

# **TRUMBULL**

## **CHAINWHEELS** & ACCESSORIES

TO OPERATE OVERHEAD VALVES

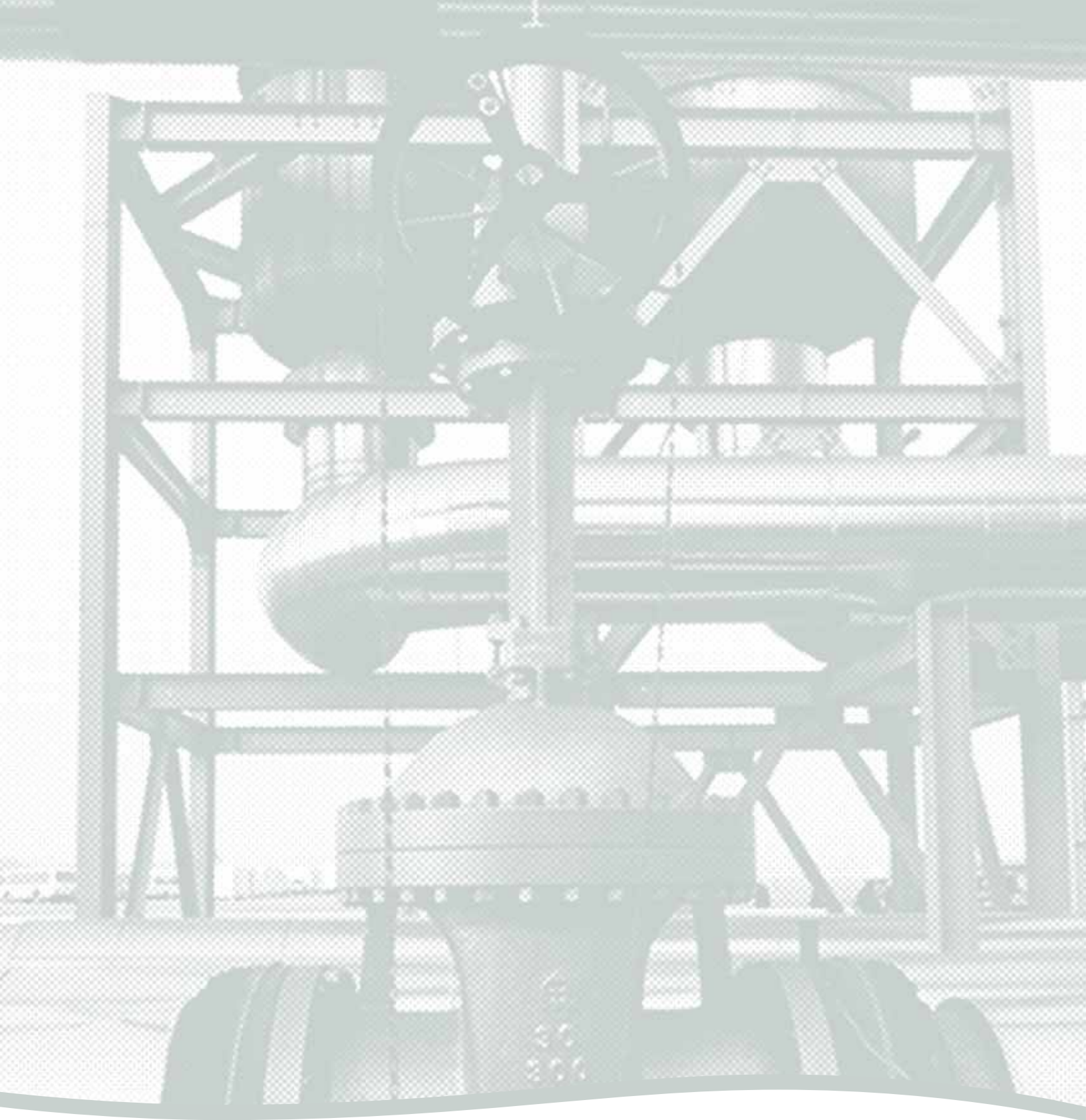


DUCTILE IRON

STAINLESS STEEL

ALUMINUM

CARBON STEEL



# CHAINWHEELS

## Ductile Iron Chainwheels

*Sprocket-Type, for use with Single Loop Cut Chain*

*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 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 10. 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 13 and 14). All Trumbull Chainwheels are furnished with a threaded boss for the addition of our Safety Restraint System.

Trumbull Item No.	Size No.	Diameter	Boxed Weight	Handwheel OD Range Chainwheel will Fit	Chain Size	Galvanized Chain	Stainless Chain	Chain Length (2X drop) plus...
						Trumbull Item No.	Trumbull Item No.	
<b>367-1873</b>	TR-0.0	102 mm	1.02 kg	51 mm to 102 mm	#2	<b>172-1650</b>	----	0.30 m
<b>367-1874</b>	TR-1.0	152 mm	2.45 kg	108 mm to 146 mm	1/0	<b>367-1894</b>	<b>367-1897</b>	0.30 m
<b>367-1875</b>	TR-1.5	190 mm	3.97 kg	152 mm to 190 mm	1/0	<b>367-1894</b>	<b>367-1897</b>	0.30 m
<b>367-1876</b>	TR-2.0	229 mm	6.08 kg	197 mm to 229 mm	1/0	<b>367-1894</b>	<b>367-1897</b>	0.46 m
<b>367-1877</b>	TR-2.5	317 mm	7.71 kg	235 mm to 317 mm	4/0	<b>367-1895</b>	<b>367-1898</b>	0.46 m
<b>367-1878</b>	TR-3.0	394 mm	9.80 kg	324 mm to 394 mm	4/0	<b>367-1895</b>	<b>367-1898</b>	0.61 m
<b>367-1879</b>	TR-3.5	483 mm	13.99 kg	400 mm to 483 mm	4/0	<b>367-1895</b>	<b>367-1898</b>	0.76 m
<b>367-1880</b>	TR-4.0	559 mm	19.39 kg	489 mm to 559 mm	5/0	<b>367-1896</b>	<b>367-1901</b>	0.91 m
<b>367-1881</b>	TR-4.5	660 mm	22.23 kg	571 mm to 660 mm	5/0	<b>367-1896</b>	<b>367-1901</b>	1.07 m
<b>367-1882</b>	TR-5.0	762 mm	28.76 kg	571 mm to 914 mm	5/0	<b>367-1896</b>	<b>367-1901</b>	1.22 m

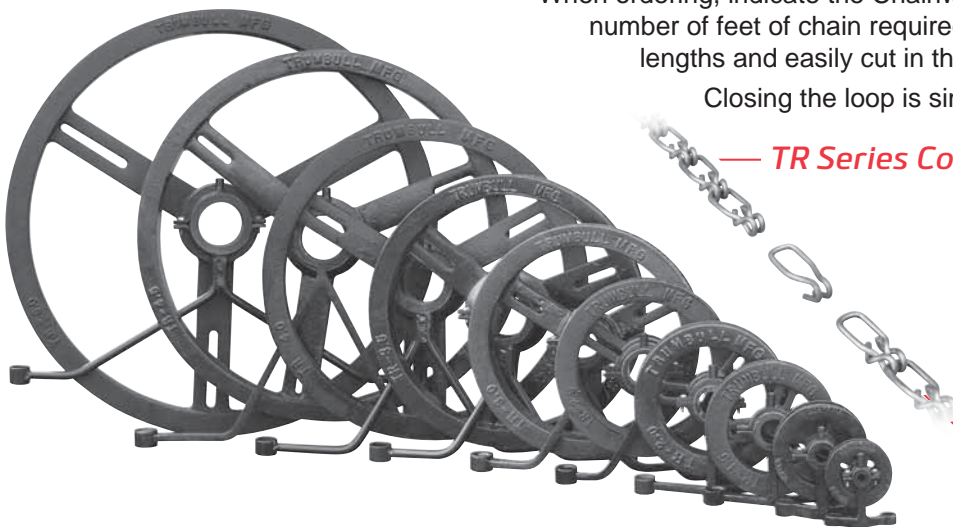
When ordering, indicate the Chainwheel and chain size numbers and the number of feet of chain required. Chain is provided in continuous lengths and easily cut in the field to exact length needed.

Closing the loop is simple with Connecting Links . . .

### — TR Series Connecting Links —

Chain Size	Galv.	Stainless
	Trumbull Item No.	Trumbull Item No.
1/0	<b>367-1994</b>	<b>367-1997</b>
4/0	<b>367-1995</b>	<b>367-1998</b>
5/0	<b>367-1996</b>	----

See page 11 for more information about our Connecting Links.



**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 7 for Chainwheel dimensions.

## Aluminum Chainwheels

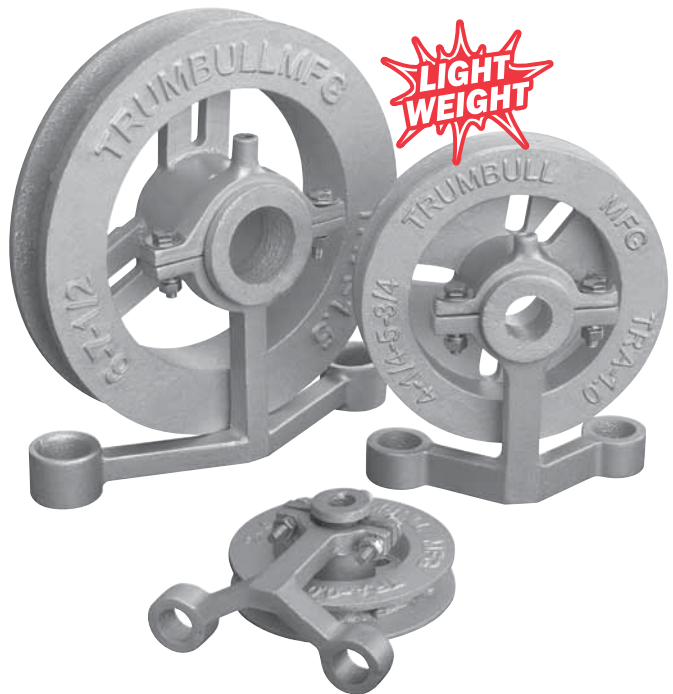
*Sprocket-Type, for use with Single Loop Cut Chain*  
*Used to operate overhead valves from the floor.*

**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.

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 10. 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 13 and 14 for more information). All Trumbull Chainwheels are furnished with a threaded boss for the addition of our Safety Restraint System.



Trumbull Item No.	Size No.	Diameter	Boxed Weight	Handwheel OD Range Chainwheel will Fit	Chain Size	Galvanized Chain	Stainless Chain	Chain Length (2X drop) plus...
						Trumbull Item No.	Trumbull Item No.	
<b>367-2020</b>	TRA-0.0	102 mm	0.48 kg	51 mm to 102 mm	#2	<b>172-1650</b>	----	0.30 m
<b>367-2021</b>	TRA-1.0	152 mm	1.20 kg	108 mm to 146 mm	1/0	<b>367-1894</b>	<b>367-1897</b>	0.30 m
<b>367-2022</b>	TRA-1.5	190 mm	1.88 kg	152 mm to 190 mm	1/0	<b>367-1894</b>	<b>367-1897</b>	0.30 m
<b>367-2023</b>	TRA-2.0	229 mm	2.40 kg	197 mm to 229 mm	1/0	<b>367-1894</b>	<b>367-1897</b>	0.46 m
<b>367-2024</b>	TRA-2.5	317 mm	3.58 kg	235 mm to 317 mm	4/0	<b>367-1895</b>	<b>367-1898</b>	0.46 m

### Ordering Info

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.

### TR Series Connecting Links

Chain Size	Galv.	Stainless
	Trumbull Item No.	Trumbull Item No.
1/0	<b>367-1994</b>	<b>367-1997</b>
4/0	<b>367-1995</b>	<b>367-1998</b>
5/0	<b>367-1996</b>	----

See page 11 for more info.



**Note** 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 7 for Chainwheel dimensions.

## Stainless Steel Chainwheels

Type 316 Pocket-Type, for Trumbull 316L Welded Link Machine Chain



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 10. 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.

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

To prevent serious injury, we recommend the use of our Secondary Safety Restraint System (see pages 13 and 14). Furnished with a threaded boss for the addition of Safety Restraint System.



**CORRODED CI CHAINWHEEL** shows advantage of stainless

Trumbull Item No.	Size No.	Diameter	Boxed Weight	Handwheel Range Chainwheel will Fit**	Bore*** Diameter	Chain Length (2X Drop)
<b>367-1825</b>	TRS-4D*	105 mm	2.15 kg	38 mm I.D. to 114 mm O.D.	12.7 mm	Plus 0.30 m
<b>367-1830</b>	TRS-6D*	149 mm	3.92 kg	54 mm I.D. to 159 mm O.D.	21.6 mm	Plus 0.30 m
<b>367-1833</b>	TRS-8B	203 mm	6.53 kg	190 mm O.D. to 267 mm O.D.	38.1 mm	Plus 0.46 m
<b>367-1845</b>	TRS-12B	295 mm	8.98 kg	216 mm O.D. to 343 mm O.D.	38.1 mm	Plus 0.46 m
<b>367-1850</b>	TRS-15B	386 mm	10.84 kg	241 mm O.D. to 444 mm O.D.	38.1 mm	Plus 0.61 m
<b>367-1860</b>	TRS-22B	565 mm	15.63 kg	330 mm O.D. to 635 mm O.D.	38.1 mm	Plus 0.91 m
<b>367-1870</b>	TRS-29B	743 mm	21.77 kg	451 mm O.D. to 813 mm O.D.	38.1 mm	Plus 1.22 m
<b>367-1871</b>	TRS-29C	743 mm	21.77 kg	571 mm O.D. to 940 mm O.D.	38.1 mm	Plus 1.22 m

\* D suffix denotes "Disc", used in lieu of standard clamping hardware; see page 9 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 on page 9). Consult your 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.

### Machine Chain



Description	Trumbull Item No.
316L SS Machine Chain	<b>367-1815</b>
SS Connecting Link	<b>367-1816</b>



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 7 for Chainwheel dimensions.

## Carbon Steel Chainwheels

*Pocket-Type, for Trumbull 316L Welded Link Machine Chain*

*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 10. 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.

Carbon Steel Chainwheels are finished with e-coating.

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

To prevent serious injury, we recommend the use of our Secondary Safety Restraint System (see pages 13 and 14). All Trumbull Chainwheels are furnished with a threaded boss for the addition of our Safety Restraint System.



Trumbull Item No.	Size No.	Diameter	Boxed Weight	Handwheel Range Chainwheel will Fit**	Bore*** Diameter	Chain Length (2X drop)
<b>367-1829</b>	TRCS-6PD*	149 mm	3.85 kg	54 mm I.D. to 159 mm O.D.	21.6 mm	Plus 0.30 m
<b>367-1832</b>	TRCS-8PB	203 mm	6.51 kg	190 mm O.D. to 267 mm O.D.	38.1 mm	Plus 0.46 m
<b>367-1844</b>	TRCS-12PB	295 mm	8.46 kg	216 mm O.D. to 343 mm O.D.	38.1 mm	Plus 0.46 m
<b>367-1849</b>	TRCS-15PB	386 mm	11.23 kg	241 mm O.D. to 444 mm O.D.	38.1 mm	Plus 0.61 m
<b>367-1859</b>	TRCS-22PB	565 mm	15.78 kg	330 mm O.D. to 635 mm O.D.	38.1 mm	Plus 0.91 m
<b>367-1869</b>	TRCS-29PB	743 mm	20.43 kg	451 mm O.D. to 813 mm O.D.	38.1 mm	Plus 1.22 m

\* D suffix denotes "Disc", used in lieu of standard clamping hardware; see page 9 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 on page 9). Consult your 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.

### Machine Chain & Connecting Links

Order length of chain required.

Description

Trumbull Item No.

Plated Carbon Steel Machine Chain **367-1818**

316L Stainless Steel Machine Chain **367-1815**

Stainless Steel Connecting Link **367-1816**

**Note** 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 7 for Chainwheel dimensions.

## 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 (kg)	1.02	2.45	3.97	6.08	7.71	9.80	13.99	19.39	22.23	28.76

Aluminum	TRA-0.0	TRA-1.0	TRA-1.5	TRA-2.0	TRA-2.5	----	----	----	----	----
Trumbull Item Number	367-2020	367-2021	367-2022	367-2023	367-2024	----	----	----	----	----
Boxed Weight (kg)	0.48	1.20	1.88	2.40	3.58	----	----	----	----	----

Chainwheel O.D.	102 mm	152 mm	190 mm	229 mm	317 mm	394 mm	483 mm	559 mm	660 mm	762 mm
Chainwheel Assembly Fits Handwheel O.D. Range	51 mm - 102 mm	108 mm - 146 mm	152 mm - 190 mm	197 mm - 229 mm	235 mm - 317 mm	324 mm - 394 mm	400 mm - 483 mm	489 mm - 559 mm	571 mm - 660 mm	571 mm - 914 mm
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)	48 mm	60 mm	63 mm	63 mm	65 mm	65 mm	65 mm	67 mm	67 mm	84 mm
"H" (Overall Height)	127 mm	175 mm	222 mm	273 mm	321 mm	406 mm	483 mm	584 mm	686 mm	762 mm
"W" (Overall Width)	108 mm	138 mm	209 mm	241 mm	287 mm	392 mm	468 mm	575 mm	673 mm	759 mm

Star Adapter Size	Small		Medium			Large & X-Large see <b>NOTE</b> below				
Min/Max Bore Dia.	9 mm to 22 mm		13 mm to 35 mm			13 mm to 35 mm (Large); 13 mm to 54 mm (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 (kg)	----	3.85	6.51	8.46	11.23	15.78	20.43

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 (kg)	2.15	3.92	6.53	8.98	10.84	15.63	21.77

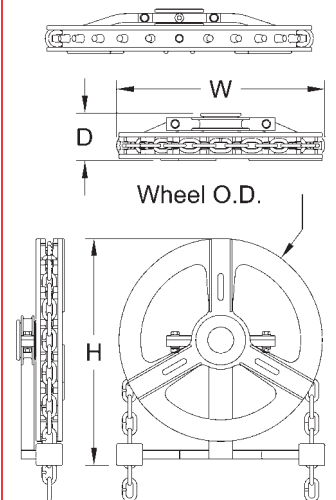
Chainwheel O.D.	105 mm	149 mm	203 mm	295 mm	386 mm	565 mm	743 mm
Chainwheel Assembly Fits Handwheel O.D. Range	38 mm - 114 mm	54 mm - 159 mm	190 mm - 267 mm	216 mm - 343 mm	241 mm - 444 mm	330 mm - 635 mm	451 mm - 813 mm
Attachment Set Size	Disk #4	Disk #6	"B" Attachment Set (367-1808) provided as standard. Ranges can be expanded by optional sets "A" & "C" (see page 9).				
"D" (Overall Depth)	60 mm	67 mm	70 mm	70 mm	70 mm	70 mm	73 mm
"H" (Overall Height)	159 mm	179 mm	229 mm	333 mm	413 mm	565 mm	743 mm
"W" (Overall Width)	117 mm	157 mm	214 mm	305 mm	397 mm	575 mm	749 mm

Star Adapter Size	Small		Large			
Min/Max Bore Dia.	9 mm to 22 mm		13 mm to 35 mm			

### Dimensions

For both sprocket-type and pocket-type Chainwheels.



## Chain & Connecting Links

For Trumbull Chainwheels

### Sprocket-Type Chainwheels

Ductile Iron & Aluminum

**SINGLE LOOP CHAIN**  
engages with the teeth in the wheel.

### Pocket-Type Chainwheels

Carbon Steel & Stainless Steel

**WELDED LINK MACHINE CHAIN**  
fits in pockets in the wheel. Smooth chain links  
provide more comfortable operation.

### Ordering Info

When ordering chain, 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...

### Single-Loop Chain

for sprocket-type Chainwheels

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

### Connecting Links

for sprocket-type Chainwheels

See page 11  
for installation  
instructions!

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

### Welded Link Machine Chain

Calibrated specifically for our  
pocket-type Chainwheels

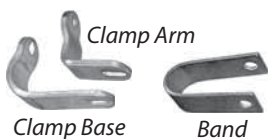
316L Stainless	Zinc Plated Carbon Steel
Trumbull Item No.	Trumbull Item No.
<b>367-1815</b>	<b>367-1818</b>

### TR Series Connecting Links

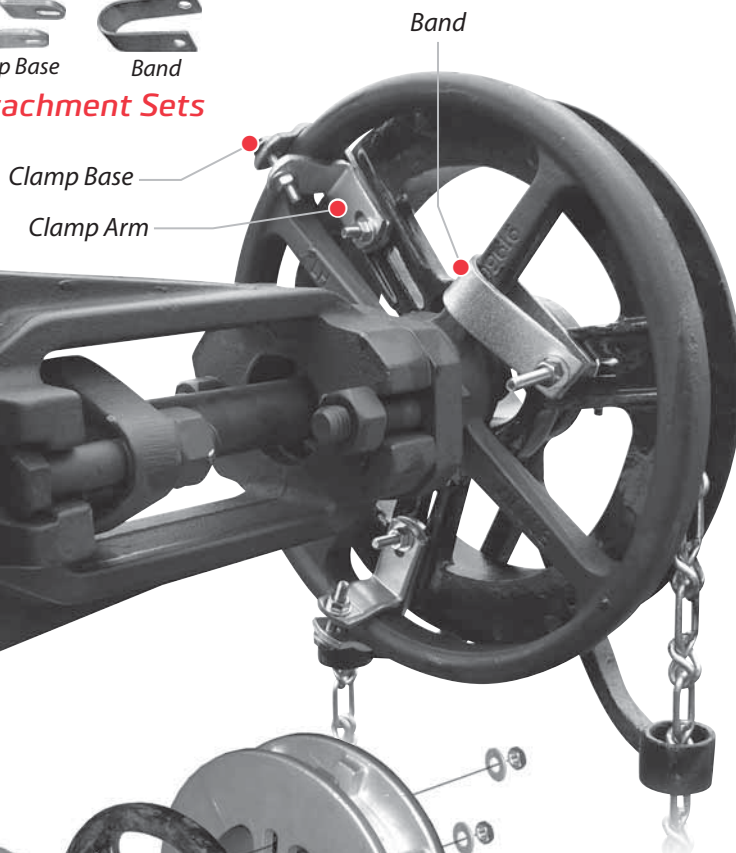
for pocket-type Chainwheels

316L Stainless	Zinc Plated Carbon Steel
Trumbull Item No.	Trumbull Item No.
<b>367-1816</b>	----

## Clamp-On Attachment Sets & Discs for Trumbull Chainwheels



**Attachment Sets**



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 & TR/A-1.0  
use Clamping Disc hardware

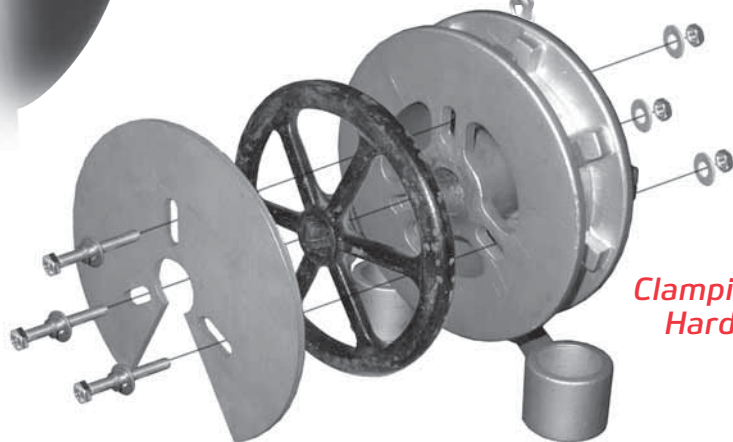
Sizes TR/A-1.5 to TR/A-2.5  
use two sets of Clamp Bases & Arms, plus one Band

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



**Clamping Disc Hardware**

### Pocket Handwheel O.D. Ranges

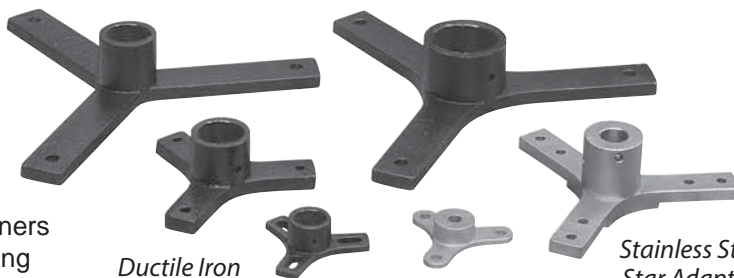
Size	"A" Attachment Set		"B" Attachment Set		"C" Attachment Set	
	Min. O.D.	Max. O.D.	Min. O.D.	Max. O.D.	Min. O.D.	Max. O.D.
TRS/CS-8	152 mm	203 mm	190 mm	267 mm	317 mm	394 mm
TRS/CS-12	178 mm	279 mm	216 mm	343 mm	336 mm	470 mm
TRS/CS-15	203 mm	381 mm	241 mm	444 mm	359 mm	584 mm
TRS/CS-22	279 mm	571 mm	330 mm	635 mm	444 mm	762 mm
TRS/CS-29	406 mm	737 mm	451 mm	813 mm	571 mm	940 mm

## Direct-Mount "Star Adapters"

For both Sprocket-Type & Pocket-Type Chainwheels

**STAR ADAPTERS** are available for direct mounting of Chainwheels to valve, gear box, or actuator stem.

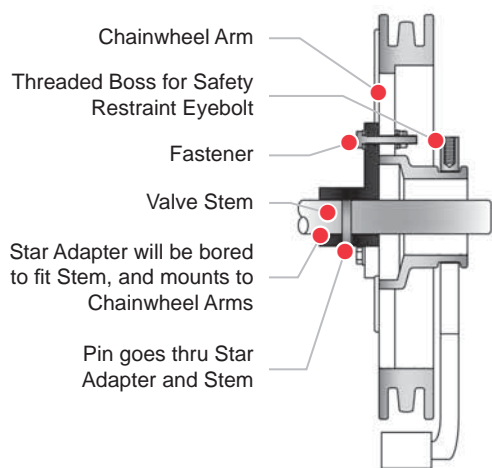
These adapters require pinning to the stem. Pilot holes are pre-drilled in the adapter for ease of installation on-site; the drilling of the stem is by customer. Star Adapters will be furnished with fasteners necessary to attach to Chainwheel, in lieu of clamping hardware normally furnished with Chainwheel.



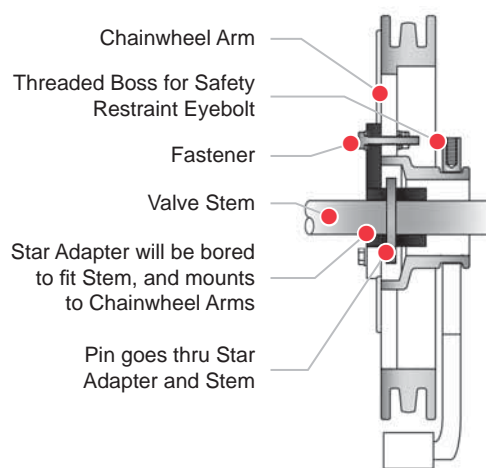
Ductile Iron Star Adapters

Stainless Steel Star Adapters

### External Assembly



### Internal Assembly



### Ductile Iron Star Adapter Dimensions - for Sprocket-Type Chainwheels

	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
<b>DI Star Adapter</b>	<b>S</b>	<b>S</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>L &amp; XL</b>	<b>L &amp; XL</b>	<b>L &amp; XL</b>	<b>L &amp; XL</b>	<b>L &amp; XL</b>
<b>Bore Size, standard</b>	9.5 mm		12.7 mm			12.7 mm				
<b>Hub O.D.</b>	28.6 mm		41.3 mm			L 41.3 mm / XL 60.3 mm				
<b>Optional Bore, max.</b>	22.2 mm		34.9 mm			L 34.9 mm / XL 54.0 mm				
<b>Hub Height</b>	19.0 mm		30.2 mm			38.1 mm				

### Stainless Steel Star Adapter Dimensions - for Pocket-Type Chainwheels

	Size 4	Size 6	Size 8	Size 12	Size 15	Size 22	Size 29
<b>SS Star Adapter</b>	<b>S</b>	<b>S</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>
<b>Bore Size, standard</b>	9.5 mm		19.0 mm				
<b>Hub O.D.</b>	27.0 mm		39.7 mm				
<b>Optional Bore, max.</b>	22.2 mm		35.0 mm				
<b>Hub Height</b>	12.7 mm		38.1 mm				

## 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 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.

Chain Size	Galvanized		316 Stainless Steel	
	Trumbull Item No.	Weight	Trumbull Item No.	Weight
1/0	<b>367-1994</b>	0.01 kg	<b>367-1997</b>	0.01 kg
4/0	<b>367-1995</b>	0.01 kg	<b>367-1998</b>	0.01 kg
5/0	<b>367-1996</b>	0.02 kg	----	----

Installation is **EASY**,  
just follow these five steps...

**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.

## "Chain-Up" Device

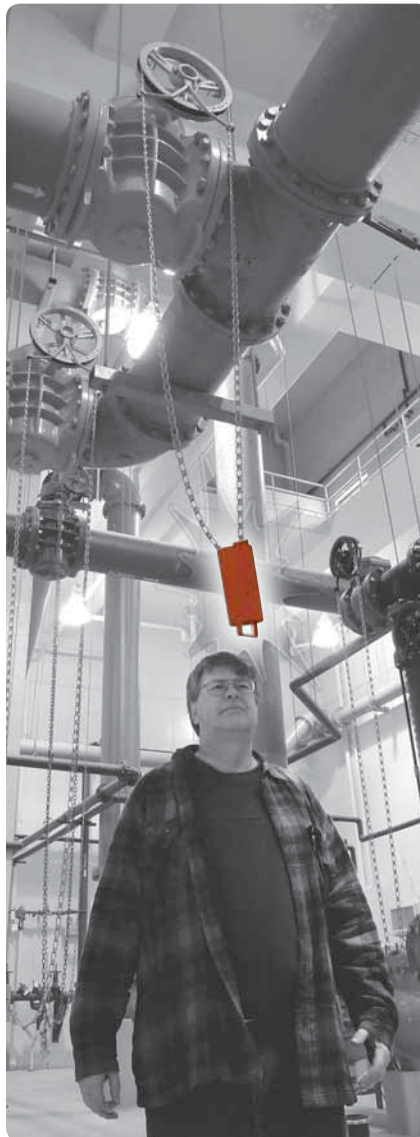
*Eliminates a Potential Safety Hazard Presented by Overhead Chains*

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

The "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. Furnished in Safety Orange. Made of high-strength thermoplastic polymer.



*Chain in pathway.*



**CHAIN-UP DEVICE**  
*stores the chain above pathway.*



<i>Trumbull Item No.</i>	<i>Overall Length</i>	<i>Weight</i>
<b>367-1890</b>	298 mm	0.25 kg

For additional Chainwheel safety, always use Trumbull's Chainwheel Safety Restraint System (see page 13 & 14 for more information).

Now You Can  
**PREVENT SERIOUS INJURY**  
With Our . . .

*Secondary*  
**Safety Restraint System**

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.

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.



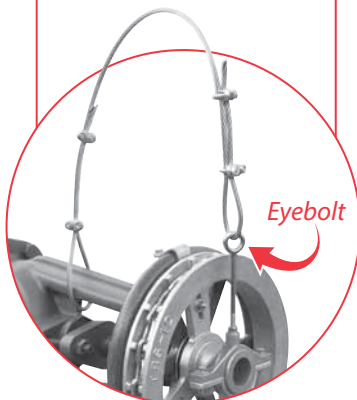
**Step 1** Order Kit

Trumbull  
Item No.

**367-1975**

Kit is furnished with  
1.52 m of safety cable  
and 4 cable clamps.

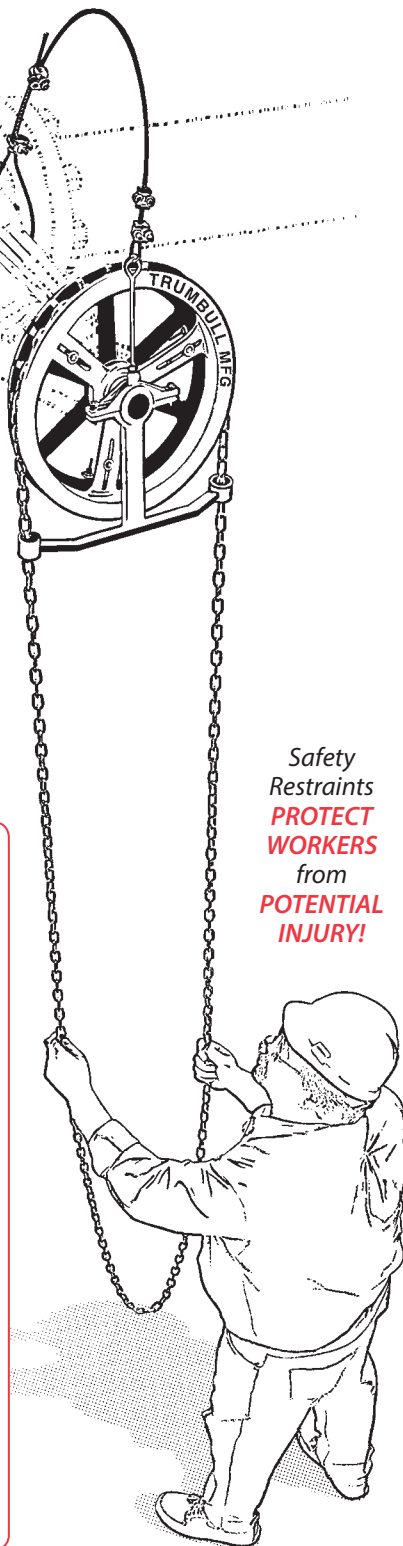
Eyebolts must be  
ordered separately,  
see chart on right...



**Step 2** Select Eyebolt

Chainwheel Model		Eyebolt Length	Trumbull Item No.
Stainless Steel	TRS-4	----	25 mm <b>367-1974</b>
	TRS-6	TRCS-6	25 mm <b>367-1974</b>
	TRS-8	TRCS-8	76 mm <b>367-1973</b>
	TRS-12	TRCS-12	152 mm <b>367-1972</b>
	TRS-15	TRCS-15	152 mm <b>367-1972</b>
	TRS-22	TRCS-22	330 mm <b>367-1970</b>
	TRS-29B	TRCS-29B	406 mm <b>367-1969</b>
	TRS-29C	TRCS-29C	483 mm <b>367-1967</b>
Ductile Iron	TR-0.0	TRA-0.0	51 mm <b>367-1968</b>
	TR-1.0	TRA-1.0	51 mm <b>367-1968</b>
	TR-1.5	TRA-1.5	76 mm <b>367-1973</b>
	TR-2.0	TRA-2.0	76 mm <b>367-1973</b>
	TR-2.5	TRA-2.5	152 mm <b>367-1972</b>
	TR-3.0	----	229 mm <b>367-1971</b>
	TR-3.5	----	229 mm <b>367-1971</b>
	TR-4.0	----	229 mm <b>367-1971</b>
	TR-4.5	----	330 mm <b>367-1970</b>
	TR-5.0	----	457 mm <b>367-1967</b>

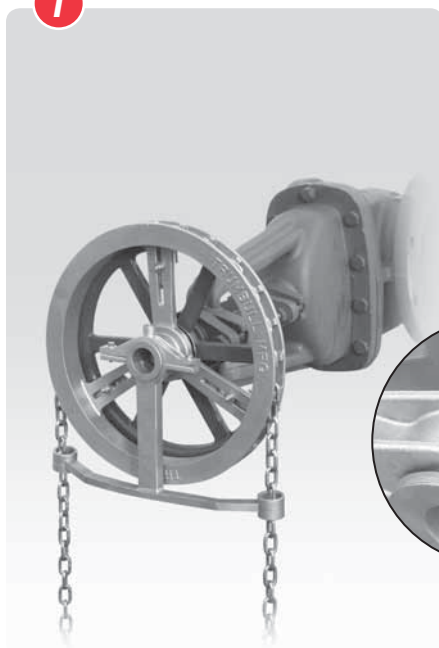
Safety  
Restraints  
**PROTECT**  
**WORKERS**  
from  
**POTENTIAL**  
**INJURY!**



Installing the Safety Restraint is as easy as . . .

# 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 152 mm excess. Install one cable clamp about 25 mm from end, and the second clamp as close to the eyebolt as possible.

**Note**

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

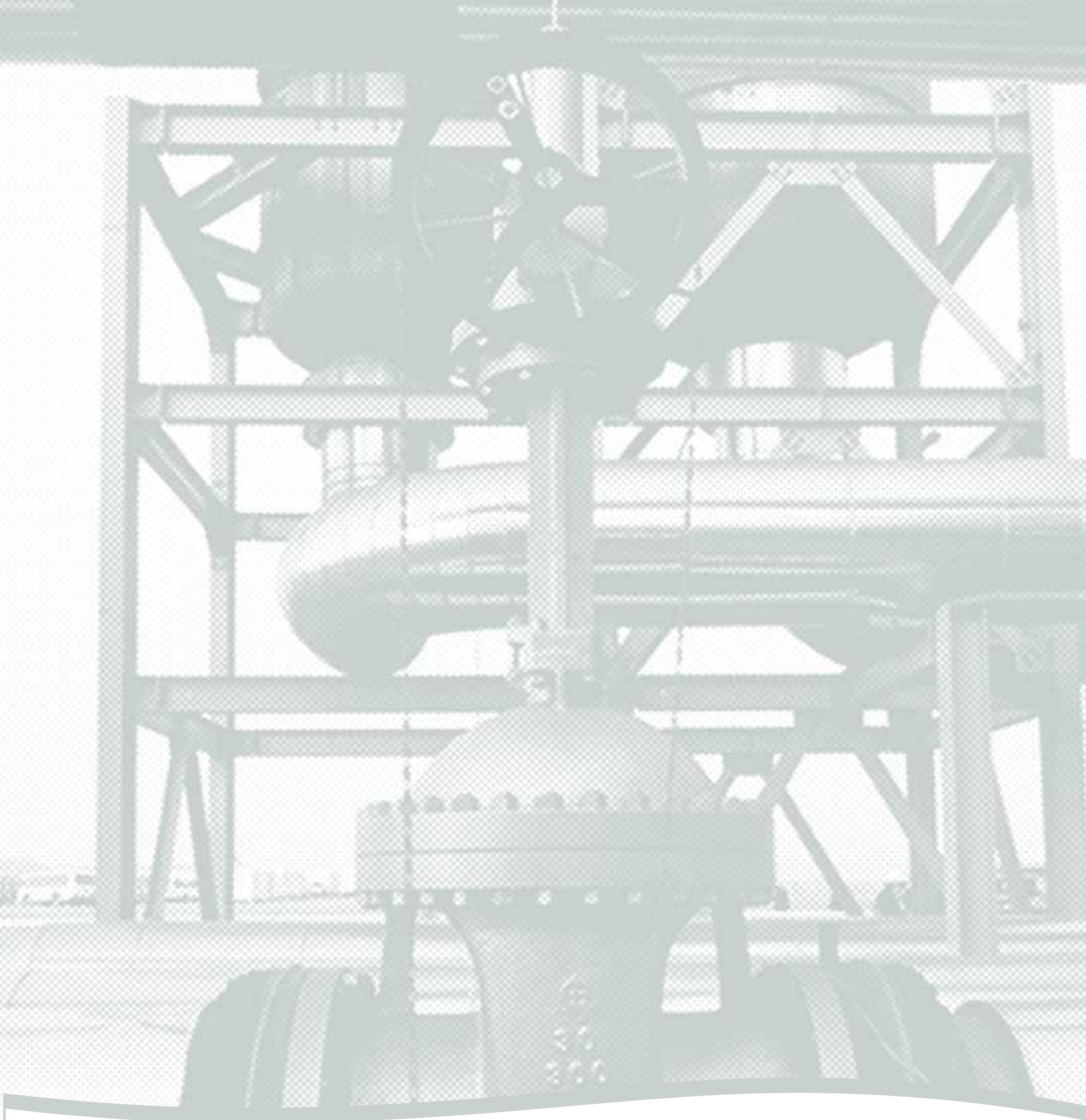
4



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

**Note**

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



# CHAINWHEELS

For Additional  
**TRUMBULL PRODUCTS**  
 Log on to [trumbull-mfg.com](http://trumbull-mfg.com) for more info!



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FLOORSTANDS



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CHAIN LEVERS



VALVE EXTENSION STEMS

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