Device System used with Trumbull Chainwheels



ALERT!

PREVENT SERIOUS INJURIES: KEEP YOUR CHAINWHEEL SECURE!

If a Chainwheel is properly installed, maintained and inspected, it should never separate from the valve and fall to the ground. Although the likelihood of a Chainwheel falling is small. . . the result could be a serious injury, or even a fatality.

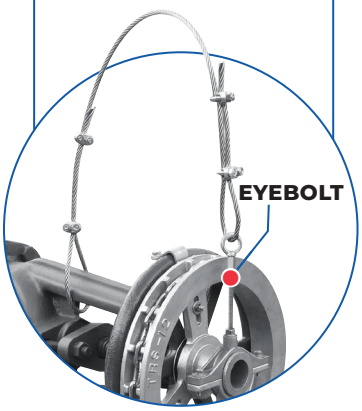
Secondary Safety Restraints, also called “Safety Cable Kits”, can be economically added to the Chainwheel installation. One end is attached to the Chainwheel and the other to a permanent part of the valve or an adjacent pipe.

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

1 ORDER KIT

Item №
367-1975

Kit is furnished with 5 feet of safety cable and 4 cable clamps. Eyebolts must be ordered separately, see chart on right...



2 SELECT EYEBOLT

	Chainwheel Model №		*Eyebolt Length*	*Item №*
STAINLESS STEEL	TRS-4	----	1”	**367-1974**
	TRS-6	TRCS-6	1”	**367-1974**
	TRS-8	TRCS-8	3”	**367-1973**
	TRS-12	TRCS-12	6”	**367-1972**
	TRS-15	TRCS-15	6”	**367-1972**
	TRS-22	TRCS-22	13”	**367-1970**
	TRS-29B	TRCS-29B	16”	**367-1969**
	TRS-29C	TRCS-29C	18”	**367-1967**
DUCTILE IRON	TR-0.0	TRA-0.0	2”	**367-1968**
	TR-1.0	TRA-1.0	2”	**367-1968**
	TR-1.5	TRA-1.5	3”	**367-1973**
	TR-2.0	TRA-2.0	3”	**367-1973**
	TR-2.5	TRA-2.5	6”	**367-1972**
	TR-3.0	TRA-3.0	9”	**367-1971**
	TR-3.5	TRA-3.5	9”	**367-1971**
	TR-4.0	----	9”	**367-1971**
	TR-4.5	----	13”	**367-1970**
	TR-5.0	----	18”	**367-1967**

Safety Restraints **PROTECT** WORKERS from **POTENTIAL INJURY!**

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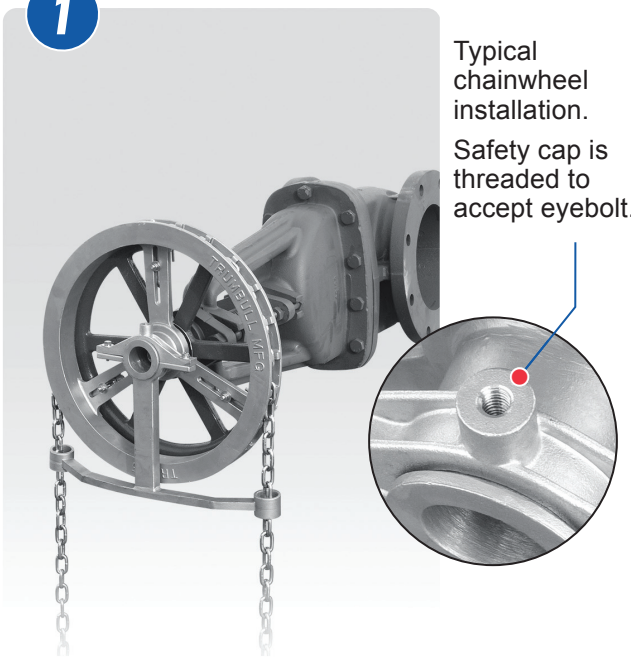
INSTALLATION OF SAFETY RESTRAINTS

INSTRUCTIONS

INSTALLATION IS EASY,
JUST FOLLOW THESE FOUR STEPS . . .

1 2 3 4

1



Typical chainwheel installation.

Safety cap is threaded to accept eyebolt.

2



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

3



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.

4



Loop other end of cable around a secure object.

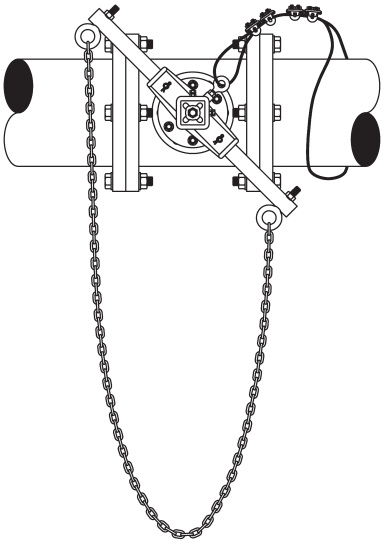
Cable can be attached to yoke of valve or an adjacent pipe.

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

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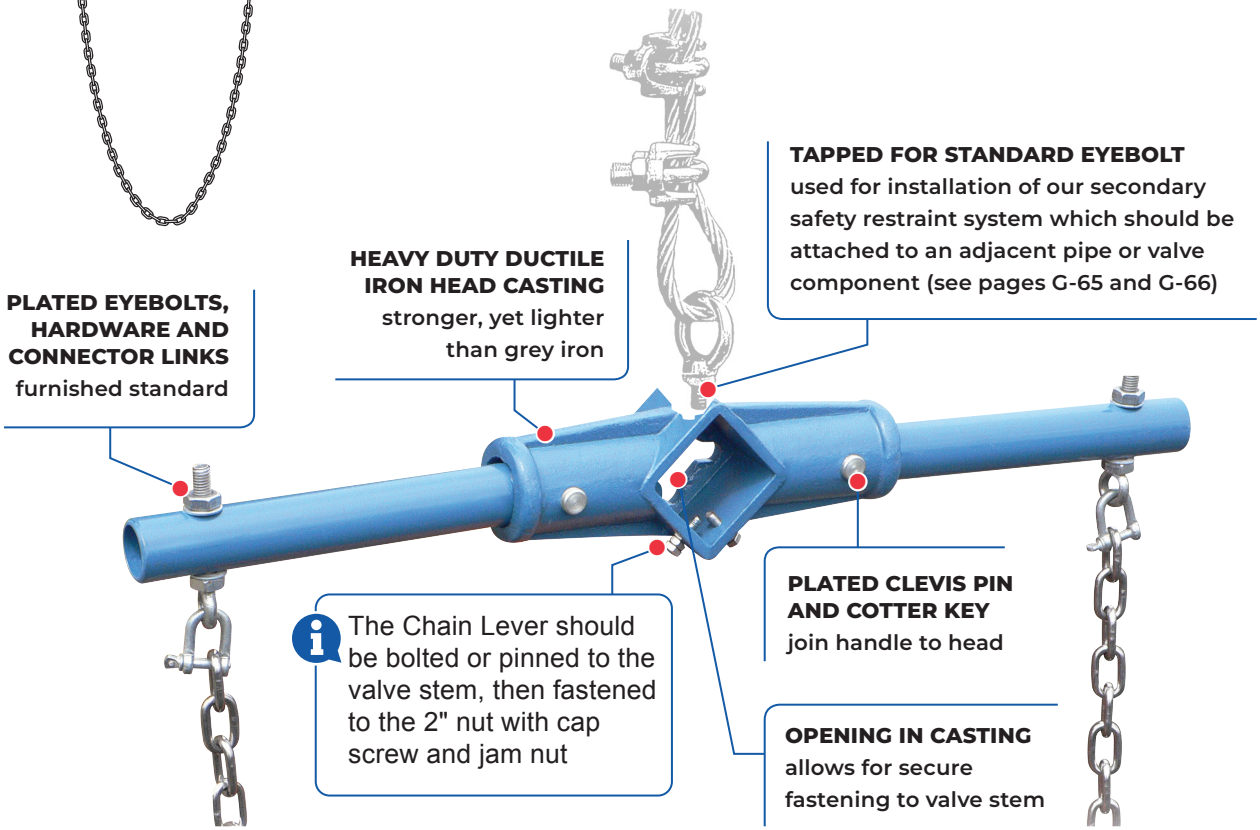
CHAIN LEVER

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.



Chain Lever

Includes handles and hardware.

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

Chain Lever Accessories

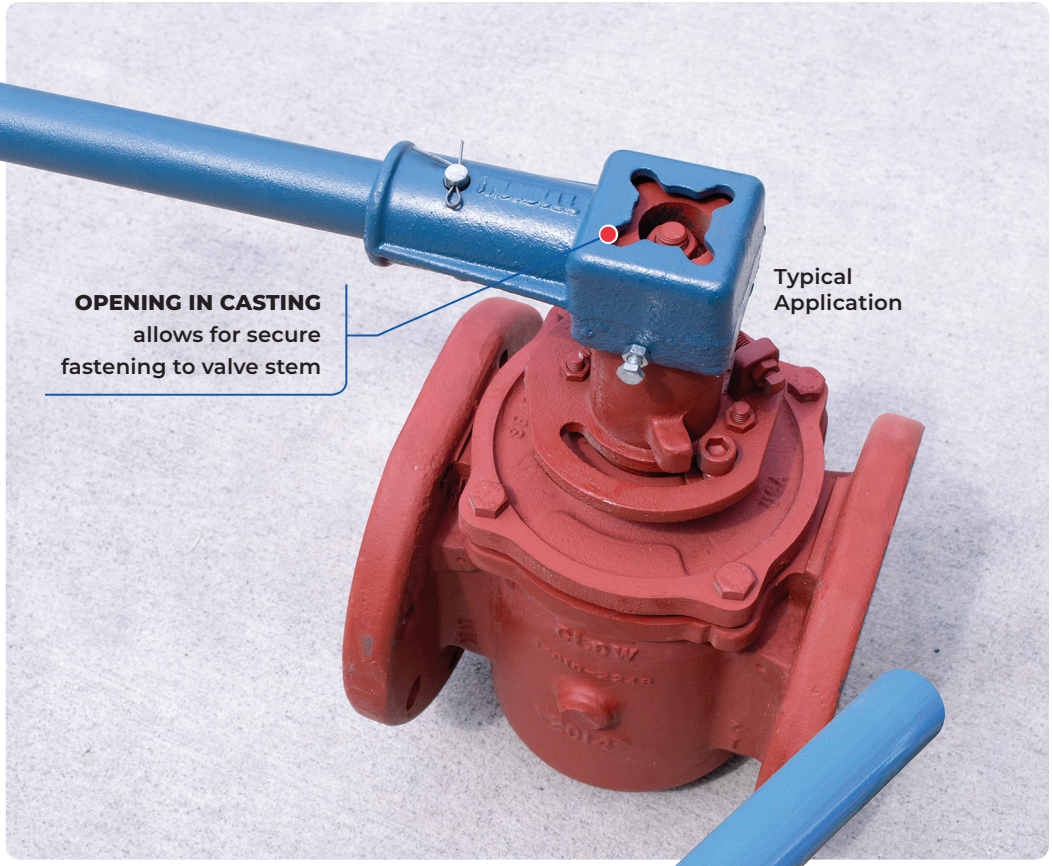
For machine chain, order specific length required.

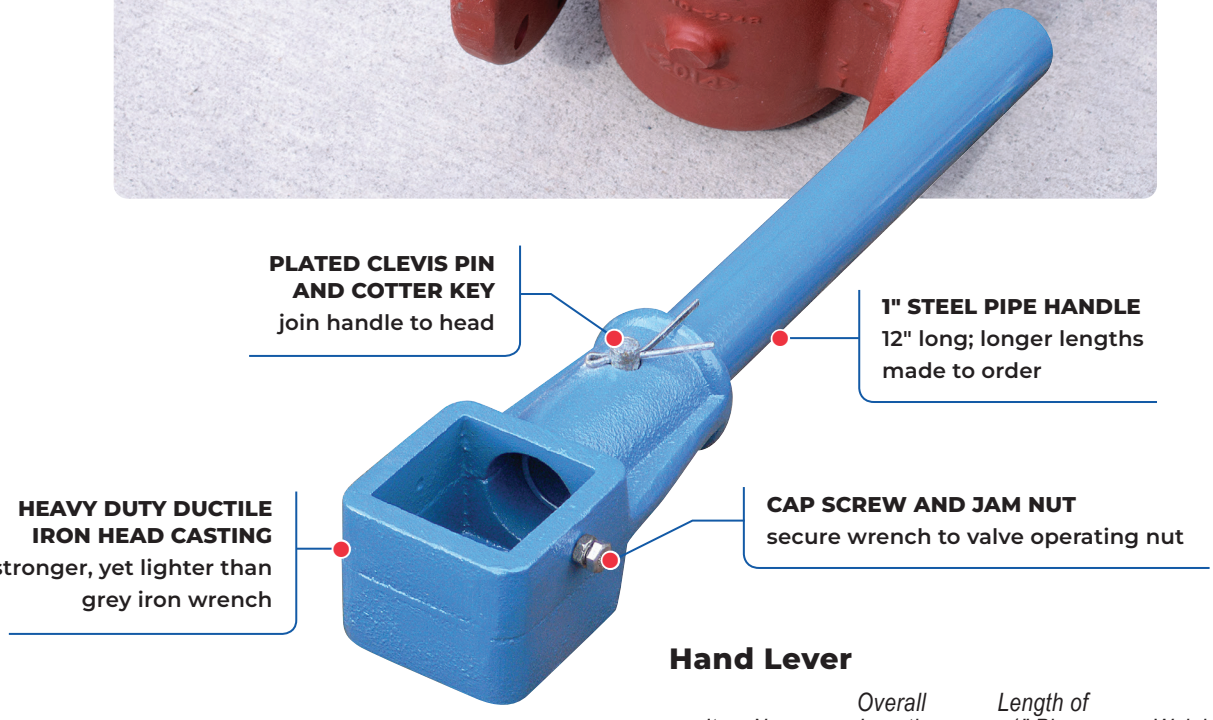
Description	Item №	Weight
Machine Chain, straight link, size 2/0	172-1219	0.32 lbs./ft.
Secondary Safety Restraint Kit, less eyebolt	367-1975	1.25 lbs.
Eyebolt, for Secondary Safety Restraint Kit	367-1974	0.25 lbs.

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HAND LEVER

For Use with Quarter-Turn, Above Ground Valves





Hand Lever

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

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