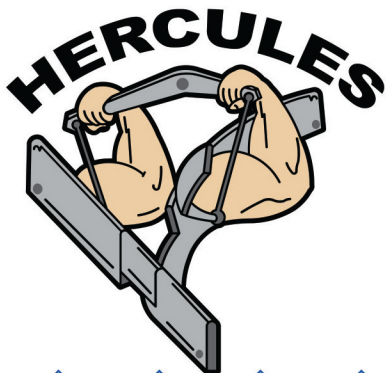


# 2015 OVERHEAD COMPONENTS CATALOG

STRONGER BY DESIGN



# Table Of Contents

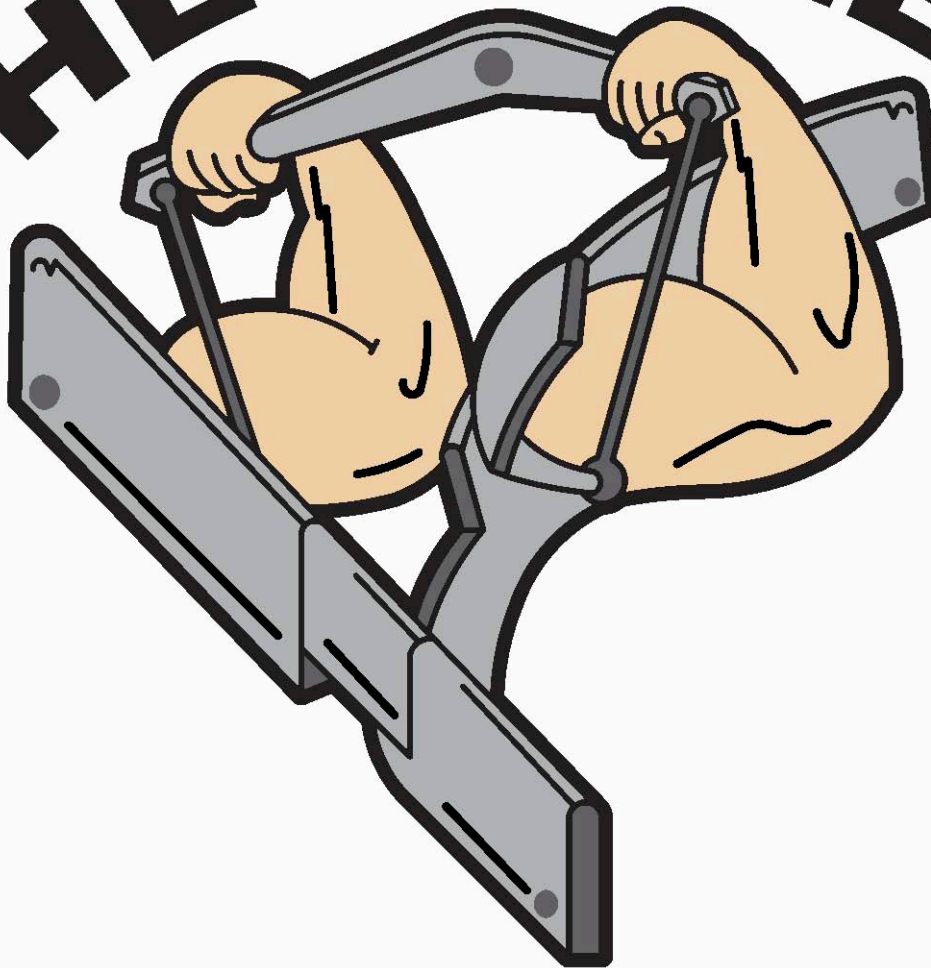
INTRODUCTION	I
WARRANTY INFORMATION	II
SAFETY INFORMATION	V
GENERAL INFORMATION	VII
MAINTENANCE	IX
IDFI TERMS AND CONDITIONS	X
HSM 614 MULTIPLANE CHAIN SECTION	HSM-1
348/458/678 ROLLER I BEAM ENGINEERED CHAIN SECTION	RIB-17
458/678 SLIDER ENGINEERED CHAIN SECTION	S-37
MEAT RAIL SECTION	R-51
HOOKS SECTION	H-59
WALKING BEAM SECTION	WB-65
SHEAR PINS SECTION	SH-69
OVERHEAD SUPPORT EQUIPMENT SECTION	OV-73
INDEXERS SECTION	I-83
LOWERATOR SECTION	L-95



# NOTES



# HERCULES



**"STRONGER BY DESIGN!"**

Our highly professional design, build, and installation team offers a unique opportunity for your business. We offer the latest in innovation and state-of-the-art Hercules® overhead equipment for both Roller I Beam, and Slider chain Systems.

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PHONE: 1-877-873-5858 FAX: 1-712-224-5604

# I

## WARRANTY INFORMATION

### LIMITED WARRANTY

IDFI is proud to provide you, our valued customer, with equipment that has been engineered and manufactured to meet and exceed your expectations for safe and efficient operation. We stand behind our products and are happy to provide you with this Limited Warranty on our manufactured equipment.

#### What is Covered?

An Identification tag is affixed to all IDFI equipment and identifies the machinery model number and production job number. Refer to these numbers for inquiries such as warranty issues, replacement parts, etc.

Subject to the conditions, as explained below, of this Limited Warranty, IDFI warrants this Equipment to be free from defects in design or workmanship.

#### How Long Does the Coverage Last?

Period of Coverage Start Date: Date you received your Equipment.

Period of Coverage End Date: 12months - Equipment operation of 8 hours per day

6 months - Equipment operation of 16 hours per day

4 months - Equipment operation of 24 hours per day

## **LIMITED WARRANTY (Continued)**

### **What will IDFI Do to Correct the Defect(s)?**

We will repair or replace, FOB our plant or FOB point of shipment, at our option, any Equipment, or its parts, of our own manufacture which IDFI's examination discloses to be defective in material or workmanship.

### **How Do I Get Service or Get my Questions Answered?**

Please contact us:                      Industrial Design Fabrication & Installation Inc.  
2501 Murray Street, Suite A  
Sioux City, IA 51111  
Toll Free 877-873-5858  
Office 712-224-5600  
Fax 712-224-5604  
Email: [info@idfi.com](mailto:info@idfi.com)

### **What Conditions Must be Met for this Warranty to be Valid?**

1. Accounts must be current and in good standing.
2. You must be the Original Buyer of the Equipment
3. The Equipment must have been in your sole possession from the beginning of the Warranty Period of Coverage until our notification of defect(s)
4. You must notify us as to the nature of Equipment defect(s) in writing within 15 days upon discovery of defect(s).
5. Your written notification of Equipment defect(s) must be received by us within the Warranty Period of Coverage, or a maximum of 15 days after the Warranty Period of Coverage ended.
6. The defective Equipment must be made available for our inspection.
7. At our request, you must return the defective Equipment to us, freight prepaid and securely packaged to avoid damage in transit.



## **LIMITED WARRANTY (Continued)**

### **What are some conditions that may void the warranty?**

If, upon examination of Equipment defect(s), we determine or believe:

1. You have altered or attempted to repair the equipment, or its components, without our expressed and written consent.
2. You have used the equipment for something other than its intended purpose without our expressed and written consent.
3. You have removed, altered or defaced any factory **ID** tags.
4. Equipment defect(s) were caused by accident, misuse, abuse, neglect, normal deterioration by chemical action, or natural disaster.
5. Installations performed by nonqualified personnel resulting in incorrect installation or damage that occurred during installation.

### **Is there any other information I should be aware of?**

1. Equipment components or parts not manufacture by us are warranted only to the extent of the original manufacturer's warranty.
2. There are no express warranties, whether written or oral, other than this printed Limited Warranty.
3. All implied warranties, including without limitation, the implied warranty of fitness for a particular purpose are limited to the Warranty Period of Coverage.
4. In no event shall we be held liable for incidental or consequential damages of any nature, including but not limited to lost profits or commercial loss.
5. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from country and from state to state.

## II. SAFETY INFORMATION

All users of IDFI equipment should constantly be aware of their surroundings and follow all Company and Vendor guidelines to ensure the safe installation, operation and maintenance of IDFI equipment.

### 2.1 STANDARDS WE UTILIZE FOR YOUR SAFETY

All IDFI equipment is designed for safety. However, as with all power equipment, common sense and extreme caution must be used at all times.

### 2.2 PERSONAL HAZARD SAFETY ISSUES

DO:

1. Allow only **AUTHORIZED** personnel to operate or maintain equipment.
2. Keep clothing, body parts, and hair away from machinery.
3. Know the location / function of all stop and start controls and / or equipment safety interlocks.
4. Institute a continuing safety program to instruct all personnel in proper, safe operating and maintenance procedures.
5. Use proper eye and skin protection when required.

DON'T:

1. Make any modifications to this equipment.
2. Attempt to free jammed rollers, chains, belts or gear trains with power applied or by pushing or prying with fingers, hand tools, ect.
3. Attempt any repairs or adjustments when the equipment is operating.

**THINK FIRST.** Is the intended action reasonable and safe? Will the intended action accomplish the desired purpose without personnel injury?

IF NOT **ABSOLUTELY** CERTAIN, DON'T DO IT.

## 2.3 LOCKOUT/TAGOUT PROCEDURE

Use your company LOCKOUT/TAGOUT procedures and DO NOT perform maintenance or cleaning on machinery until electrical, air, hydraulic, and gravity, and all other energy such as stored or residual energy sources have been locked out or blocked.

If there are no company guidelines to follow, the following example is offered as a guideline ONLY.....

### LOCKOUT / TAGOUT EXAMPLE

#### Typical Procedure:

1. **Preparation for shutdown.** Before an authorized or affected employee turns off a machine or equipment, the authorized employee shall have knowledge of the type and magnitude of the energy, the hazards of the energy to be controlled, and the method or means to control the energy.
2. **Machine or equipment shutdown.** The machine or equipment shall be turned off or shut down using the procedures required by this standard. An orderly shutdown must be utilized to avoid any additional or increased hazards(s) to employees as a result of equipment de-energization.
3. **Machine or equipment isolation.** All energy isolation devices that are needed to control the energy to the machine or equipment shall be physically located and operated in such a manner as to isolate the machine or equipment from the energy source(s).
4. **Lockout or Tagout device application.**
5. **Stored energy.** Following the application of lockout or tagout devices to energy isolating devices, all potentially hazardous stored or residual energy shall be relieved, disconnected, restrained, and otherwise rendered safe.

If there is a possibility of re-accumulation of stored energy to a hazardous level, verification of isolation shall be continued until the servicing or maintenance is completed, or until the possibility of such accumulation no longer exists.

6. **Verification of Isolation.** Prior to starting work on machines or equipment that have been locked out or tagged out, the authorized employee shall verify that isolation and de-energization of the machine or equipment have been accomplished.
7. **Release from Lockout / Tagout.**

## **III. GENERAL INFORMATION**

### **(OVERHEAD CONVEYOR)**

#### **3.1 GENERAL DESCRIPTION OF EQUIPMENT**

VERTICAL INDEXERS are designed for food industry applications, reliable, safety, and easy cleanup make this the perfect conveyor for a business.

The following steps should be verified before the equipment is considered ready for regular operation/production:

#### **3.2 Pre-Production Start Up**

1. Has the machine been positioned and securely anchored correctly for proper operation as outlined in the guidelines set forth in Operations Manual?
2. Are all equipment fasteners tight?
3. Are all power connections tight?
4. Have the type and amount of any lubrication requirements been checked?
5. Does the cylinder operate with proper alignment-no binding, etc.

**During the first week of operation, it is recommended that the equipment be monitored closely for any unusual noises, vibrations and lubrication fluid levels. Also, check all bolts and nuts to ensure none have loosened due to vibrations or expansion and contraction.**



### 3.3 Operation Recommendations

A. Observe all safety rules and guidelines – be extremely cautious at all times when working with this equipment.

B. Prior to each shift, check the following:

1. Ensure all equipment guards are in place.
2. All user/customer supplied personnel barriers or guard rails are secure.
3. All emergency stop switches are in working order.
4. Start the Indexer.
5. Observe the Cylinder to make sure it tracks correctly.
6. Lockout Indexer for any adjustments.

C. Stop and report any malfunctioning equipment immediately.

D. Listen and Observe all around the machine for unusual noises or vibrations that might indicate problems – such as alignment, clearance issues, etc.

## **IV. MAINTENANCE**

### **4.1 GENERAL MAINTENANCE OF EQUIPMENT**

- A. Maintenance procedures consist mainly of observing good housekeeping practices and providing adequate lubrication.
- B. Keep the equipment free of dirt and debris at the end of the work day.

### **4.2 Periodic Maintenance Inspection**

#### A. Daily Schedule

- 1. Tighten or replace loose or missing hardware.
- 2. Verify all equipment guards are in place.

#### B. Weekly Schedule

- 1. Check over Cylinder for wear and fluid leaks, levels/tighten connections.

#### C. 30 Day Schedule

- 1. Inspect for wear and cracks, check for weld damage, repair or replace as required.

**INDUSTRIAL DESIGN FABRICATION AND INSTALLATION, INC.**  
**TERMS AND CONDITIONS OF SALE**

1. **PAYMENT:** All invoices are due and payable in US dollars in Woodbury County, IA. Customers who have established credit with IDFI, terms are net 10. A service charge of one and one-half percent (1-1/2%) per month will be assessed on accounts more than 30 days overdue.
2. **TAXES:** Except as otherwise expressly set forth, prices stated do not include federal, state, local or other governmental taxes, all of which shall be paid by Buyer in addition to the purchase price. All taxes assessed to this order are the responsibility of the Buyer, including but not limited to local, and regional sales taxes and personal property tax, or the Buyer is to provide Seller with valid exemption certificate. In the event that Buyer either fails to pay the tax or other charges as agreed above or fails to provide a valid exemption certificate, Buyer agrees to indemnify and hold Seller harmless from any liability and expense by reason of Buyer's failure. Such indemnification shall include, but not be limited to, attorneys' fees and/or other legal expenses relating to such failure.
3. **DELIVERY:** Unless otherwise agreed to by Seller, all shipments of the goods, wares and merchandise described on the quote and/or estimate hereof (the "Merchandise") shall be F.O.B. point of shipment. Delivery dates stated, if any, are estimates and are not a guarantee of delivery on a particular date. Any Merchandise unavailable at the time of order will be backordered by Seller and will be shipped as soon as possible. Seller shall not be liable to Buyer or any third party for failure or delay in delivering Merchandise, if such failure or delay results from: (a) strikes, lockouts or other disputes or unrest; (b) fire, explosion, flood, natural disaster or act of God; (c) war, civil disturbance, riots or armed conflict; (d) governmental action, order, condemnation, sequestration, confiscation or other act directly or indirectly affecting Seller's performance hereunder; (e) Seller's inability to obtain Merchandise; or (f) any other cause beyond Seller's control. Title and right of possession to this material shall remain with us until full and final payment is made.
4. **WARRANTIES:** These goods are **SOLD AS IS**. There are no warranties that extend beyond the description on the face hereof. **IDFI, Inc. disclaims any implied warranty of merchantability of these goods or the fitness of the same for any purpose, and Buyer agrees that these goods are sold "AS IS" unless otherwise specified.** IDFI, Inc. agrees, however, to pass on and make available to Buyer any warranty made by the manufacturer of these goods or their components. These specifications are correct to the best of our knowledge, obtained from sources deemed reliable. However, it is for this reason you should make your inspection prior to sale to confirm accuracy. Equipment is not necessarily in conformance with OSHA or APHIS regulations.
5. **DAMAGES:** SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER.
6. **MACHINE SAFETY:** It is the user's responsibility to provide safety devices and equipment to safeguard the operator from harm for any particular use, operation, and set-up and to adequately safeguard the machine, or machines, to conform to all Federal, State, and Local Government Safety Standards and all industry Safety Standards.
7. **INDEMNIFICATION:** Buyer agrees to indemnify and hold harmless IDFI, Inc. from any and all claims and legal action and to assume full responsibility for damage to property or for personal injury, including death, made by anyone whomsoever, which may arise out of the ownership or use of the equipment or materials described above by Buyer, his agents or employees. Such indemnification shall include, but not be limited to, attorneys' fees and/or other legal expenses relating to such failure.
8. **RETURNS OF MERCHANDISE:** No returns of Merchandise by Buyer or Seller will be accepted without the prior written permission of Seller. Buyer agrees to pay to Seller a reasonable restocking charge on returned Merchandise at a rate determined by Seller.
9. **INSPECTION:** Buyer shall, upon reasonable notice to Seller, have the right to inspect the Merchandise at point of shipment.
10. **REMEDIES:** Buyer's sole remedy, in lieu of all other remedies, shall be limited to the refund of any purchase price for Merchandise paid to Seller hereunder. Buyer's failure to notify Seller of any claim within thirty (30) days after delivery of the Merchandise (or the date fixed for delivery in the case of non-delivery) shall constitute a waiver and release by Buyer of all claims arising against Seller in connection with the Merchandise. No action by Buyer for breach of any of the terms and provisions of this agreement shall be commenced subsequent to two (2) years after the cause of action has accrued.
11. **DEFAULT:** If Buyer defaults in the performance of any of its obligations hereunder, then in addition to any and all other rights or remedies which Seller may have against Buyer, Buyer shall be liable to Seller for all court costs and attorney's fees incurred in enforcing the terms and provisions of this agreement.
12. **ENTIRE AGREEMENT:** The terms and conditions contained herein, together with Seller's invoice, constitute the entire agreement between the parties hereto with respect to the subject matter hereof and supersede all previous communications or representations, including Buyer's Purchase of Order, if any, whether verbal or written, between the parties with respect to the subject matter hereof. No agent, employee or representative of the Seller has any authority to bind the Seller to any affirmation, representation or warranty concerning the Merchandise subject hereto, and unless such affirmation, representation or warranty is included in this agreement, it is not part of this bargain and shall not be binding upon or enforceable against the Seller. No course or prior dealings between the parties and no custom or usage of trade in the industry shall be used to interpret, construe or supplement the terms and conditions of hereof.

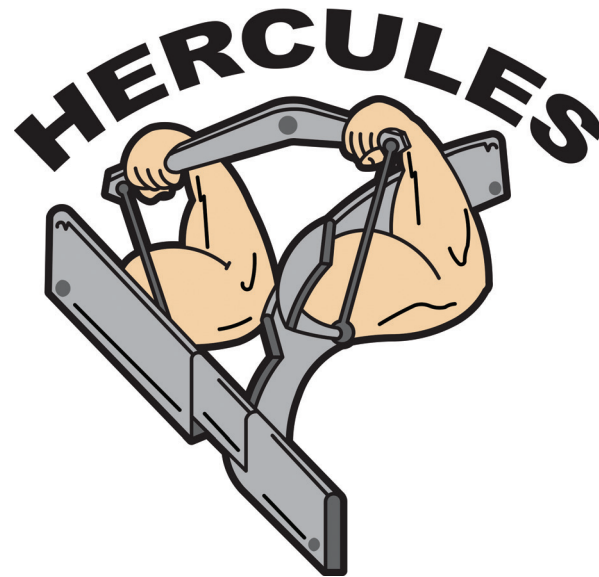
13. **MODIFICATIONS:** The agreement of which these terms are a part can be modified or rescinded only by a written signed agreement by both parties or their duly authorized agents.

14. **MISCELLANEOUS:** The terms and conditions of this agreement shall be governed and construed in accordance with the laws of the state of Iowa. Buyer and Seller irrevocably agree that all actions or proceedings in any way, manner, or respect, arising out of or from or related to this agreement or the transactions contemplated hereby shall be litigated in courts having situs within the City of Sioux City, State of Iowa. Buyer and Seller each hereby consent and submit to the jurisdiction of any local, state, or federal courts located within Sioux City, Iowa and waive any right they may have to transfer or change the venue of any litigation brought against them by the other. The term "Seller" means IDFI, Inc. and the term "Buyer" means the Customer identified on the invoice, quote and/or estimate.

15. **EMPLOYEES:** Buyer, its affiliated companies and agents, agree that they will not hire any employee employed by IDFI or its affiliated companies, nor take any steps which interfere in any way with the employment relationship between IDFI and its affiliated companies, and their employees, for a period of two (2) years from the date of this Agreement.



# NOTES



## HSM 614 CHAIN MULTIPLANE CHAIN SECTION

The HERCULES HSM 614 Multi-Plane Stainless Steel Chain is a direct replacement for overhead cable conveyors. The HSM 614 is oil-less, greaseless, and utilizes existing T-Track, drives, idler frames, and hubs by replacing existing idlers and sprockets with direct replacement sprockets. The HSM 614 chain employs a polymer washer to eliminate most metal-on-metal contact, and reduced friction. Because of its greasless, stainless steel design there is no rusting, flaking, or grease to drip on to the product below. With the increased strength, and unlimited options for hooks, clamps, and other devices, this new sanitary chain has endless applications in your plant.

<b>Table Of Contents</b>	
HSM 614 CHAIN ENGINEERING INFORMATION	2-HSM
HSM 614 CHAIN MEASUREMENTS	3-HSM
HSM 614 CHAIN ORDERING GUIDE	4-HSM
HSM 614 CHAIN STATIONARY DRIVE	5-HSM
HSM 614 CHAIN DRIVE TAKEUP MANUAL / PNEUMATIC	6-HSM
HSM 614 CHAIN IDLE TAKEUP MANUAL / PNEUMATIC	7-HSM
HSM 614 CHAIN TAKEUP COMMON PARTS	8-HSM
HSM 614 CHAIN IDLE CORNER COMPLETE UNIT 1	9-HSM
HSM 614 CHAIN IDLE SPROCKET COMPLETE UNIT 1 / HSM 614 CHAIN IDLE SPROCKET 1	10-HSM
HSM 614 CHAIN IDLE CORNER COMPLETE UNIT 1 COMMON PARTS	11-HSM
HSM 614 CHAIN IDLE CORNER COMPLETE UNIT 2	12-HSM
HSM 614 CHAIN IDLE SPROCKET COMPLETE UNIT 2 / HSM 614 CHAIN IDLE SPROCKET 2	13-HSM
HSM 614 CHAIN IDLE CORNER COMPLETE UNIT 2 COMMON PARTS	14-HSM
HSM 614 CHAIN IDLE CORNER FRAMES / HSM 614 CHAIN T RAIL CORNERS	15-HSM
TEE TRACK VERTICAL CURVE INCLINE / TEE TRACK VERTICAL CURVE DECLINE	16-HSM

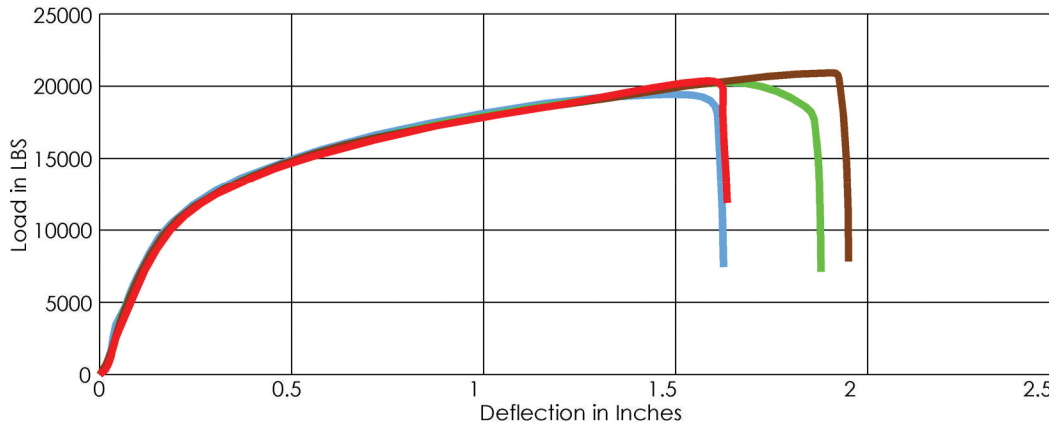
# HERCULES<sup>®</sup>

## HSM 614 CHAIN ENGINEERING INFORMATION

HSM 614 CHAIN

### STRENGTH

Through a series of redesigns and tests conducted by an independent lab, the HERCULES HSM 614 chain provides outstanding strength capable of handling even the most demanding loads.



### COMPARING THE COMPETITION

From the charts below, you can see that the HERCULES HSM 614 chain significantly out performs the traditional cable conveyor. The initial test specimen for the HERCULES HSM 614 chain failed prematurely due to the grade 8 mounting bolt used by the Satec for testing. From the chart above, you can see the primary failure of the cable conveyor was due to the bolted splice connection which is significantly weaker than the advertised cable conveyor tensile strength. Thus, the cable conveyor is limited to the strength of the splice connection, making on average, the HERCULES HSM 614 chain more than 200% stronger than the competition.

HERCULES HSM 614 CHAIN TENSILE STRENGTH RESULTS		
TEST SPECIMEN	MAX DEFLECTION (IN INCHES)	MAX LOAD (LBF)
1	1.2142	15,747
2	1.9840	20,714
3	1.9098	19,990
4	1.6577	19,999
5	1.6535	19,206

CABLE TEST RESULTS		
TEST SPECIMEN	MAX DEFLECTION (IN INCHES)	MAX LOAD (LBF)
1	0.7615	15,197
2	0.7653	15,395
3	0.798	15,562
4	0.836	15,427
5	0.7785	15,413
BOLTED SPLICE CONNECTION TEST		
TEST SPECIMEN	MAX DEFLECTION (IN INCHES)	MAX LOAD (LBF)
1	0.3942	7,901
2	0.3315	6,669
3	0.3845	7,928
4	0.4705	8,721
5	0.3788	7,516

**Both tests were performed by the same lab using a Satec**

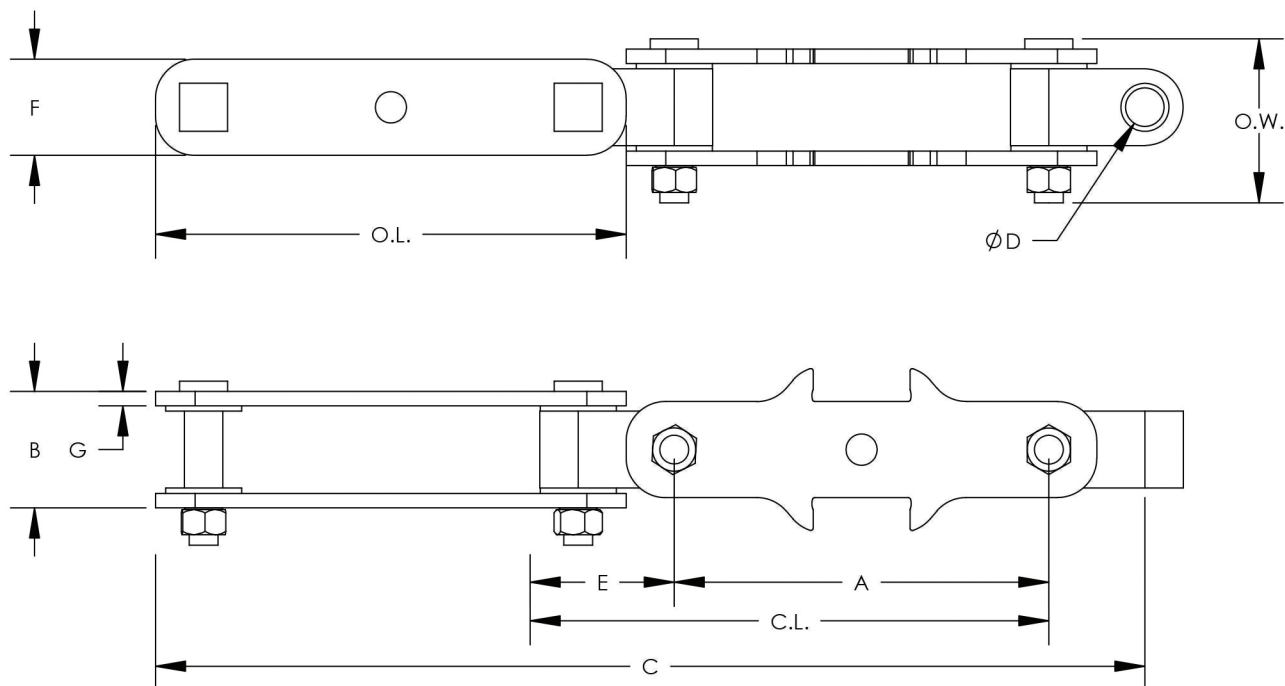
TESTED SYSTEMS	ADVERTISED STRENGTH	ACTUAL AVG. STRENGTH
HERCULES HSM 614 CHAIN	19,000 LBS	19,977 LBS
CABLE CONVEYOR	14,400 LBS	7,747 LBS



# HERCULES<sup>®</sup>

## HSM 614 CHAIN MEASUREMENTS

**HSM 614 CHAIN**

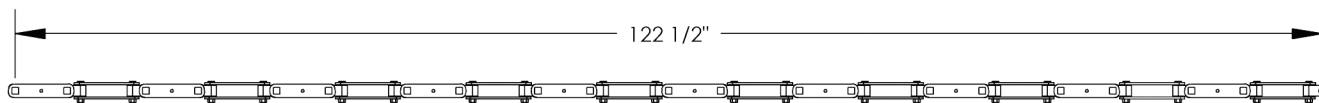


### LEGEND

- A - PIN CENTER TO CENTER
- B - WIDTH OF CHAIN
- C - SECTION LENGTH
- D - PIN HOLE DIAMETER
- E - KNUCKLE PIN SEPERATION
- F - SIDE LINK WIDTH
- G - LINK THICKNESS

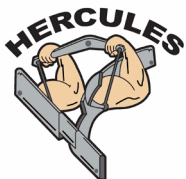
CHAIN	PART NUMBER	NOMINAL PITCH	LINKS IN 10 FOOT COMPLETE SECTION	WEIGHT PER FOOT	A	B	C	D	E	F	G	C.L.	O.W.	O.L.
HSM 614	1122172	6.125"	20	2.84 LBS.	4.88"	1.52"	12.25"	0.50"	1.25"	1.25"	0.188"	6.125"	2.132"	6.125"

### HSM 614 CHAIN 10 FOOT SECTION NOMINAL LENGTH



### HSM 614 CHAIN LOAD RATING

RATED LOAD	ULTIMATE STRENGTH
2,000 LBS.	19,000 LBS.



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HSM-3

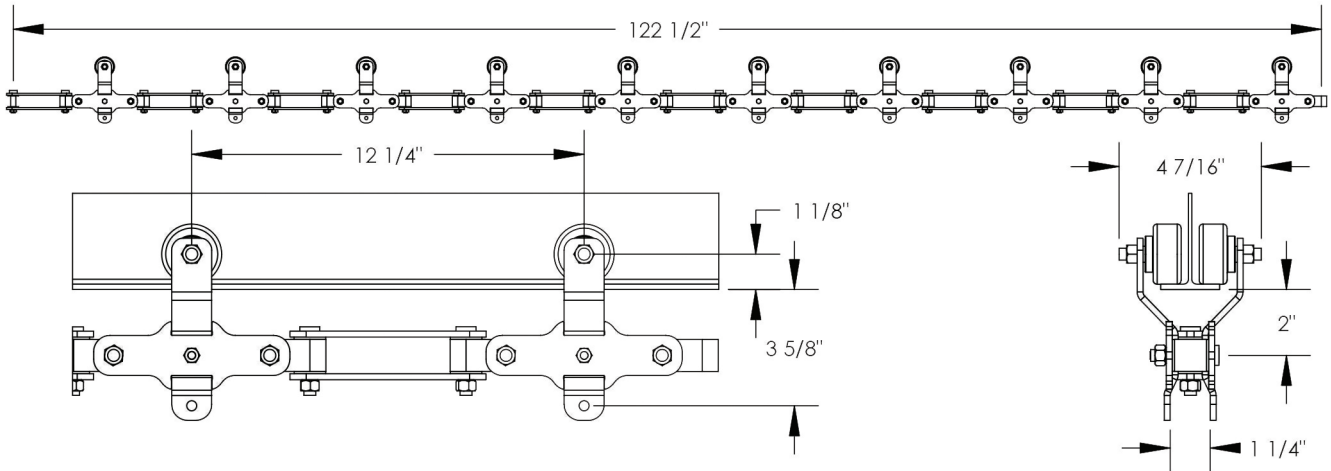
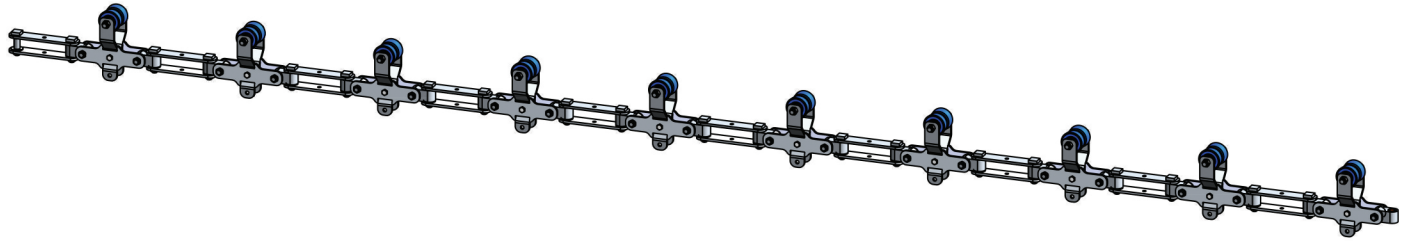


# HERCULES<sup>®</sup>

HSM 614-T24P 10 FOOT SECTION

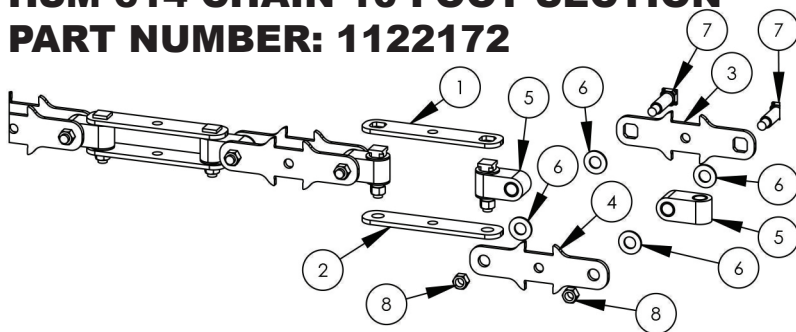
PART NUMBER: 1128200

HSM 614 CHAIN



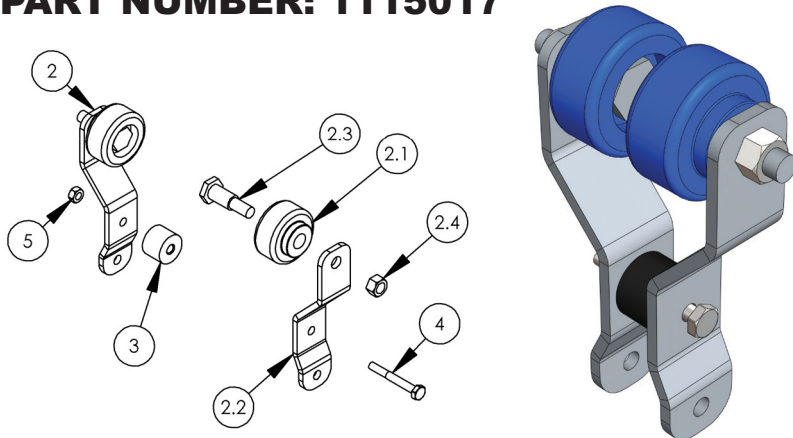
HSM 614-T24P sold in 10 foot nominal increments

## HSM 614 CHAIN 10 FOOT SECTION PART NUMBER: 1122172



ITEM NO.	Description	Part Number	QTY
1	HSM LINK 1	1121765	10
2	HSM LINK 2	1118383	10
3	HSM LINK 3	1117483	10
4	HSM LINK 4	1117302	10
5	HSM KNUCKLE ASSY 1	1121080	20
6	HSM WASHER 1	1118571	80
7	HSM PIN 1	1115346	40
8	3/8-16 HEX CENTER LOCK NUT	1117475	40

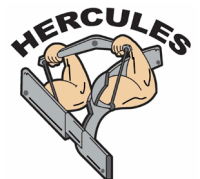
## HST 24P KIT PART NUMBER: 1115017



ITEM NO.	Description	Part Number	QTY
1	HST 24P TROLLEY ASSY COM 1	1115017	1
2	HST 24P TROLLEY HALF ASSY	1128125	2
2.1	HST TROLLEY WHEEL 1	1112877	1
2.2	HST TROLLEY PLATE 1	1113866	1
2.3	HST TROLLEY WHEEL PIN 1	1122977	1
2.4	3/8-16 HEX CENTER LOCK NUT	1117475	1
3	HST TROLLEY SPACER BLOCK 1	1117406	1
4	3/8-16 HEX HEAD BOLT	1120874	1
5	3/8-16 HEX CENTER LOCK NUT	1117475	1

4-HSM

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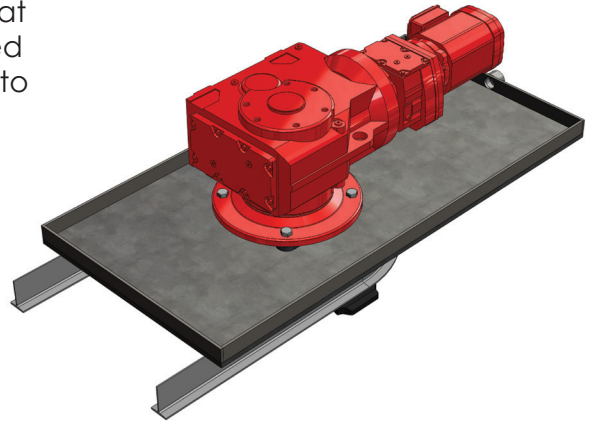
# HERCULES<sup>®</sup>

## HSM 614 CHAIN STATIONARY DRIVE

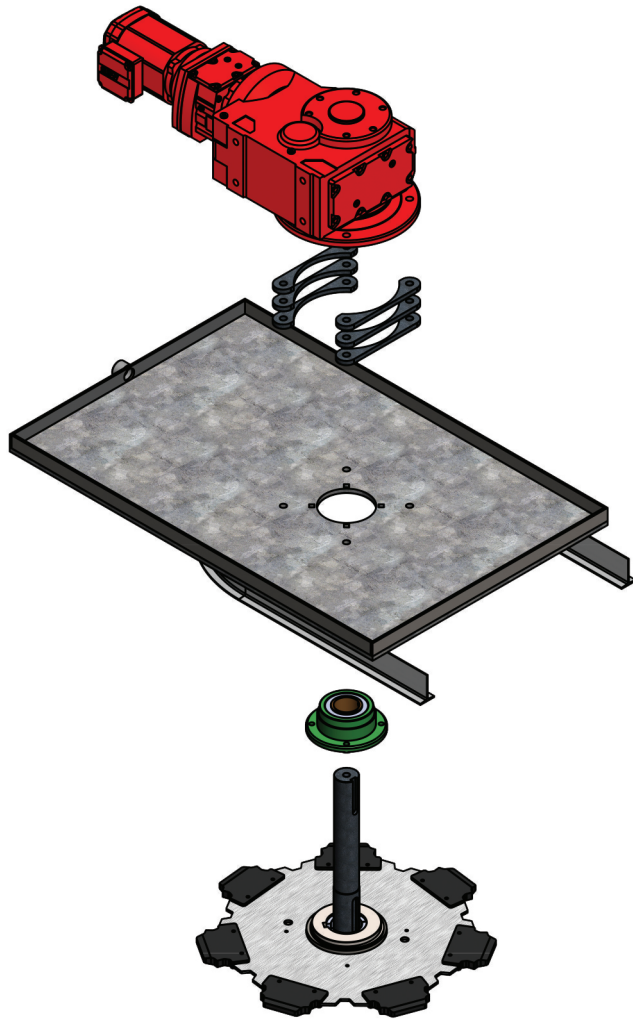
The most vital part of your HSM 614 Chain is the unit that keeps it moving. The HSM 614 Stationary Drive is designed specifically to power the HSM 614 Chain, allowing you to use your chain to its full potential.

Benifets of the HSM 614 Chain Stationary Drive are:

- Oil leak protection
- Name Brand Gearbox for power
- Browning shear pin hub for system overload prevention
- Easy accessibility for maintenance
- Standard chain corner replacement parts



**HSM 614 CHAIN**



HSM 614 CHAIN 7 GAP STATIONARY SHOWN

### ORDERING INFORMATION

To assure that you are ordering the right drive for your system make sure you know all the information listed below.

SYSTEM LENGTH: \_\_\_\_\_

LOADED LENGTH: \_\_\_\_\_

RETURN LENGTH: \_\_\_\_\_

ELEVATION CHANGES:

\*ELEVATION CHANGE 1: \_\_\_\_\_

\*ELEVATION CHANGE 2: \_\_\_\_\_

\*ELEVATION CHANGE 3: \_\_\_\_\_

\*ELEVATION CHANGE 4: \_\_\_\_\_

NUMBER OF 45 CORNERS: \_\_\_\_\_

NUMBER OF 90 CORNERS: \_\_\_\_\_

NUMBER OF 180 CORNERS: \_\_\_\_\_

DRIVE BRAND: \_\_\_\_\_

SYSTEM SPEED: \_\_\_\_\_

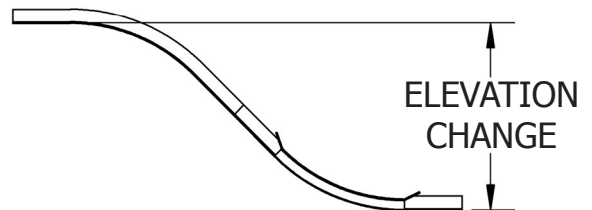
DRIVE SPROCKET TEETH COUNT:

5            7            8            10

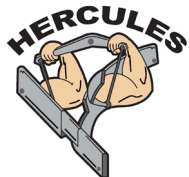
PRODUCT SPACING: \_\_\_\_\_

PRODUCT WEIGHT: \_\_\_\_\_

To order you HERCULES Stationary Drive contact a Sales Representative at: [\(877\) 873-5858](tel:877-873-5858)

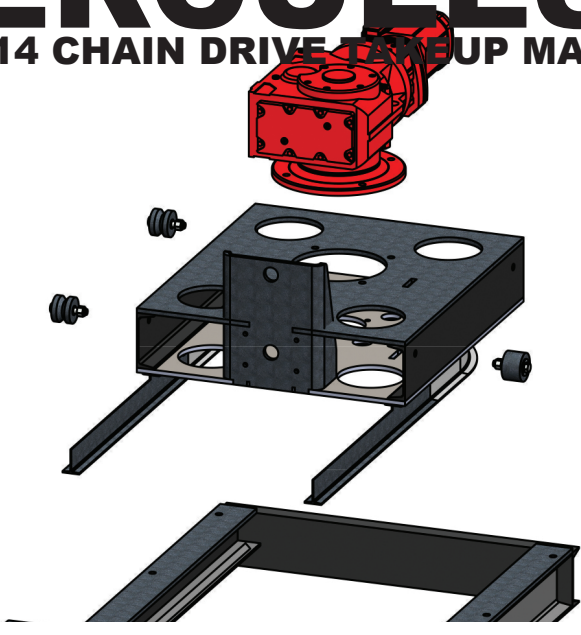


ELEVATION CHANGE EXAMPLE



# HERCULES®

## HSM 614 CHAIN DRIVE TAKEUP MANUAL/PNEUMATIC



The HERCULES HSM 614 Chain Drive Takeup is made to provide the power, and tension to keep your overhead chain system running in the most efficient manner possible. The Drive Takeup is easy to adjust to the tension you want on your chain, and with a 28 inch range of adjustment it will work nicely in both new and existing chain systems.

Adjusting the Drive Takeup to the right position is made easy with two available takeup styles. The standard takeup style is the manual screw takeup. But if you prefer to have your takeup and by a pneumatic cylinder that style is available as well. All takeups manual, and pneumatic are made to work with either 6inch, 8inch, and 12inch bore pneumatic cylinder allowing you to change your takeup as your needs for that system change.

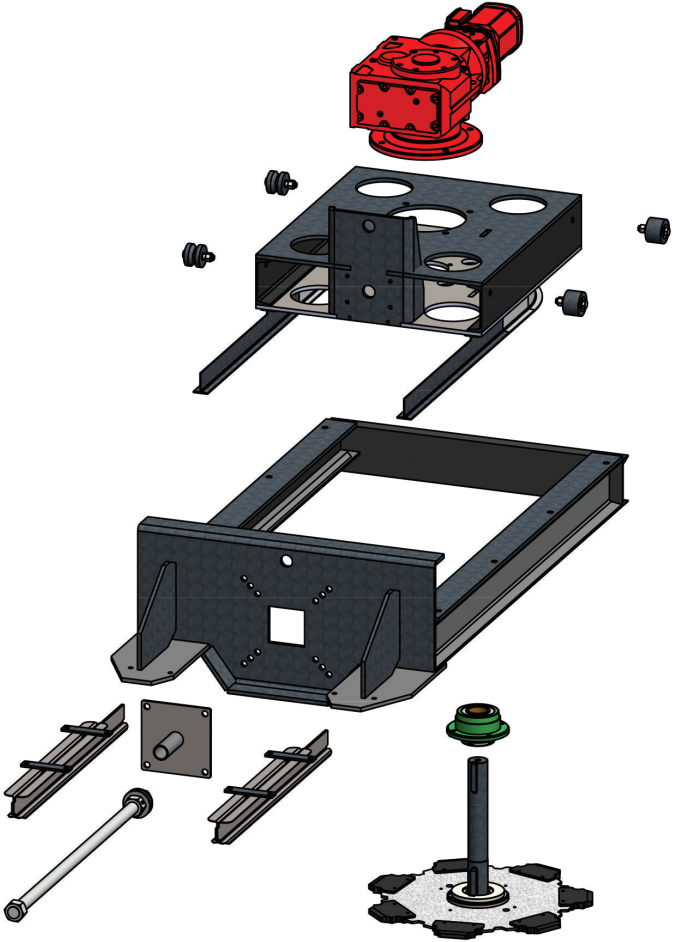
### ORDERING INFORMATION

To assure that you are ordering the right drive for your system make sure you know all the information listed below.

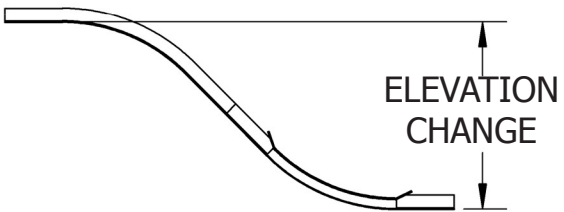
- SYSTEM LENGTH: \_\_\_\_\_
- LOADED LENGTH: \_\_\_\_\_
- RETURN LENGTH: \_\_\_\_\_
- ELEVATION CHANGES:
  - \*ELEVATION CHANGE 1: \_\_\_\_\_
  - \*ELEVATION CHANGE 2: \_\_\_\_\_
  - \*ELEVATION CHANGE 3: \_\_\_\_\_
  - \*ELEVATION CHANGE 4: \_\_\_\_\_
- NUMBER OF 45 CORNERS: \_\_\_\_\_
- NUMBER OF 90 CORNERS: \_\_\_\_\_
- NUMBER OF 180 CORNERS: \_\_\_\_\_
- DRIVE BRAND: \_\_\_\_\_
- SYSTEM SPEED: \_\_\_\_\_
- DRIVE SPROCKET TEETH COUNT:
 

5	7	8	10
---	---	---	----
- PRODUCT SPACING: \_\_\_\_\_
- PRODUCT WEIGHT: \_\_\_\_\_

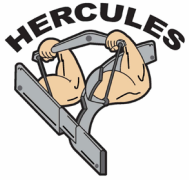
To order you HERCULES Stationary Drive contact a Sales Representative at: (877) 873-5858



HSM 614 CHAIN 7 GAP MANUAL DRIVE TAKEUP SHOWN



ELEVATION CHANGE EXAMPLE





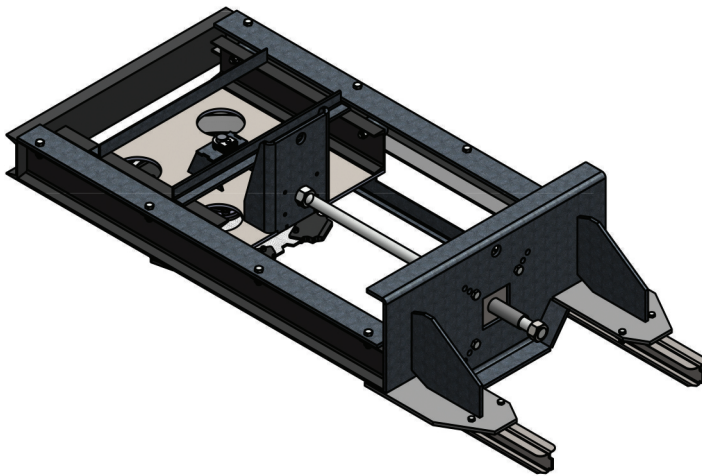
# HERCULES®

## HSM 614 CHAIN TAKEUP MANUAL/PNEUMATIC

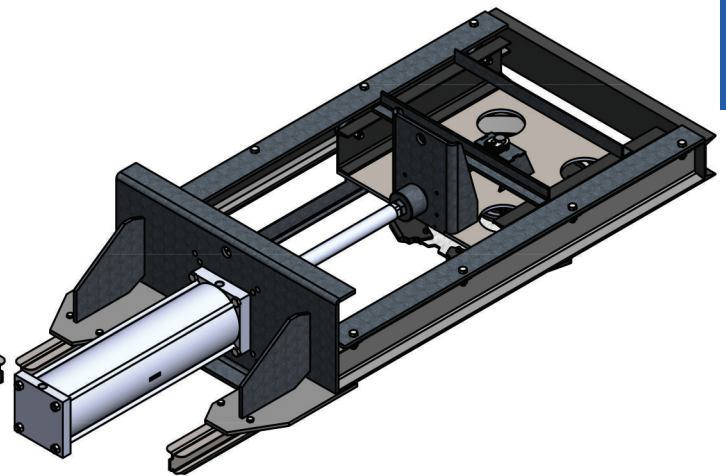
**HSM 614 CHAIN**

The HERCULES HSM 614 Takeup is capable of providing the proper amount of tension that is required to make your system function. The Takeup is easily adjustable, and with a 28inch range of movement it will be able to provide the proper amount of tension in your current system, and any future versions of the system.

Adjusting the Takeup to the proper position is made easy with two options. Both pneumatic and manual Takeups are available. With the air version having a universal front mount plate that is designed to work with a 6inch, 8inch, and 12inch bore air cylinders.



**MANUAL TAKEUP**

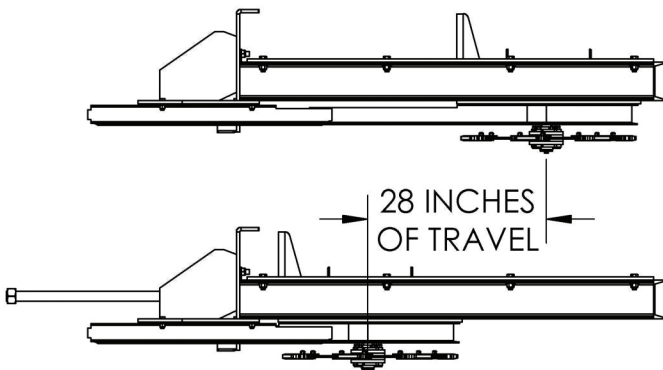


**PNEUMATIC TAKEUP**

RANGE OF MOVEMENT

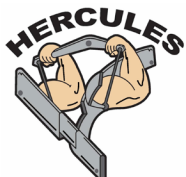
The HERCULES HSM 614 Takeup is capable of providing the proper amount of tension that is required to make your system function. The drive takeup is easily adjustable, within its 28inch range of adjustable movement it will be able to provide the proper amount of tension in your current system and any future versions of the system.

Adjusting the drive takeup to the proper position is made easy with two options. Both pneumatic and manual drive takeups are available, and if you decide that you have made the wrong choice all drive takeup frames are designed to easily change from a manual to a pneumatic, or a pneumatic to a manual.

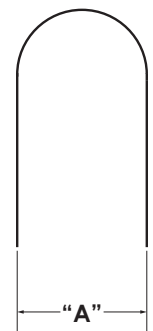


### HSM 614 CHAIN TAKEUP COMPLETE UNIT

**ADD A PNEUMATIC CYLINDER FOR A PNEUMATIC TAKEUP**



GAP	Description	"A"	Manual
5	HSM 614 CHAIN 5 GAP TAKEUP	19 1/8"	1112362
7	HSM 614 CHAIN 7 GAP TAKEUP	26 5/8"	1119789
8	HSM 614 CHAIN 8 GAP TAKEUP	30 1/2"	1125622
10	HSM 614 CHAIN 10 GAP TAKEUP	38 1/8"	1111707



MANUFACTURED BY: **IDFI**.COM  
 PHONE: 1-877-873-5858 FAX: 1-712-224-5604

**HSM-7**

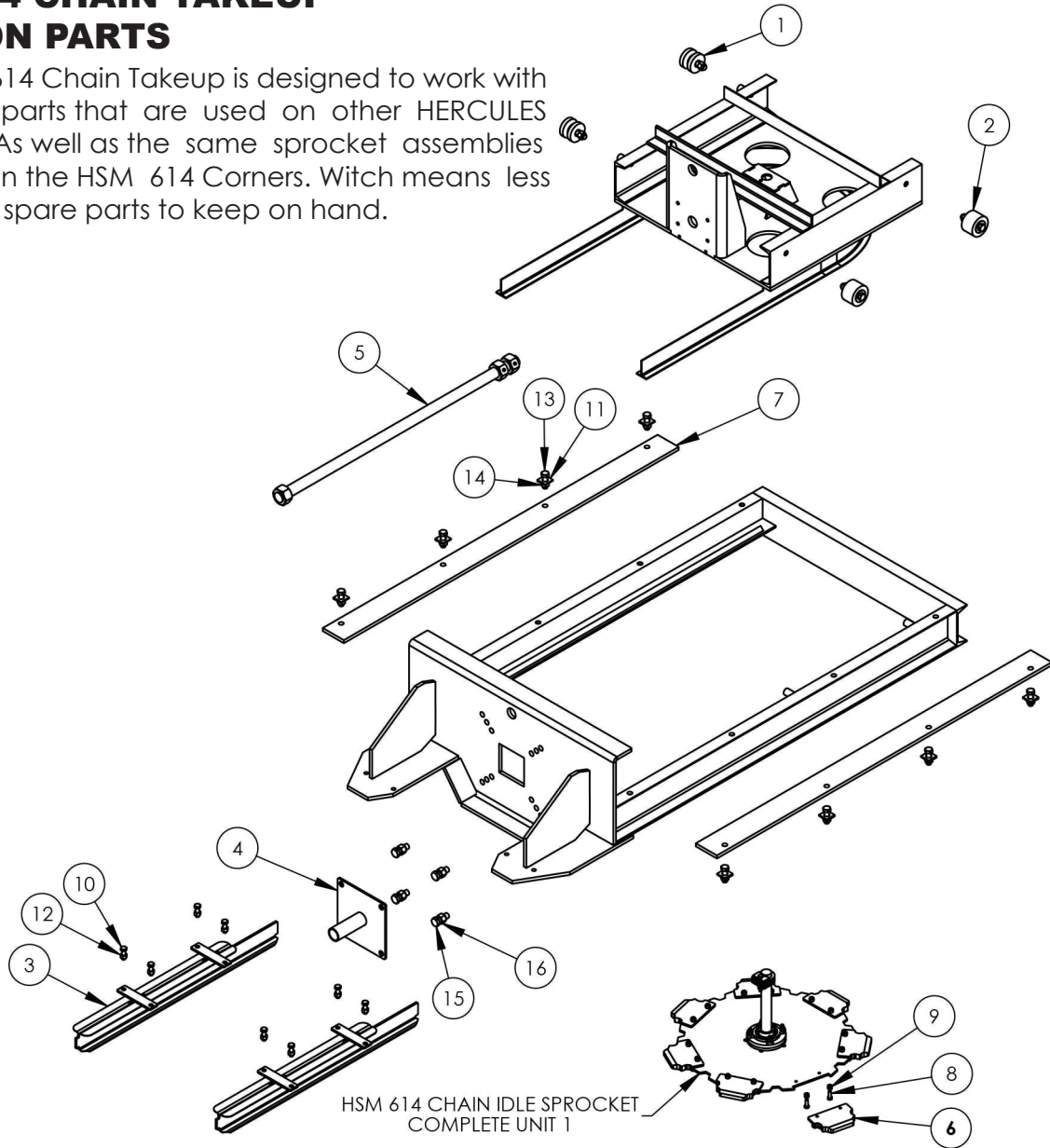
# HERCULES<sup>®</sup>

## HSM 614 CHAIN TAKEUP

### COMMON PARTS

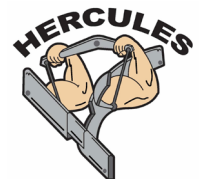
The HSM 614 Chain Takeup is designed to work with the same parts that are used on other HERCULES Takeups. As well as the same sprocket assemblies that are on the HSM 614 Corners. Which means less individual spare parts to keep on hand.

HSM 614 CHAIN



ITEM NO.	Description	Part Number
1	TAKEUP INNER FRAME GUIDE WHEEL ASSEMBLY	1121344
2	TAKEUP INNER FRAME SOLID WHEEL ASSEMBLY	1116213
3	HSM 614 CHAIN T TRACK GUIDE FRAME	1120849
4	TAKEUP MANUAL CONVERSION GUIDE	1119213
5	TAKEUP MANAUAL ADJUSTMENT ROD KIT	1121660
6	HSM 614 CHAIN SPROCKET TOOTH UHMW	1125431
7	TAKEUP RIB EDGE PLATE	1128466
8	1/4-20 X 1" HEX HEAD BOLT	1116092

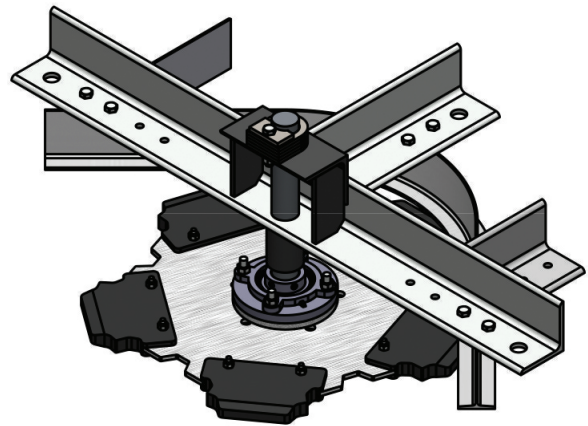
ITEM NO.	Description	Part Number
9	1/4-20 NYLOCK NUT	1115658
10	1/2-13 X 1 1/2" HEX HEAD BOLT	1114890
11	1/2" WEDGE WASHER	1119104
12	1/2-13 NYLOCK NUT	1113761
13	5/8-11 X 2" HEX HEAD BOLT	1117046
14	5/8-11 NYLOCK NUT	1113422
15	3/4-10 X 2" HEX HEAD BOLT	1125271
16	3/4-10 NYLOCK NUT	1114776



# HERCULES<sup>®</sup>

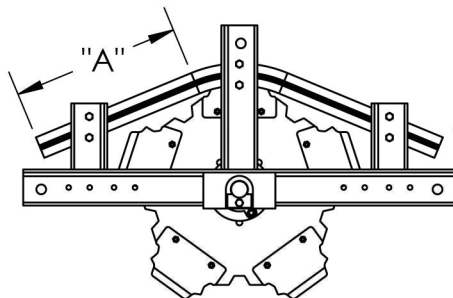
## HSM 614 CHAIN IDLE CORNER COMPLETE UNIT 1

The HSM 614 Chain Idle Corner 1 is offered in three standard corner designs (45 Deg., 90 Deg., 180 Deg.). Just like all other parts of the HSM 614 Chain the corners are designed to be a direct replacement for cable conveyor corners, making it an ideal option for a fast, easy switch from a cable system to the HSM 614 Chain system. The corners are also designed with completely replaceable parts, that are able to be used on all three different turns, as well as other HSM 614 Chain system components.

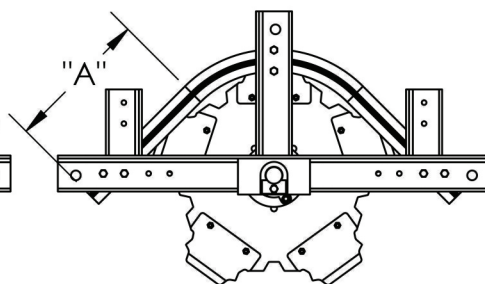


**HSM 614 CHAIN**

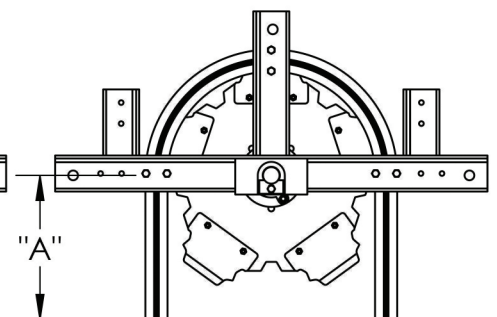
Tooth Count	Degree Of Corner	Description	Complete Unit Part Number	"A"
<b>5</b> (19 1/8" Pitch Diameter)	45	HSM 614 CHAIN 5 GAP 45 DEGREE CORNER	1122654	14"
	90	HSM 614 CHAIN 5 GAP 90 DEGREE CORNER	1128953	12"
	180	HSM 614 CHAIN 5 GAP 180 DEGREE CORNER	1114897	12"
<b>7</b> (26 5/8" Pitch Diameter)	45	HSM 614 CHAIN 7 GAP 45 DEGREE CORNER	1125625	18"
	90	HSM 614 CHAIN 7 GAP 90 DEGREE CORNER	1117566	16"
	180	HSM 614 CHAIN 7 GAP 180 DEGREE CORNER	1123954	18"
<b>8</b> (30 1/2" Pitch Diameter)	45	HSM 614 CHAIN 8 GAP 45 DEGREE CORNER	1112861	18"
	90	HSM 614 CHAIN 8 GAP 90 DEGREE CORNER	1117969	16"
	180	HSM 614 CHAIN 8 GAP 180 DEGREE CORNER	1119159	18"
<b>10</b> (38 1/8" Pitch Diameter)	45	HSM 614 CHAIN 10 GAP 45 DEGREE CORNER	1128056	12"
	90	HSM 614 CHAIN 10 GAP 90 DEGREE CORNER	1116700	18"
	180	HSM 614 CHAIN 10 GAP 180 DEGREE CORNER	1123463	24"



**45 Degree Idle Corner**



**90 Degree Idle Corner**



**180 Degree Idle Corner**



To order your HERCULES HSM 614 Chain Idler Corner contact a IDFI a Sales Representative at: [\(877\) 873-5858](tel:877-873-5858)

MANUFACTURED BY: **IDFI**.COM  
 PHONE: 1-877-873-5858 FAX: 1-712-224-5604

**HSM-9**

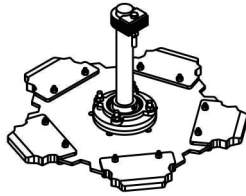


# HERCULES®

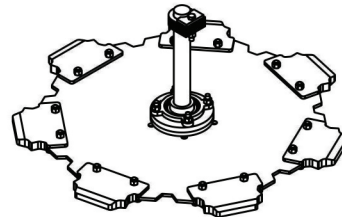
## HSM 614 CHAIN IDLE SPROCKET COMPLETE UNIT 1

The HSM 614 Chain Idle Sprocket Complete Unit 1 includes all the parts you will need to replace an entire sprocket assembly that has been worn out or damaged. Keeping this unit on hand will ensure you have the replacement parts you need when you need them.

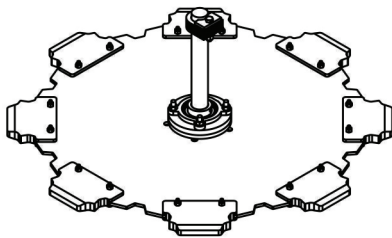
HSM 614 CHAIN



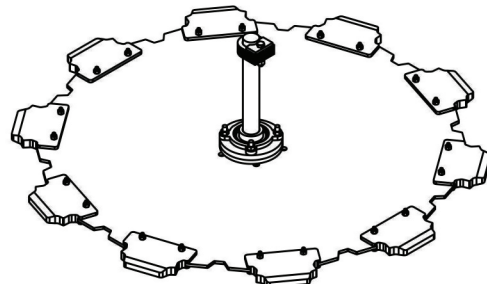
5 GAP - 1126319



7 GAP - 1120805



8 GAP - 1120596



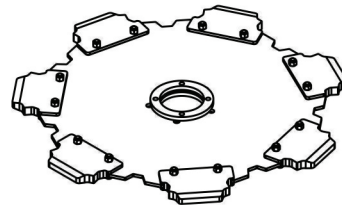
10 GAP - 1128364

## HSM 614 CHAIN IDLE SPROCKET 1

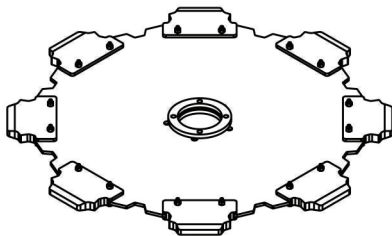
The HSM 614 Idle Sprocket 1 is a direct replacement for existing HSM 614 Chain Sprockets in your system. The sprocket is composed of a galvanized base plate with teeth, and their mounting hardware.



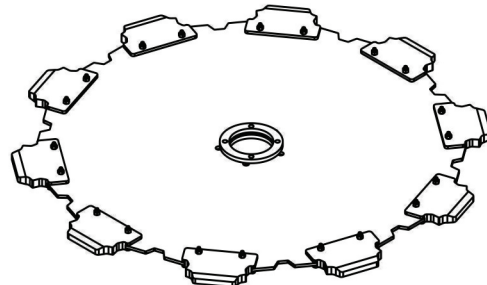
5 GAP - 1116656



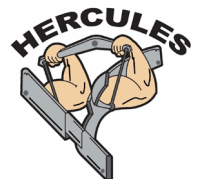
7 GAP - 1112849



8 GAP - 1120330

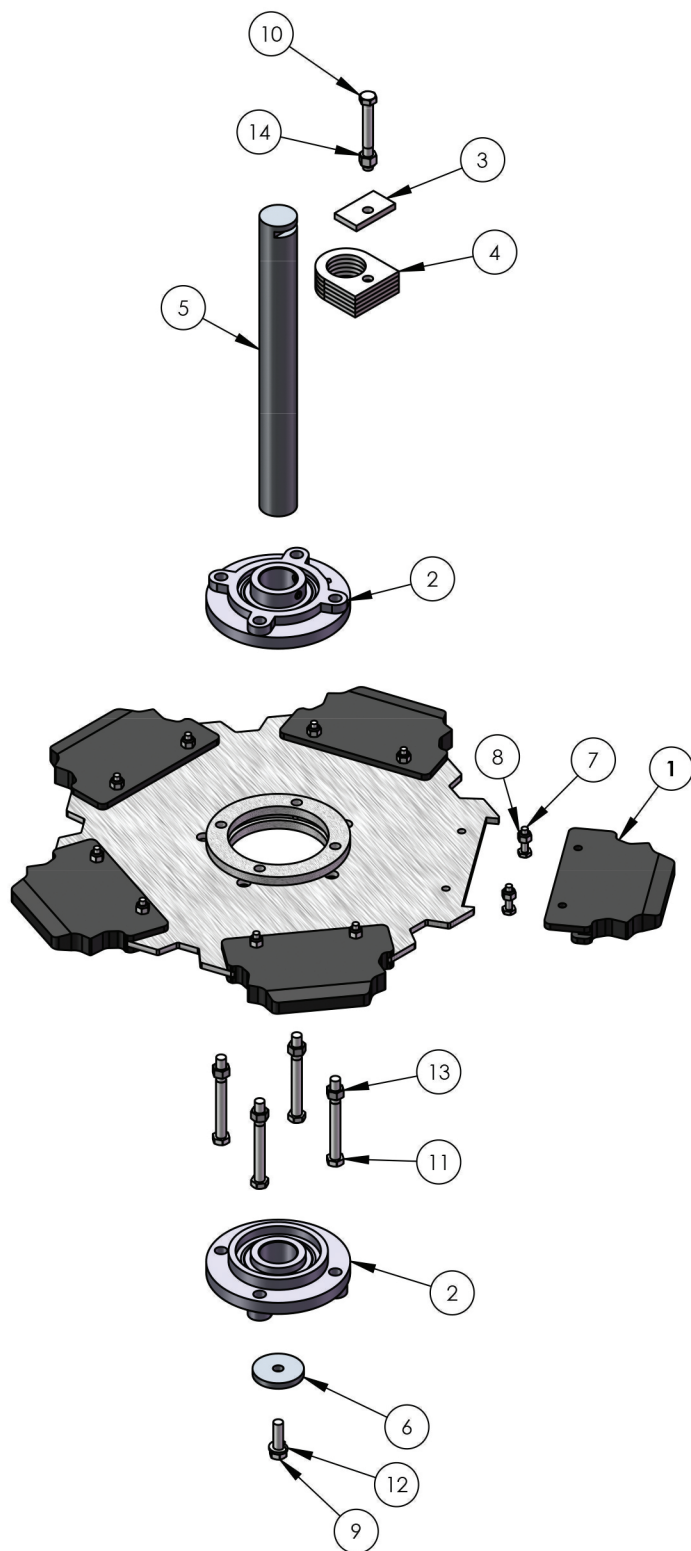


10 GAP - 1113189



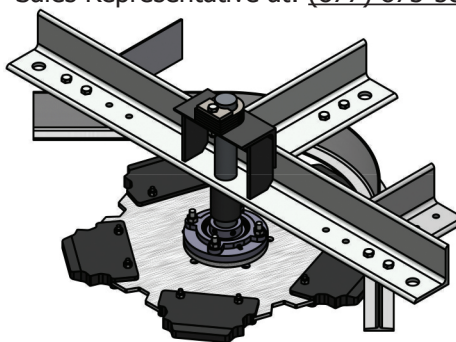
# HERCULES®

## HSM 614 CHAIN IDLE SPROCKET COMPLETE UNIT 1



The HSM 614 Chain Idle Sprocket Complete Unit 1 is a necessary part of keeping your chain functioning. Designed with the same standards of quality as the HERCULES rail switch, you can have confidence that your equipment will stand the test of time. But when the the time comes to replace parts on your equipment you will be able to easily replace the parts with completely replaceable parts. Many are used on multiple pieces of equipment making it possible for you to keep your spare parts inventory low.

To order your HERCULES HSM 614 Chain Idle Corner replacement parts contact an IDFI Sales Representative at: (877) 873-5858



ITEM NO.	Description	Part Number
1	HSM 614 CHAIN SPROCKET TOOTH UHMW	1125431
2	4 BOLT PILOTED BEARING	1112263
3	HSM SHAFT LOCK PLATE 1	1123729
4	HSM SPACER PLATE 1	1126892
5	HSM IDLE SHAFT 1	1118452
6	HSM IDLE RETAINER WASHER	1119345
7	1/4-20 X 1" HEX HEAD BOLT	1116092
8	1/4-20 NYLOCK NUT	1115658
9	3/8-16 X 1 1/4" HEX HEAD BOLT	1115531
10	3/8-16 X 3" HEX HEAD BOLT	1119376
11	3/8-16 X 3 1/2" HEX HEAD BOLT	1123035
12	3/8" LOCK WASHER	1112923
13	3/8-16 CENTER LOCK NUT	1117475
14	3/8-16 NYLOCK NUT	1111266

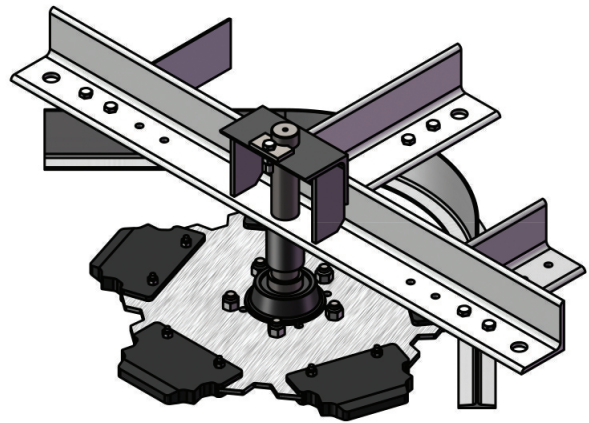


# HERCULES®

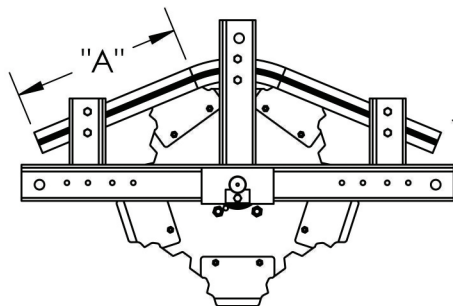
## HSM 614 CHAIN IDLE CORNER COMPLETE UNIT 2

HSM 614 CHAIN

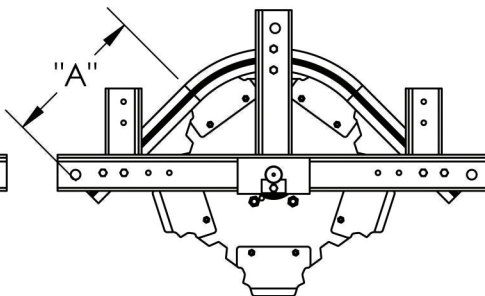
The HSM 614 Chain Idle Corner 2 is offered in three standard corner designs (45 Deg., 90 Deg., 180 Deg.). Just like all other parts of the HSM 614 Chain the corners are designed to be a direct replacement for cable conveyor corners, making it an ideal option for a fast, easy switch from a cable system to the HSM 614 Chain system. The corners are also designed with completely replaceable parts, that are able to be used on all three different turns, as well as other HSM 614 Chain system components.



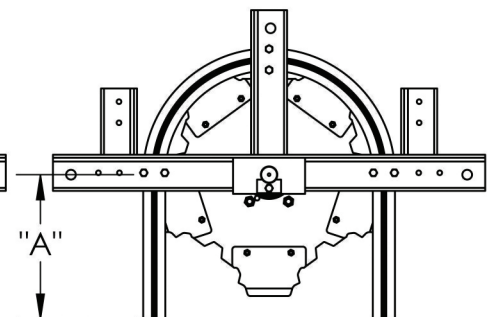
Tooth Count	Degree Of Corner	Description	Complete Unit Part Number	"A"
<b>5</b> (19 1/8" Pitch Diameter)	45	HSM 614 CHAIN 5 GAP 45 DEGREE CORNER	1116404	14"
	90	HSM 614 CHAIN 5 GAP 90 DEGREE CORNER	1114334	12"
	180	HSM 614 CHAIN 5 GAP 180 DEGREE CORNER	1112021	12"
<b>7</b> (26 5/8" Pitch Diameter)	45	HSM 614 CHAIN 7 GAP 45 DEGREE CORNER	1115224	18"
	90	HSM 614 CHAIN 7 GAP 90 DEGREE CORNER	1116453	16"
	180	HSM 614 CHAIN 7 GAP 180 DEGREE CORNER	1129010	18"
<b>8</b> (30 1/2" Pitch Diameter)	45	HSM 614 CHAIN 8 GAP 45 DEGREE CORNER	1123275	18"
	90	HSM 614 CHAIN 8 GAP 90 DEGREE CORNER	1120633	16"
	180	HSM 614 CHAIN 8 GAP 180 DEGREE CORNER	1126828	18"
<b>10</b> (38 1/8" Pitch Diameter)	45	HSM 614 CHAIN 10 GAP 45 DEGREE CORNER	1111294	12"
	90	HSM 614 CHAIN 10 GAP 90 DEGREE CORNER	1120560	18"
	180	HSM 614 CHAIN 10 GAP 180 DEGREE CORNER	1120744	24"



**45 Degree Idle Corner**



**90 Degree Idle Corner**



**180 Degree Idle Corner**

To order your HERCULES HSM 614 Chain Idler Corner contact a IDFI a Sales Representative at: [\(877\) 873-5858](tel:877-873-5858)

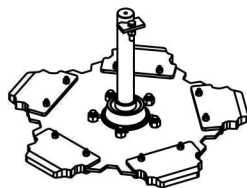


# HERCULES®

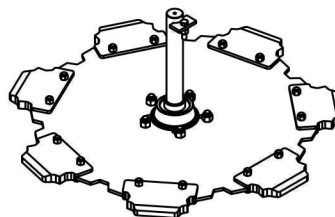
## HSM 614 CHAIN IDLE SPROCKET COMPLETE UNIT 2

The HSM 614 Chain Idle Sprocket Complete Unit 2 includes all the parts you will need to replace an entire sprocket assembly that has been worn out or damaged. Keeping this unit on hand will ensure you have the replacement parts you need when you need them.

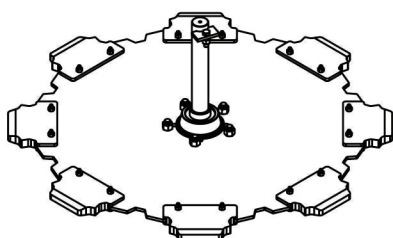
HSM 614 CHAIN



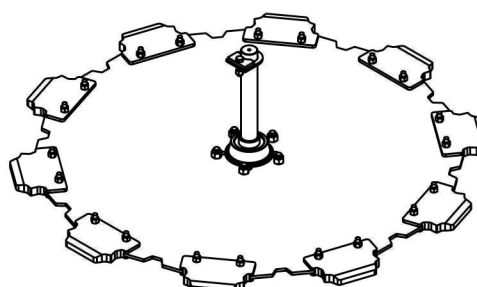
5 GAP - 1115388



7 GAP - 1128589



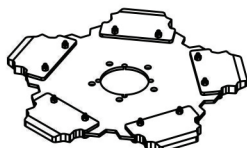
8 GAP - 1122374



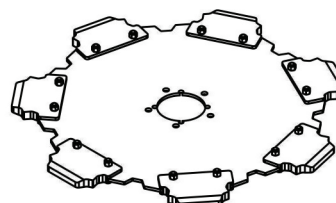
10 GAP - 1123674

## HSM 614 CHAIN IDLE SPROCKET 2

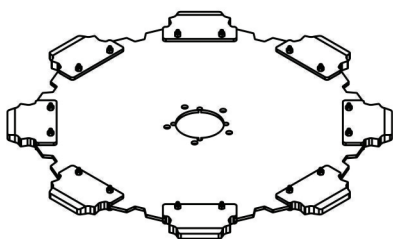
The HSM 614 Idle Sprocket 2 is a direct replacement for existing HSM 614 Chain Sprockets in your system. The sprocket is composed of a galvanized base plate with teeth, and their mounting hardware.



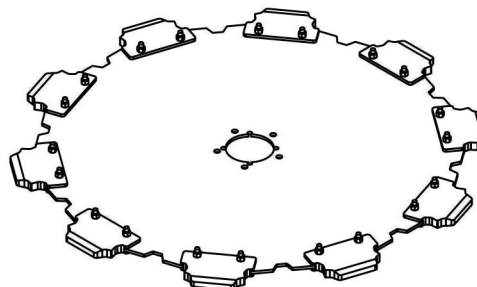
5 GAP - 1116029



7 GAP - 1126662



8 GAP - 1115114



10 GAP - 1129820



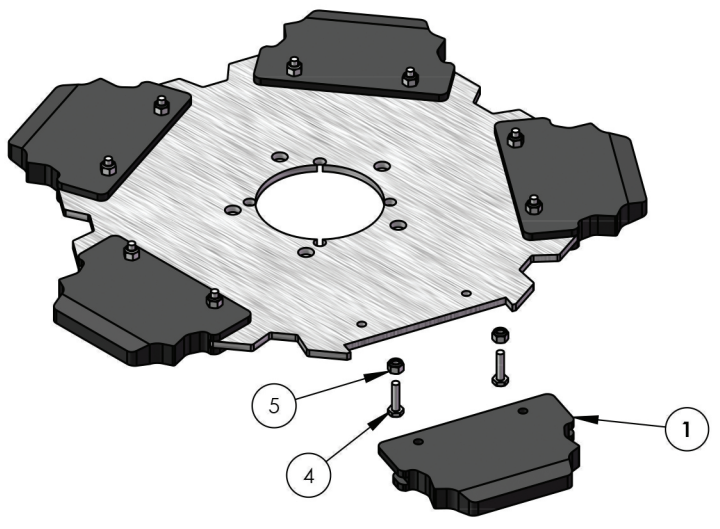
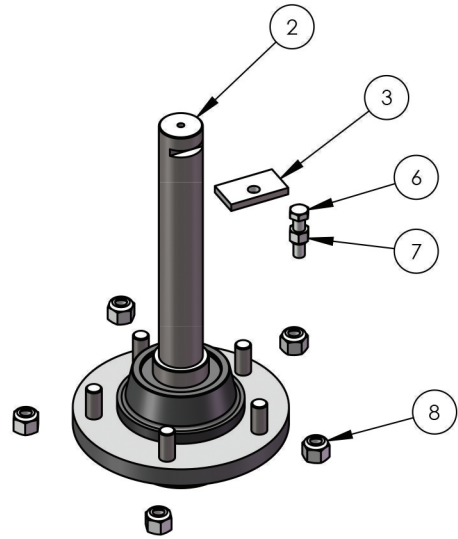
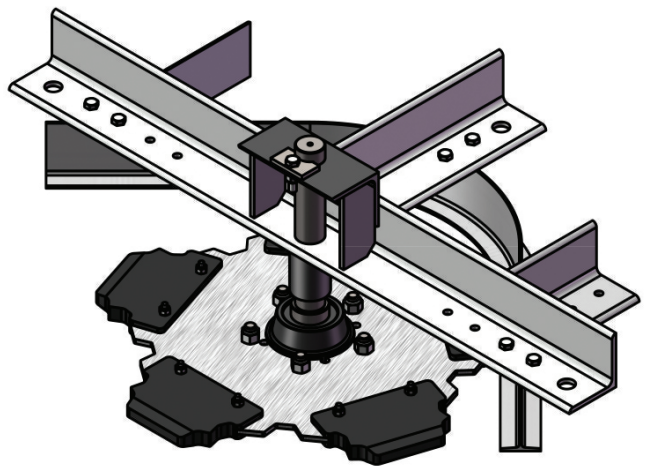


# HERCULES<sup>®</sup>

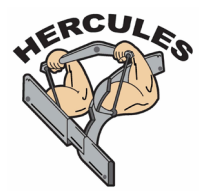
## HSM 614 CHAIN IDLE SPROCKET COMPLETE UNIT 2

The HSM 614 Chain Idle Sprocket Complete Unit 2 is a necessary part of keeping your chain functioning. Designed with the same standards of quality as the HERCULES rail switch, you can have confidence that your equipment will stand the test of time. But when the the time comes to replace parts on your equipment you will be able to easily replace the parts with completely replaceable parts. Many are used on multiple pieces of equipment making it possible for you to keep your spare parts inventory low.

To order your HERCULES HSM 614 Chain Idle Corner replacement parts contact an IDFI Sales Representative at: [\(877\) 873-5858](tel:877-873-5858)



ITEM NO.	Description	Part Number
1	HSM 614 CHAIN SPROCKET TOOTH UHMW	1125431
2	5 PIN AXLE HUB	1111400
3	HSM SHAFT LOCK PLATE 1	1123729
4	1/4-20 X 1" HEX HEAD BOLT	1116092
5	1/4-20 NYLOCK NUT	1115658
6	3/8-16 X 3" HEX HEAD BOLT	1119376
7	3/8-16 NYLOCK NUT	1111266
8	1/2-16 NYLOCK NUT	1122841

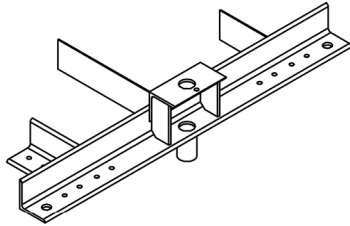


# HERCULES®

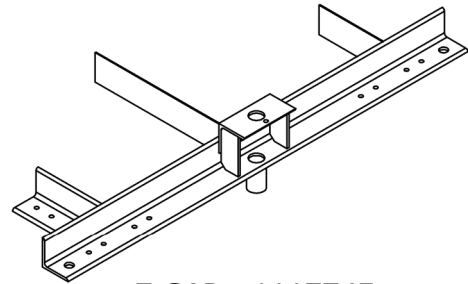
## HSM 614 CHAIN IDLE CORNER FRAMES

The HSM Idle Corner Frame is used in both standard complete units. The frames are galvanized mild steel to help prevent rust and to help keep the system clean. All HSM Idle Corner Frames are designed to work with all three of the standard turn degrees (45, 90, 180) on all four standard sprockets (5, 7, 8, 10).

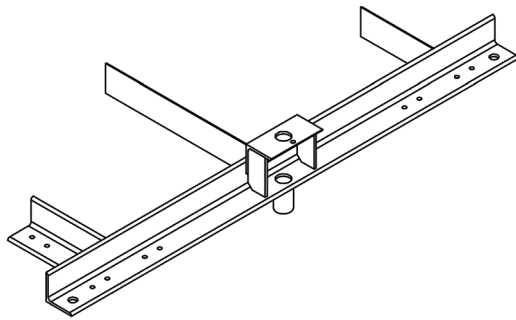
HSM 614 CHAIN



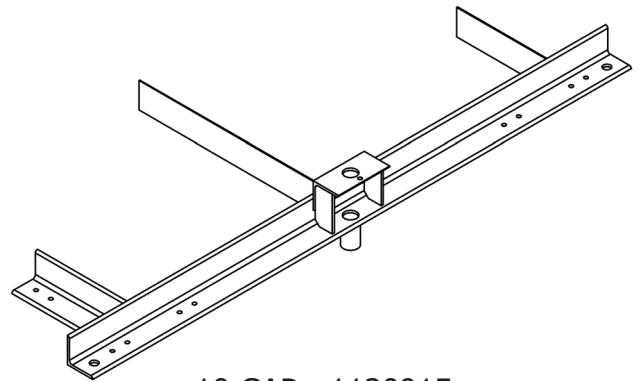
5 GAP - 1127467



7 GAP - 1117745



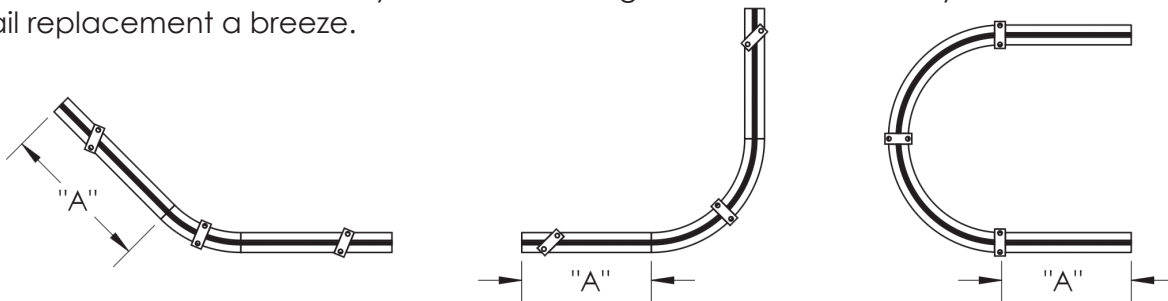
8 GAP - 1120286



10 GAP - 1120915

## HSM 614 CHAIN T RAIL CORNERS

HSM 614 Chain T Rail corners come in three standard degrees (45, 90, 180) for all four standard sprockets. The T Rail corners are galvanized to help prevent rust, and to help keep your system clean. All HSM T Rail Corners will fit into any standard existing HSM or Cable conveyor corner frame making corner rail replacement a breeze.

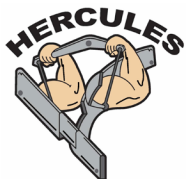


Corner Degree	5 GAP	"A"
45	1122654	14"
90	1125228	12"
180	1124737	12"

Corner Degree	7 GAP	"A"
45	1128442	18"
90	1119170	16"
180	1118778	18"

Corner Degree	8 GAP	"A"
45	1122727	18"
90	1114259	16"
180	1111421	18"

Corner Degree	10 GAP	"A"
45	1122500	12"
90	1125888	18"
180	1129215	24"



# HERCULES®

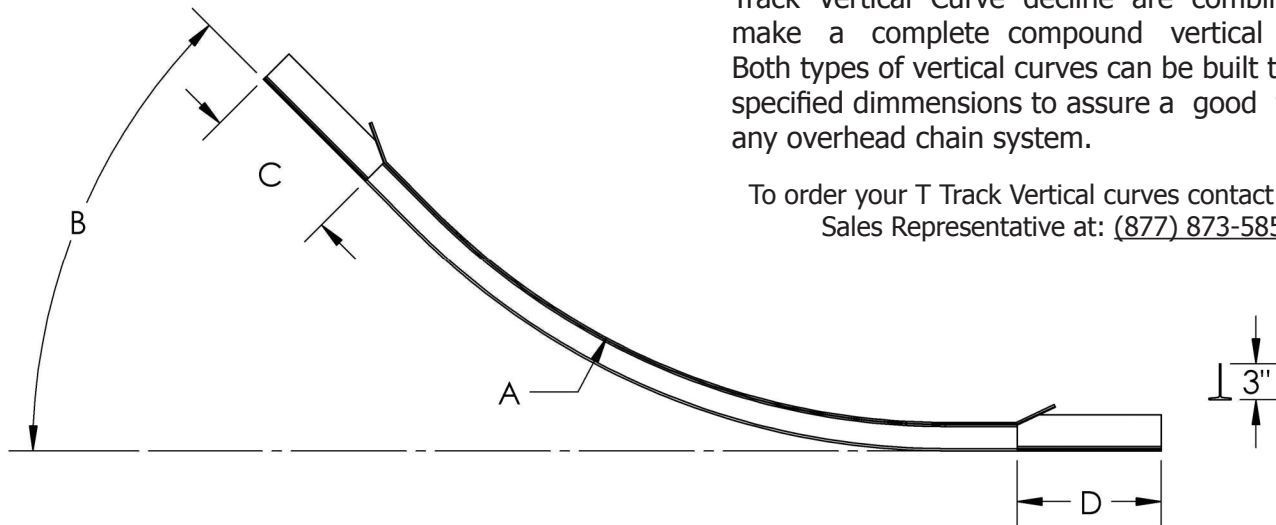
## TEE TRACK VERTICAL CURVE INCLINE

**PART NUMBER: 1115092**

**HSM 614 CHAIN**

The Tee Track Vertical Curve incline, and Tee Track Vertical Curve decline are combined to make a complete compound vertical curve. Both types of vertical curves can be built to your specified dimensions to assure a good fit into any overhead chain system.

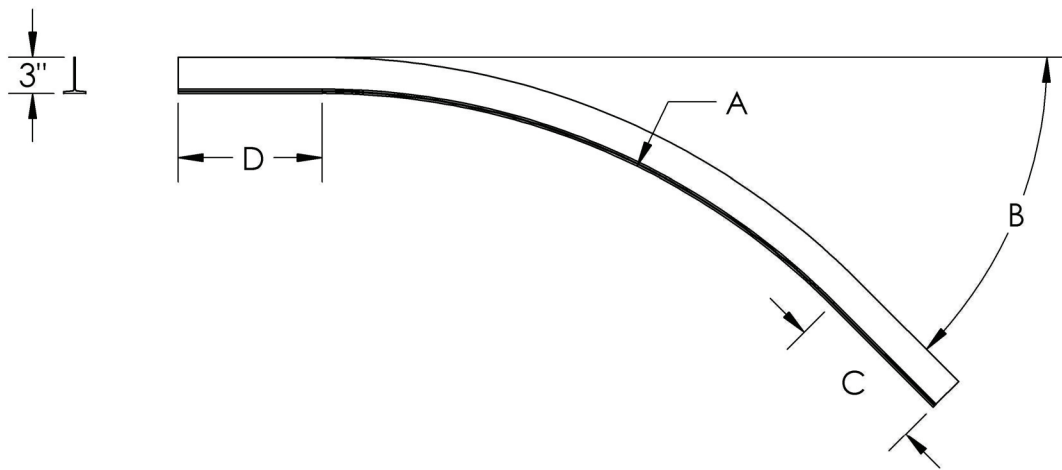
To order your T Track Vertical curves contact an IDFI Sales Representative at: [\(877\) 873-5858](tel:877-873-5858)



Description	Letter	Standard	Custom
RADIUS	A	60"	
BEND DEGREE	B	45 Degree	
TANGENT 1	C	12"	
TANGENT 2	D	12"	

## TEE TRACK VERTICAL CURVE DECLINE

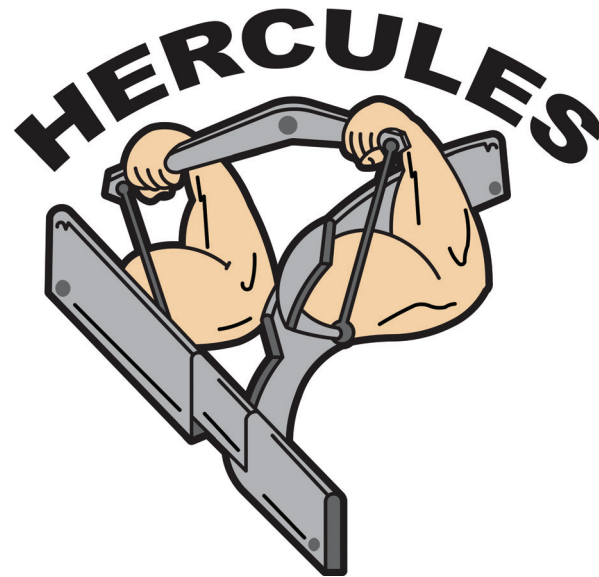
**PART NUMBER: 1119109**



Description	Letter	Standard	Custom
RADIUS	A	60"	
BEND DEGREE	B	45 Degree	
TANGENT 1	C	12"	
TANGENT 2	D	12"	







### 348/458/678 ROLLER I BEAM ENGINEERED CHAIN SECTION

The Roller-I-Beam overhead chain conveyor system is the simplest overhead system available. With multiple chain types, and numerous chain attachments the Roller-I-Beam chain will accomplish most any job you may have in your plant. But no system will function properly without the proper equipment. With HERCULES Roller-I-Beam components you'll be getting the strength and reliability that you get with the HERCULES switches. Which means less downtime, and easier maintenance.

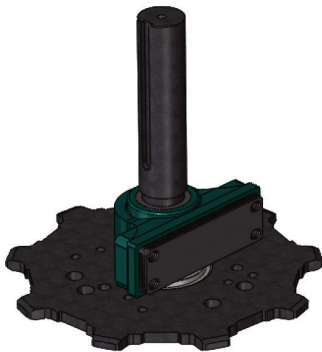
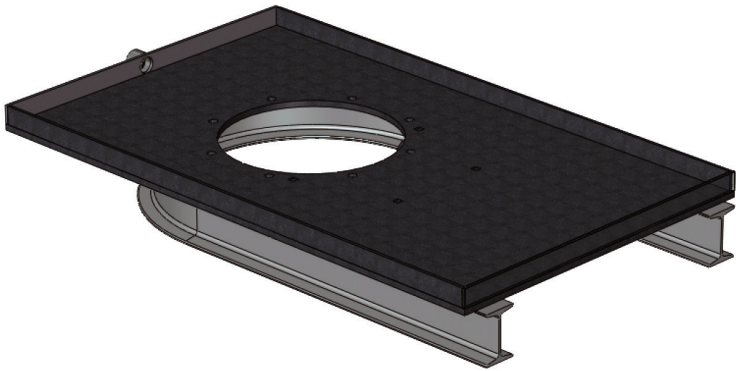
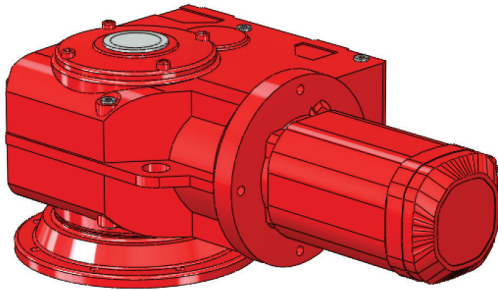
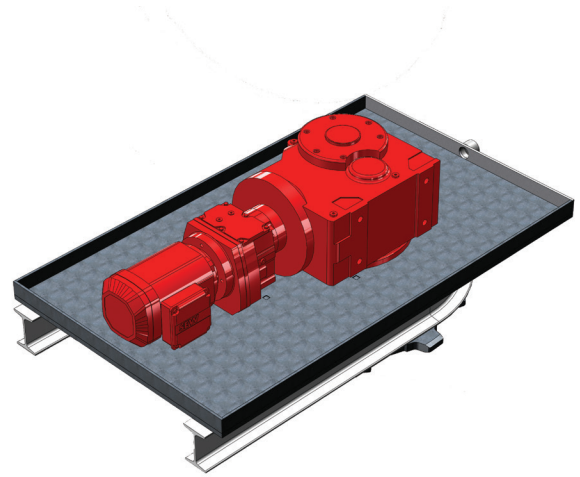
Table Of Contents	
ROLLER I BEAM STATIONARY DRIVE	18-RIB
ROLLER I BEAM MANUAL/PNEUMATIC TAKEUP ORDERING GUIDE	19-RIB
ROLLER I BEAM 458 TAKEUP MANUAL/PNEUMATIC COMMON PARTS	20-RIB
ROLLER I BEAM TRACTION WHEEL CORNER INFORMATION	21-RIB
ROLLER I BEAM 348 TRACTION WHEEL CORNER	22-RIB
ROLLER I BEAM 458 TRACTION WHEEL CORNER	23-RIB
ROLLER I BEAM 678 TRACTION WHEEL CORNER - 4INCH S BEAM	24-RIB
ROLLER I BEAM 678 TRACTION WHEEL CORNER - 6INCH S BEAM	25-RIB
ROLLER I BEAM TRACTION WHEEL CORNER COMMON PARTS	26-RIB
ROLLER I BEAM ROLLER CORNERS	27-RIB
ROLLER I BEAM 4INCH S BEAM VERTICAL CURVE	28-RIB
ROLLER I BEAM 6INCH S BEAM VERTICAL CURVE	29-RIB
ROLLER I BEAM BUILT UP CORNER 45 DEGREE WITH SLAP RAIL	30-RIB
ROLLER I BEAM BUILT UP CORNER 60 DEGREE WITH SLAP RAIL	31-RIB
ROLLER I BEAM BUILT UP CORNER 90 DEGREE WITH SLAP RAIL	32-RIB
ROLLER I BEAM BUILT UP CORNER 180 DEGREE WITH SLAP RAIL	33-RIB
ROLLER I BEAM COMMON TRACK AND ROLLER I BEAM HANGERS	34-RIB
ROLLER I BEAM AND TRACK HANGER ORDERING GUIDE	35-RIB
ROLLER I BEAM CHAIN SPACING GUIDE	36-RIB

# HERCULES®

## ROLLER I BEAM STATIONARY DRIVE

The most vital part of any overhead chain system is the unit that drives it. So you're going to want to know that the unit you have is going to be strong, and reliable. The unit you're going to want is the HERCULES Stationary Drive. All HERCULES drive units use name brand motors to power the sprocket, which is equipped with the right size shear pin hub for your system.

No matter what kind of system it is the HERCULES Stationary Drive can be installed to work with it whether it be a constant speed system, a variable speed system, or a multi drive system it will fit right in meeting, and exceeding your expectations.



458-STATIONARY DRIVE WITH 9 TOOTH SPROCKET SHOWN

### ORDERING INFORMATION

To assure that you are ordering the right drive for your system. Make sure you know all the information listed below.

SYSTEM LENGTH: \_\_\_\_\_  
 LOADED LENGTH: \_\_\_\_\_  
 RETURN LENGTH: \_\_\_\_\_  
 ELEVATIONS CHANGES:  
 \*ELEVATION CHANGE 1: \_\_\_\_\_  
 \*ELEVATION CHANGE 2: \_\_\_\_\_  
 \*ELEVATION CHANGE 3: \_\_\_\_\_  
 \*ELEVATION CHANGE 4: \_\_\_\_\_  
 NUMBER OF 45 DEG. CORNERS: \_\_\_\_\_  
 NUMBER OF 90 DEG. CORNERS: \_\_\_\_\_  
 NUMBER OF 180DEG. CORNERS: \_\_\_\_\_  
 DRIVE BRAND: \_\_\_\_\_  
 SYSTEM SPEED: \_\_\_\_\_  
 DRIVE SPROCKET TEETH COUNT:  
 5          7          8          10  
 PRODUCT SPACING: \_\_\_\_\_  
 PRODUCT WEIGHT: \_\_\_\_\_

To order you HERCULES Stationary Drive contact a Sales Representative: (877) 873-5858



# HERCULES®

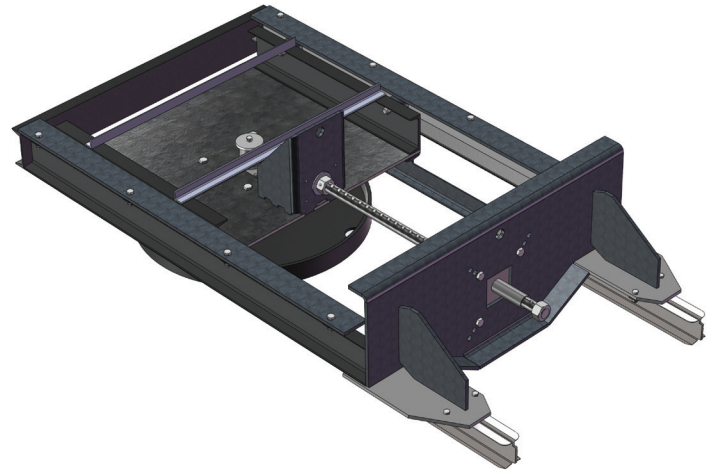
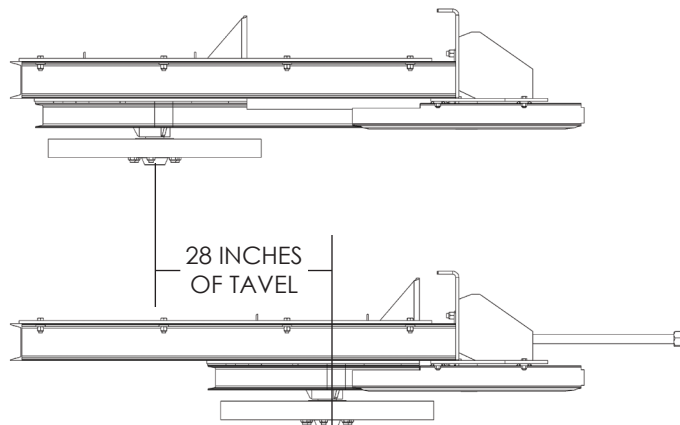
## ROLLER I BEAM MANUAL/PNEUMATIC TAKEUP ORDERING GUIDE

### Choosing your Takeup

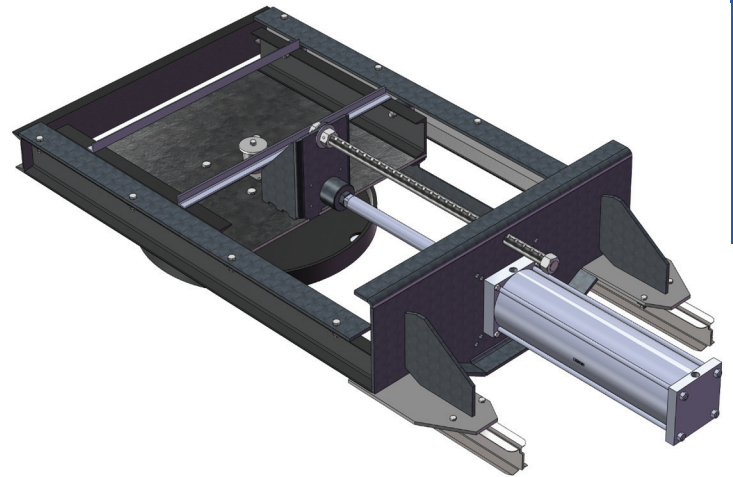
When selecting the right takeup for your overhead system some items to take into consideration are the length of your system, the chain pull, and the conditions the system will operate in.

Most systems will function fine with a Manual Takeup unit. The Manual takeup is designed for easy initial adjustment. Once set to the desired operational location adjustment should not be necessary unless you alter or extended your system.

For unusually long systems with a high chain pull or operating in areas with a temperature change a pneumatic takeup is recommended. Air cylinder units are preferred for their flexibility. With easy initial setup, and accurate adjustments through the use of an air pressure regulator the pneumatic takeup keeps you up and running.



MANUAL TAKEUP



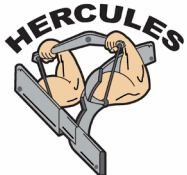
PNEUMATIC TAKEUP

ROLLER I BEAM

### ROLLER I BEAM MANUAL/PNEUMATIC TAKEUP STANDARD OPTIONS

The HERCULES Takeup is offered for use with 348, 458, and 678 chain with the standard models being the 458 HERCULES Takeup models. The unique design of the HERCULES Takeup allows it to have universal replacement parts that can be used on all three Takeup styles. The design of the Takeup also allows you to easily switch your system from a manual system to a pneumatic system with little time lost. Accepts 8, 10, or 12 inch bore cylinders to match your requirements.

Pitch Diameter	Description	Part Number
24	458 TAKEUP ROLLER I BEAM 28INCH STROKE 24INCH PITCH DIAMETER 4INCH S BEAM	1125564
30	458 TAKEUP ROLLER I BEAM 28INCH STROKE 30INCH PITCH DIAMETER 4INCH S BEAM	1127261
36	458 TAKEUP ROLLER I BEAM 28INCH STROKE 36INCH PITCH DIAMETER 4INCH S BEAM	1125355
48	458 TAKEUP ROLLER I BEAM 28INCH STROKE 48INCH PITCH DIAMETER 4INCH S BEAM	1126291



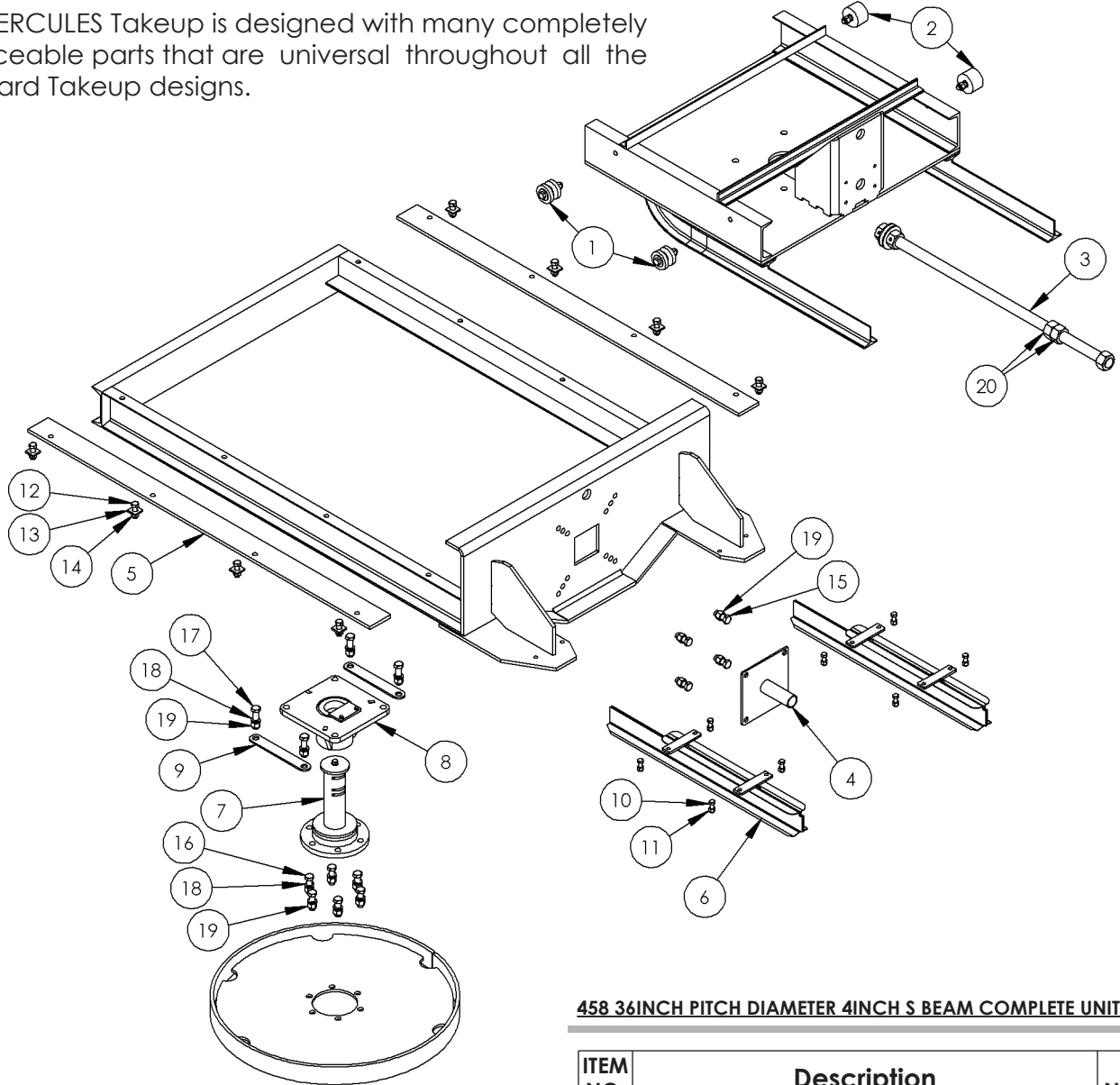
**For Pneumatic takeups, and takeups for 678 chain contact an IDFI sales representative at: (877) 873-5858**

MANUFACTURED BY: **IDFI**.COM  
 PHONE: 1-877-873-5858 FAX: 1-712-224-5604

# HERCULES®

## ROLLER I BEAM 458 TAKEUP MANUAL/PNEUMATIC COMMON PARTS

The HERCULES Takeup is designed with many completely replaceable parts that are universal throughout all the standard Takeup designs.

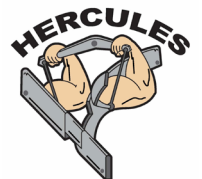


458 36INCH PITCH DIAMETER 4INCH S BEAM COMPLETE UNIT SHOWN

ITEM NO.	Description	Part Number
1	TAKEUP INNER FRAME GUIDE WHEEL ASSEMBLY	1121344
2	TAKEUP INNER FRAME SOLID WHEEL ASSEMBLY	1116213
3	TAKEUP 28INCH MANUAL ADJUSTMENT ROD KIT	1121660
4	TAKEUP MANUAL CONVERSION GUIDE	1119213
5	TAKEUP ROLLER I BEAM EDGE PLATE	1128466
6	TAKEUP RIB FORMED CHANNEL FAB	1116953
7	TRACTION WHEEL HUB	1120454
8	TRACTION WHEEL HUB SLEEVE	1112856
9	TAKEUP ROLLER I BEAM HUB SPACER	1124150

ITEM NO.	Description	Part Number
10	1/2-13 X 1 1/2" HEX HEAD BOLT	1114890
11	1/2-13 NYLOCK NUT	1113761
12	5/8-11 X 2" HEX HEAD BOLT	1117046
13	5/8" WEDGE WASHER	1119104
14	5/8-11 NYLOCK NUT	1113422
15	3/4-10 X 2" HEX HEAD BOLT	1125271
16	3/4-10 X 2 1/2" HEX HEAD BOLT	1119663
17	3/4-10 X 3" HEX HEAD BOLT	1121486
18	3/4" LOCK WASHER	1118237
19	3/4-10 NYLOCK NUT	1114776
20	1 1/2-6 HEX NUT	1119027

ROLLER I BEAM



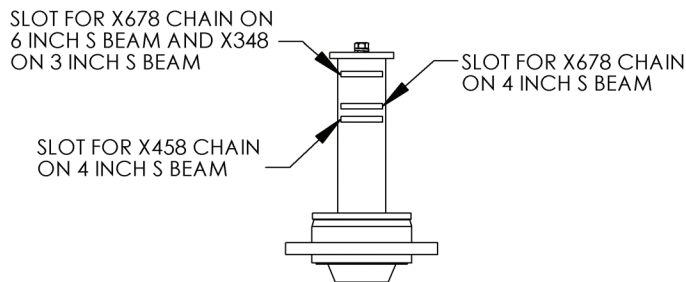


# HERCULES®

## ROLLER I BEAM TRACTION WHEEL CORNER INFORMATION

The HERCULES Traction Wheel Corner is designed to withstand whatever your system throws at it. While assuring that it keeps your power chain and trolley's in proper alignment while negotiating horizontal turns in your system. Keeping you up and running, and on schedule.

If ever the need does arise for parts. The HERCULES Traction Wheel Corner assemblies are all made to use easily replaceable parts. Saving you time waiting for a new corner, and the hassle of install.

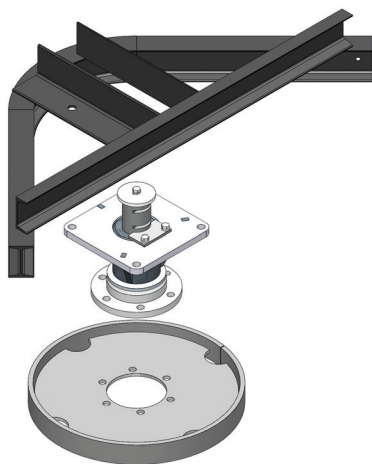


TRACTION WHEEL HUB ASSY

Traction Wheel Corners are offered in six different standard sizes (18", 24", 30", 42" 48") and five different corner angles (30 deg, 45 deg, 60 deg, 90 deg, 180 deg) with custom corner frames available upon request.

All 458, and 678 HERCULES Traction Wheel Corners are designed using a two bearing hub assembly that is designed to lower operating cost, and reduce down time for maintance.

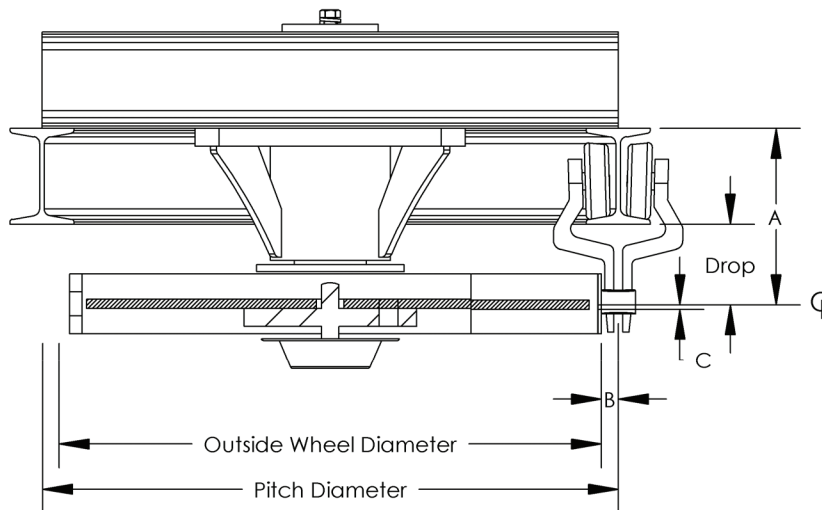
All three chain types are controlled by a Traction Wheel at the required height no matter what type of chain you're running.



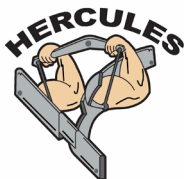
90 DEGREE 458 30INCH PD CORNER SHOWN

ROLLER I BEAM

## ROLLER I BEAM MANUAL/PNEUMATIC TAKEUP STANDARD OPTIONS



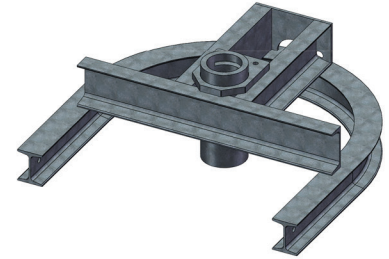
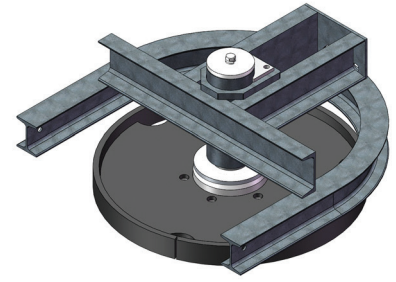
Chain & Beam Size	A	B	C	Chain Drop	Availble Traction Wheel Sizes
3inch S Beam/348	5 1/2"	1/2"	-	2 1/2"	18",24",30",36",42",48"
4inch S Beam/458	7 3/16"	11/16"	3/16"	3 3/16"	18",24",30",36",42",48"
4inch S Beam/678	7 7/16"	1"	3/16"	3 7/16"	18",24",30",36",42",48"
6inch S Beam/678	10"	1"	3/16"	4"	18",24",30",36",42",48"



# HERCULES®

## ROLLER I BEAM 348 TRACTION WHEEL CORNER 3 INCH S BEAM 2 1/2 INCH DROP

This 348 Roller I Beam Traction Wheel Corner Unit is designed to work with any 348 Roller I Beam overhead chain system with 3 inch S Beams. The sturdy design of the corner will allow it to take a harsh beating for years while still functioning the way you need it to.

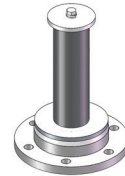


**3 Inch S Beam Frame**



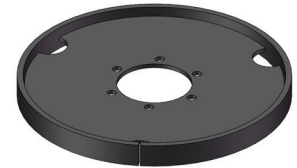
**Hub Sleeve**

Part Number: 1114440



**Traction Wheel Hub Assy**

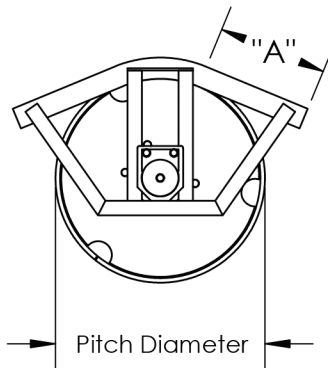
Part Number: 1120454



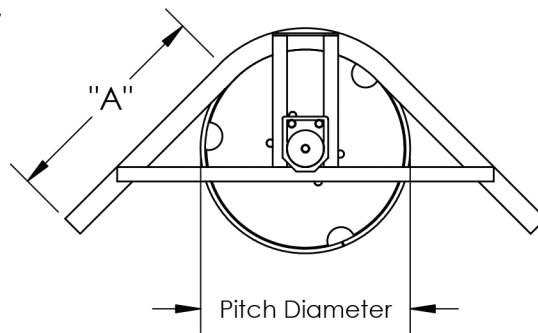
**348 Traction Wheel**

ROLLER I BEAM

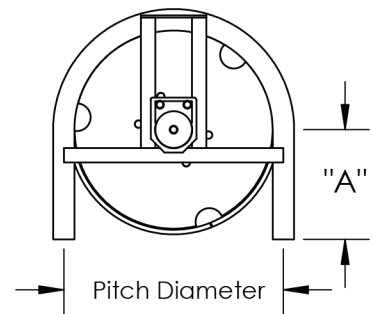
Pitch Diameter	Corner Degree	348 Complete Unit Part Number	3 Inch S Beam Frames	"A"	348 Traction Wheel
18"	30	1127733	1128062	12"	1123131
	45	1127390	1112126	12"	
	60	1120459	1129770	12"	
	90	1124512	1129718	27"	
	180	1117875	1111262	12"	
24"	30	1129508	1126070	12"	1112210
	45	1118489	1123090	12"	
	60	1117316	1125714	12"	
	90	1112104	1116367	30"	
	180	1119951	1121031	12"	
30"	30	1120095	1118819	12"	1115283
	45	1124293	1128054	12"	
	60	1122397	1129194	12"	
	90	1117940	1111850	33"	
	180	1124136	1113861	12"	
36"	45	1118248	1116713	12"	1118895
	60	1129975	1122411	12"	
	90	1115151	1124211	36"	
	180	1113203	1122291	12"	
42"	180	1124285	1127165	12"	1116653
48"	180	1119013	1127669	12"	1121545



30, 45, & 60 DEGREE TURNS



90 DEGREE TURNS



180 DEGREE TURNS

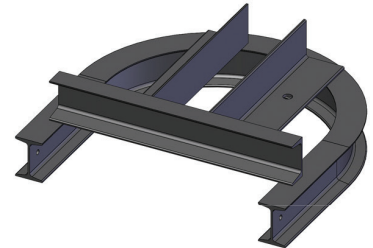
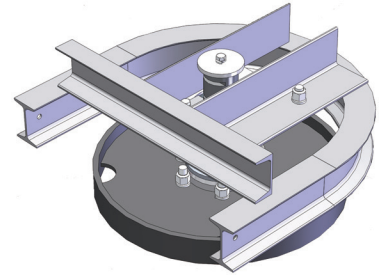
To order your 348 Traction Wheel Unit contact an IDFI Sales representative at: **(877) 873-5858**



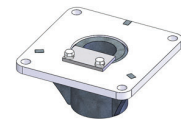
# HERCULES®

## ROLLER I BEAM 458 TRACTION WHEEL CORNER 4 INCH S BEAM 3 3/16 INCH DROP

This 458 Roller I Beam Traction Wheel Corner Unit is designed to work with any 458 Roller I Beam overhead chain system with 4 inch S Beams. The sturdy design of the corner will allow it to take a harsh beating for years while still functioning the way you need it to.



**4 Inch S Beam Frame**



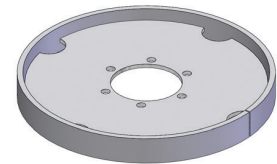
**Hub Sleeve**

Part Number: 1114440



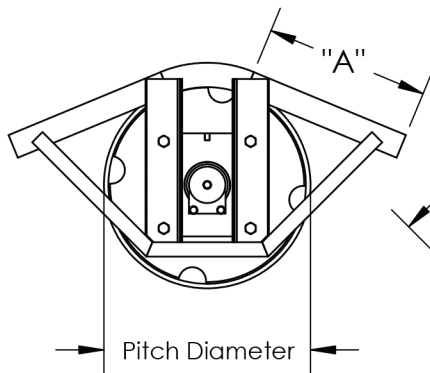
**Traction Wheel Hub Assy**

Part Number: 1120454

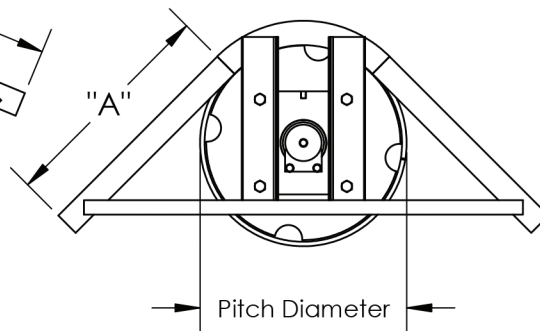


**458 Traction Wheel**

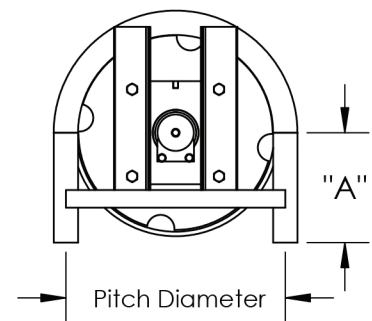
Pitch Diameter	Corner Degree	458 Complete Unit Part Number	4 Inch S Beam Frames	"A"	458 Traction Wheel
18"	30	1120142	1117463	18"	1120914
	45	1122046	1121073	18"	
	60	1121331	1111871	18"	
	90	1124733	1124669	27"	
	180	1114454	1125899	12"	
24"	30	1115550	1125063	18"	1114478
	45	1120192	1112405	18"	
	60	1128663	1116260	18"	
	90	1118943	1126868	24 9/16"	
	180	1119605	1124787	12"	
30"	30	1117502	1112827	18"	1120462
	45	1116351	1124671	18"	
	60	1128007	1127243	18"	
	90	1122531	1116230	28 1/4"	
	180	1114367	1121948	12"	
36"	45	1112235	1113660	18"	1111214
	60	1115697	1128760	18"	
	90	1116712	1122026	30"	
	180	1116586	1119507	12"	
42"	180	1119901	1113220	12"	1114523
48"	180	1129595	1123477	12"	1128843



30, 45, & 60 DEGREE TURNS



90 DEGREE TURNS



180 DEGREE TURNS



To order your 458 Traction Wheel Unit contact an IDFI Sales representative at: (877) 873-5858

MANUFACTURED BY: IDFI .COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604

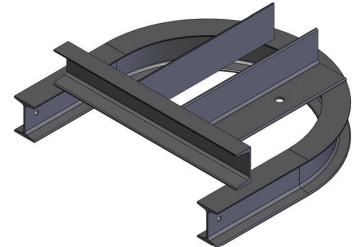
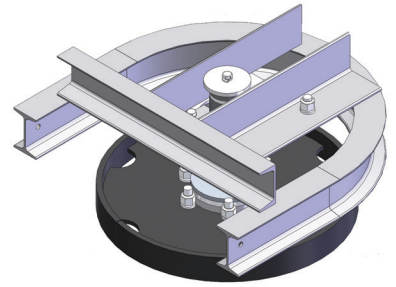
# HERCULES<sup>®</sup>

## ROLLER I BEAM 678 TRACTION WHEEL CORNER

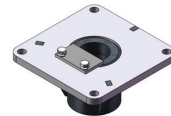
### 4 INCH S BEAM

### 3 7/16 INCH DROP

This 678 Roller I Beam Traction Wheel Corner Unit is designed to work with any 678 Roller I Beam overhead chain system with 4 inch S Beams. The sturdy design of the corner will allow it to take a harsh beating for years while still functioning the way you need it to.

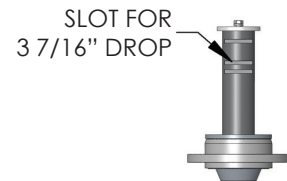


**4 Inch S Beam Frame**



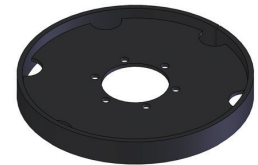
**Hub Sleeve**

Part Number: 1114440

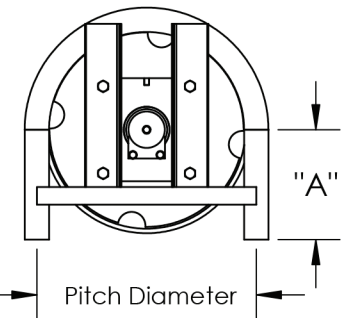


**Traction Wheel Hub Assy**

Part Number: 1120454

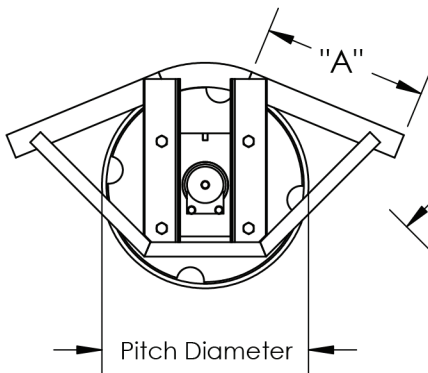


**678 Traction Wheel**

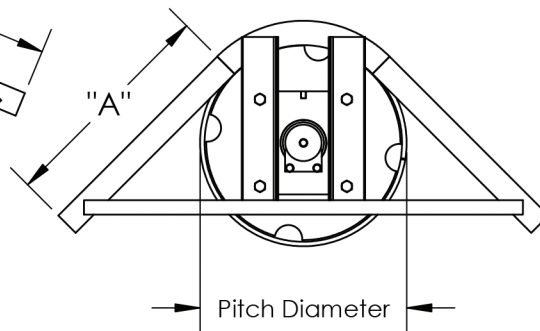


180 DEGREE TURNS

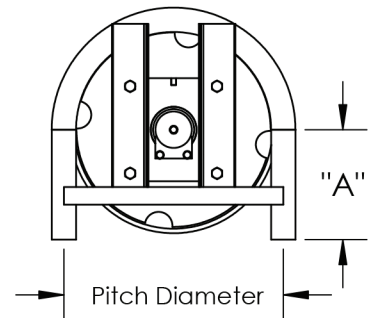
Pitch Diameter	Corner Degree	678 4Inch S Beam Complete Unit Part Number	4 Inch S Beam Frames	"A"	678 Traction Wheel
18"	30	1126131	1117463	18"	1128774
	45	1126331	1121073	18"	
	60	1117336	1111871	18"	
	90	1119165	1124669	27"	
	180	1118524	1125899	12"	
24"	30	1127093	1125063	18"	1112810
	45	1125014	1112405	18"	
	60	1124240	1116260	18"	
	90	1112844	1126868	24 9/16"	
	180	1112346	1124787	12"	
30"	30	1124314	1112827	18"	1124269
	45	1115438	1124671	18"	
	60	1128447	1127243	18"	
	90	1117336	1116230	28 1/4"	
	180	1119288	1121948	12"	
36"	45	1120645	1113660	18"	1126576
	60	1125362	1128760	18"	
	90	1128439	1122026	30"	
	180	1119559	1119507	12"	
42"	180	1126745	1113220	12"	1115390
48"	180	1118861	1123477	12"	1119489



30, 45, & 60 DEGREE TURNS



90 DEGREE TURNS



180 DEGREE TURNS

To order your 678 Traction Wheel Unit contact a IDFI Sales representative at: (877) 873-5858

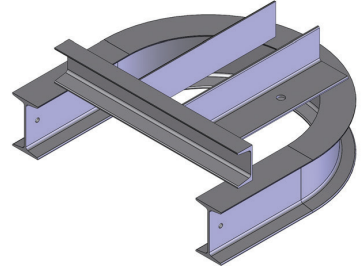
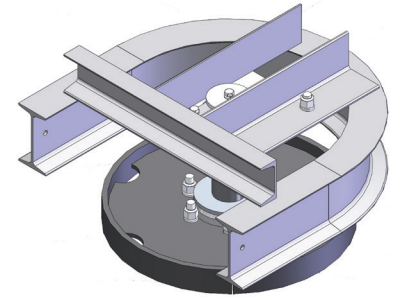




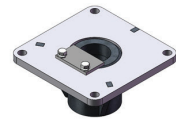
# HERCULES®

## ROLLER I BEAM 678 TRACTION WHEEL CORNER 6 INCH S BEAM 4 3/16 INCH DROP

This 678 Roller I Beam Traction Wheel Corner Unit is designed to work with any 678 Roller I Beam overhead chain system with 6 inch S Beams. The sturdy design of the corner will allow it to take a harsh beating for years while still functioning the way you need it to.

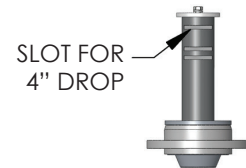


**6 Inch S Beam Frame**



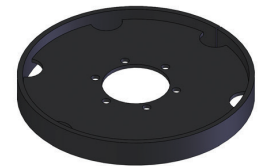
**Hub Sleeve**

Part Number: 1114440



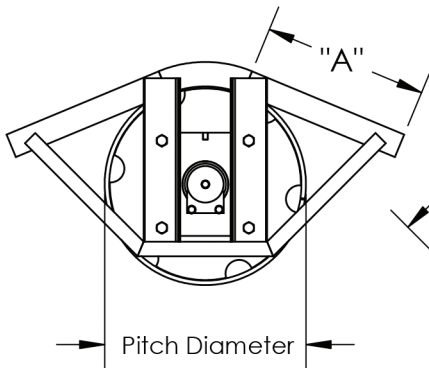
**Traction Wheel Hub Assy**

Part Number: 1120454

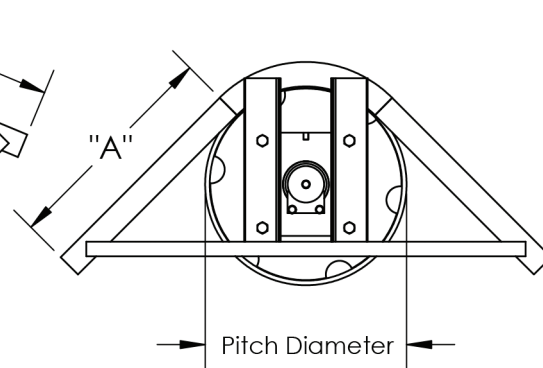


**678 Traction Wheel**

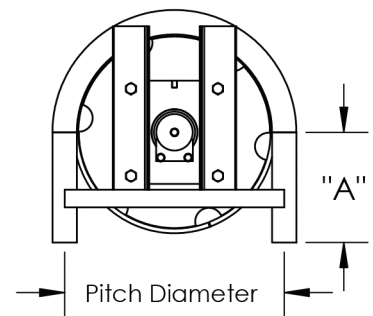
Pitch Diameter	Corner Degree	678 6Inch S Beam Complete Unit Part Number	6 Inch S Beam Frames	"A"	678 Traction Wheel
18"	30	1125575	1115598	12"	1128774
	45	1127563	1112196	12"	
	60	1111431	1111307	12"	
	90	1125310	1119861	27"	
	180	1115815	1113595	12"	
24"	30	1120472	1126714	12"	1112810
	45	1114768	1127989	12"	
	60	1116736	1123591	12"	
	90	1121739	1121551	30"	
	180	1128525	1124261	12"	
30"	30	1117334	1114749	12"	1124269
	45	1118141	1122198	12"	
	60	1115582	1117960	12"	
	90	1123603	1125173	33"	
	180	1121074	1113657	12"	
36"	45	1114264	1120018	12"	1126576
	60	1123796	1123927	12"	
	90	1120659	1126327	36"	
	180	1129500	1123066	12"	
42"	180	1118862	1120457	12"	1115390
48"	180	1118353	1113777	12"	1119489



30, 45, & 60 DEGREE TURNS



90 DEGREE TURNS



180 DEGREE TURNS



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PHONE: 1-877-873-5858 FAX: 1-712-224-5604

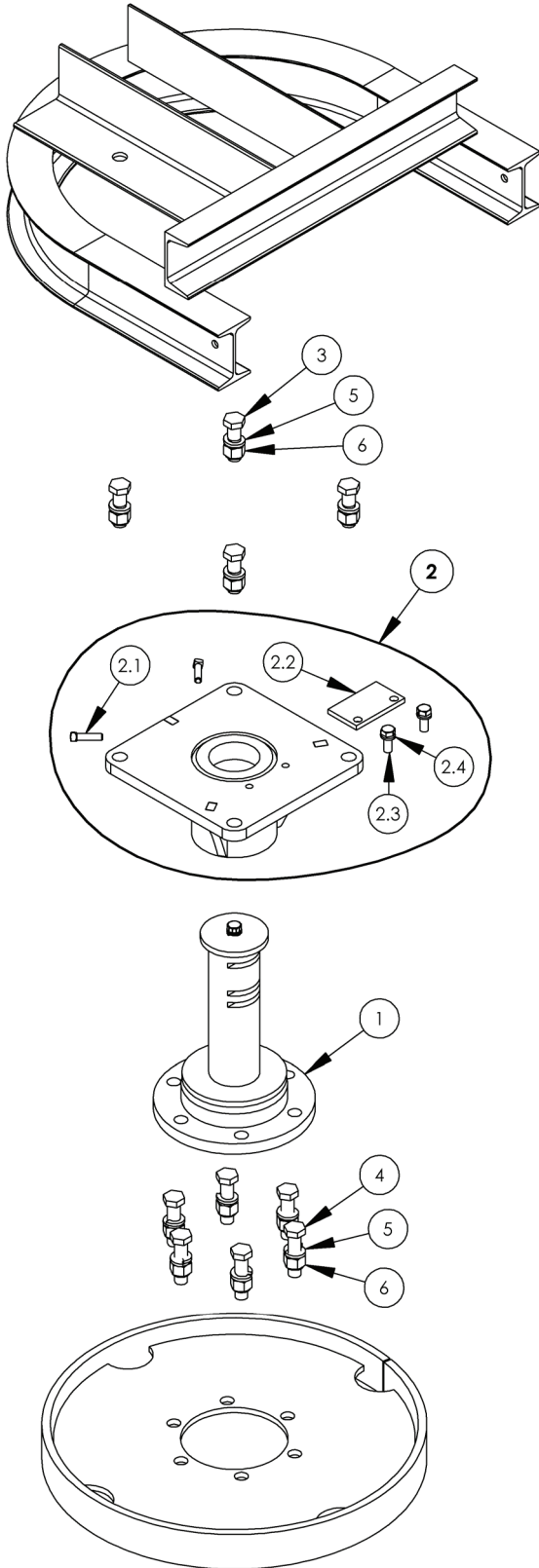
RIB-25

ROLLER I BEAM

# HERCULES®

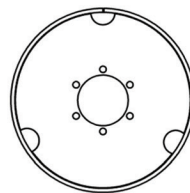
## ROLLER I BEAM TRACTION WHEEL CORNER COMMON PARTS

ROLLER I BEAM

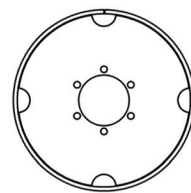


Item No.	Description	Part Number
1	TRACTION WHEEL HUB ASSEMBLY	1120454
2	<b>TRACTION WHEEL CONE ASSEMBLY</b>	<b>1112856</b>
2.1	SET SCREW SQ HEAD 1/2-13 x 1.5 ZINC	1125066
2.2	TRACTION WHEEL SLEEVE LOCKING PLATE 2	1114440
2.3	1/2-13 x 1 1/4" HEX HEAD BOLT	1116867
2.4	1/2" LOCK WASHER	1113190
3	3/4-10 x 2 1/2" HEX HEAD BOLT	1119663
4	3/4-10 x 3" HEX HEAD BOLT	1121486
5	3/4" LOCK WASHER	1118237
6	3/4-10 NYLOCK NUT	1114776

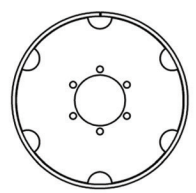
Chain Type	Description	Traction Wheel Part Number
348	18 PD 348 TRACTION WHEEL	1123131
	24 PD 348 TRACTION WHEEL	1112210
	30 PD 348 TRACTION WHEEL	1115283
	36 PD 348 TRACTION WHEEL	1118895
	42 PD 348 TRACTION WHEEL	1116653
	48 PD 348 TRACTION WHEEL	1121545
458	18 PD 458 TRACTION WHEEL	1120914
	24 PD 458 TRACTION WHEEL	1114478
	30 PD 458 TRACTION WHEEL	1120462
	36 PD 458 TRACTION WHEEL	1111214
	42 PD 458 TRACTION WHEEL	1114523
	48 PD 458 TRACTION WHEEL	1128843
678	18 PD 678 TRACTION WHEEL	1128774
	24 PD 678 TRACTION WHEEL	1112810
	30 PD 678 TRACTION WHEEL	1124269
	36 PD 678 TRACTION WHEEL	1126576
	42 PD 678 TRACTION WHEEL	1115390
	48 PD 678 TRACTION WHEEL	1119489



348 TRACTION WHEEL



458 TRACTION WHEEL

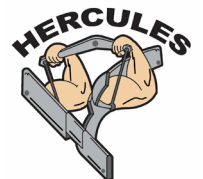


678 TRACTION WHEEL

To order your Traction Wheel components contact an IDFI Sales representative at: **(877) 873-5858**

26-RIB

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PHONE: 1-877-873-5858 FAX: 1-712-224-5604

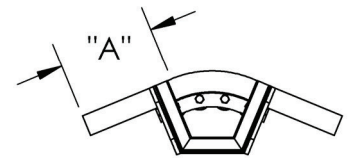
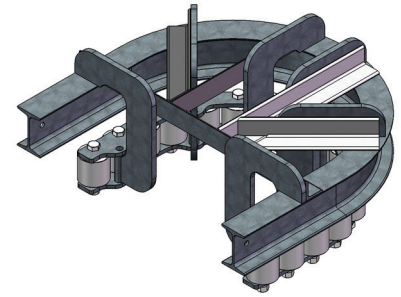


# HERCULES<sup>®</sup>

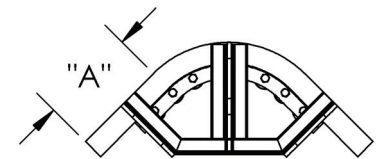
## ROLLER I BEAM ROLLER CORNERS

Roller Corners are one of the two basic types of overhead Roller I Beam Chain. The Roller Corner offers the most economical means of providing chain and trolley alignment while going around corners in an overhead chain system. With minimum components and a strong frame design the corner will be able to withstand whatever load you throw at it. But in the chance of a breakdown

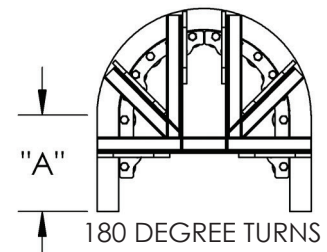
For more information or to order a HERCULES Roller Corner contact an IDFI sales representative at: (877) 873-5858



30, 45, & 60 DEGREE TURNS



90 DEGREE TURNS



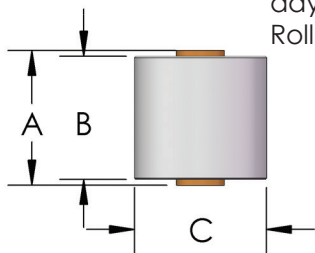
180 DEGREE TURNS

ROLLER I BEAM

Pitch Diameter	Corner Degree	348 Corner Part Number	458 Corner Part Number	678 Corner Part Number	Number of Brackets	Number of Rollers	"A"
18"	30	1129277	1122525	1124926	2	2	12"
	45	1119284	1115087	1111419	2	3	
	60	1119066	1128166	1115089	2	4	
	90	1124652	1121588	1128413	2	6	
	180	1118728	1117857	1113699	2	12	
24"	30	1114884	1120620	1127313	2	3	
	45	1120346	1114567	1111514	2	4	
	60	1126376	1119581	1112008	2	6	
	90	1118218	1129502	1126049	3	8	
	180	1111365	1113930	1117032	6	16	
30"	30	1117106	1126435	1126050	2	4	
	45	1114417	1126688	1111506	2	5	
	60	1117945	1121680	1124394	2	7	
	90	1118430	1123576	1118679	3	10	
	180	1125211	1117095	1118675	6	20	
36"	45	1125142	1129152	1126372	2	6	
	60	1115401	1120309	1125398	3	8	
	90	1124936	1121774	1120013	3	12	
	180	1119966	1122166	1124639	6	24	
42"	180	1115544	1123815	1124076	8	28	
48"	180	1114791	1126266	1118991	8	32	

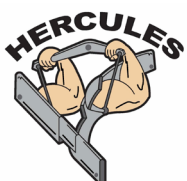
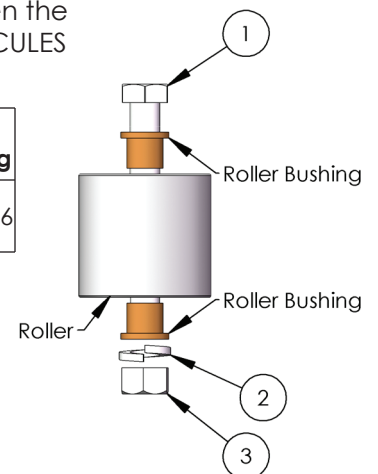
## ROLLER CORNER REPLACEMENT ROLLERS

The Hercules Roller Corners are built to take a beating. When the day comes that you need to replace the rollers the HERCULES Roller Kits will get you back up and running in no time.



Chain Type	Roller Kit Part Number	"A"	"B"	"C"	Roller	Roller Bushing
348	1126044	2 1/8"	1 15/16"	2 3/4"	1127962	1123146
458/678	1114835	2 3/4"	2 9/16"	2 3/4"	1127837	

Item No.	Description	Part Number
1	5/8-11 x 4 1/2" HEX HEAD BOLT	1123188
2	5/8" LOCK WASHER	1122597
3	5/8-11 HEX NUT	1120259



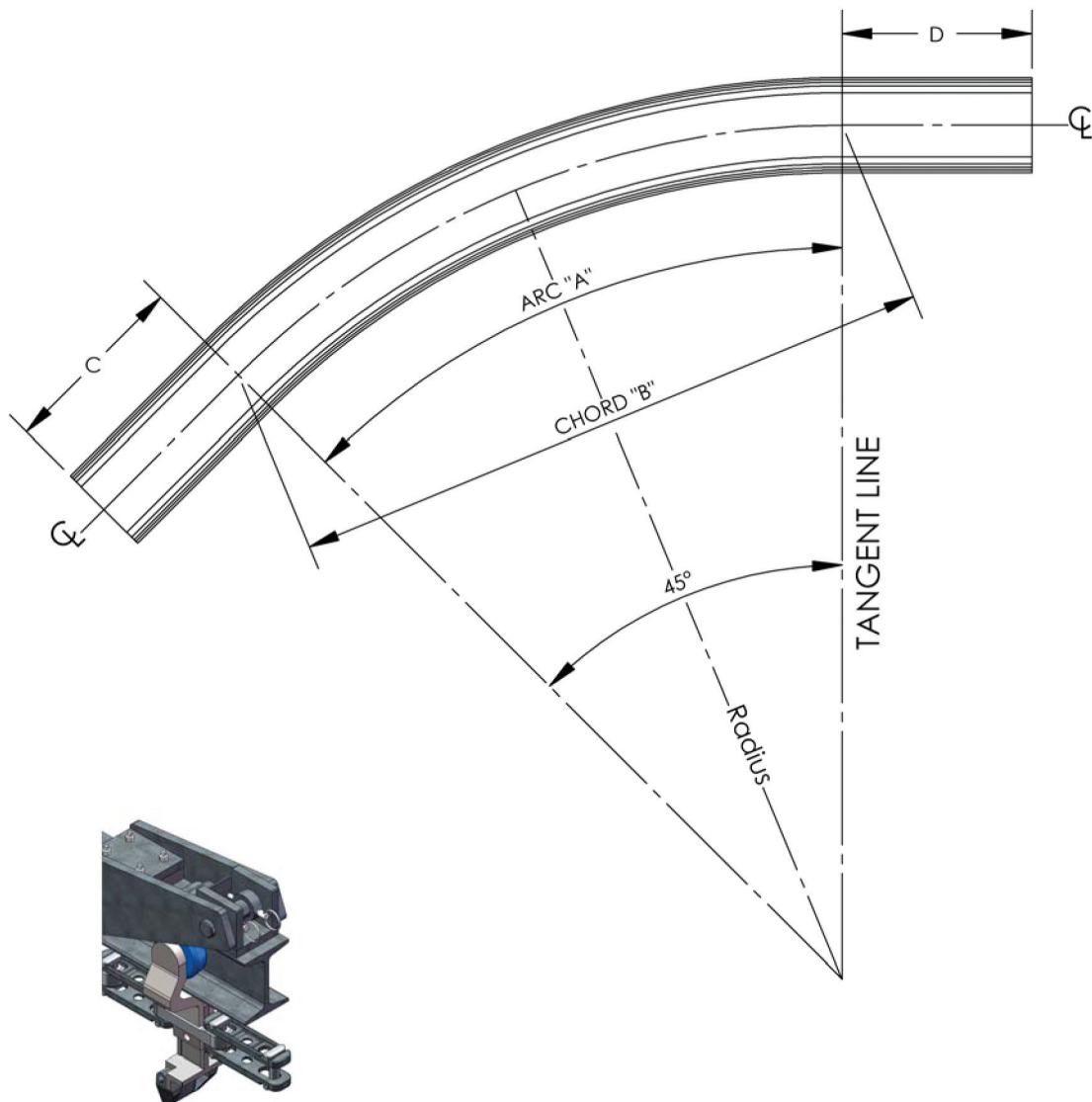
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RIB-27

# HERCULES<sup>®</sup>

## ROLLER I BEAM 4INCH VERTICAL CURVE

ROLLER I BEAM



458 TROLLEY ANTI BACKUP COMPLETE UNIT  
Part Number: 1128030

Radius	I Beam Size	Bent Angle	Part Number	"A"	"B"	"C"	"D"
8'-0"	4"	45 DEG	1122771	4'-2 1/2"	4'-4 11/16"	8"	8"
10'-0"	4"	45 DEG	1125233	5'-2 1/8"	5'-2 1/8"	8"	8"
12'-0"	4"	45 DEG	1115980	6'-3 3/8"	6'-2 9/16"	8"	8"

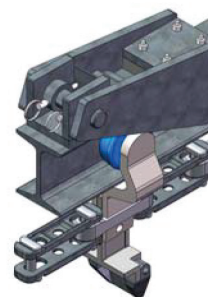
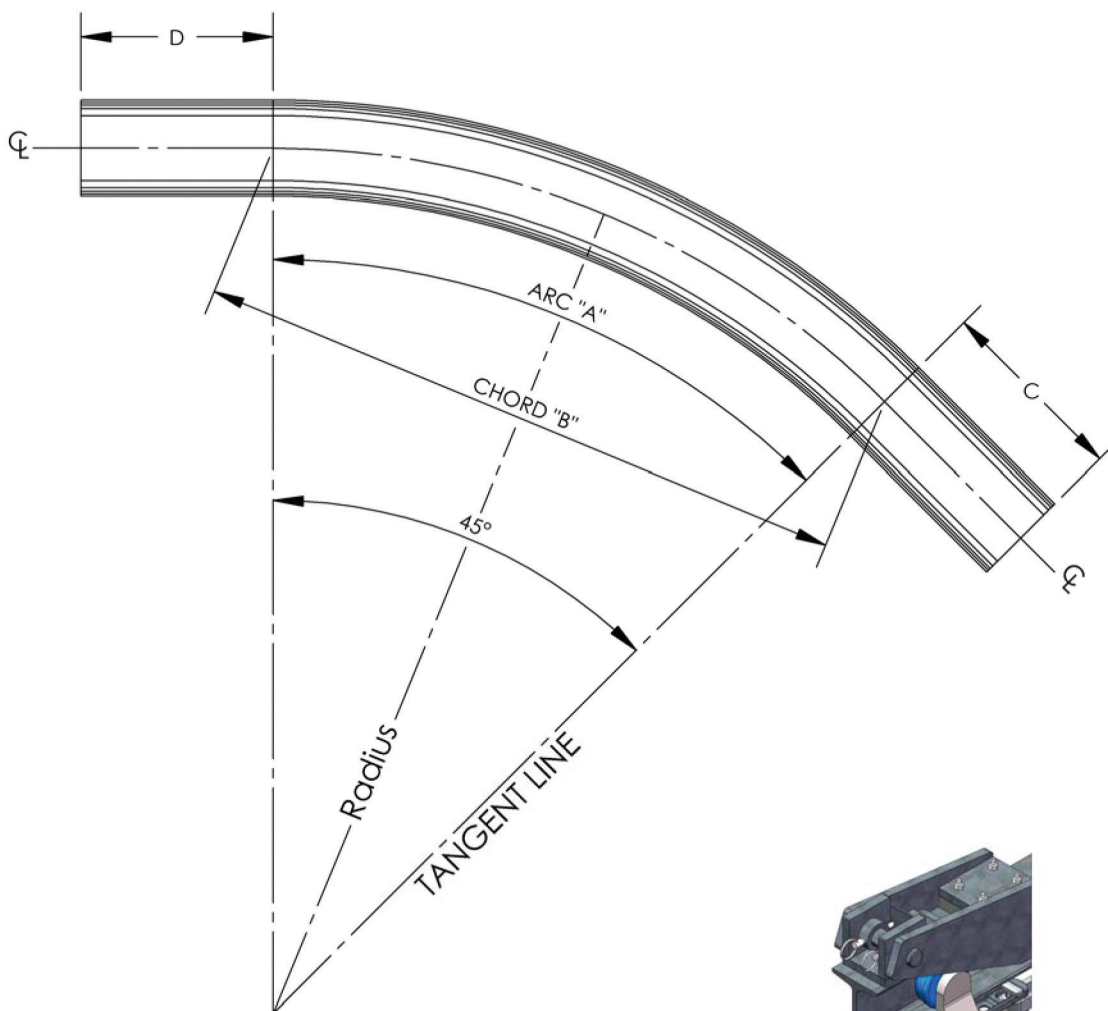
To order your 4Inch Vertical Curve contact  
an IDFI Sales representative at: **(877) 873-5858**



# HERCULES<sup>®</sup>

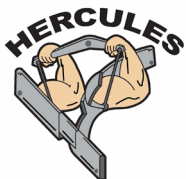
## ROLLER I BEAM 6INCH VERTICAL CURVE

ROLLER I BEAM



678 TROLLEY ANTI BACKUP COMPLETE UNIT  
Part Number: 1114628

Radius	I Beam Size	Bent Angle	Part Number	"A"	"B"	"C"	"D"
8'-0"	6"	45 DEG	1117075	4'-2 1/2"	4'-4 11/16"	8"	8"
10'-0"	6"	45 DEG	1125027	5'-2 1/8"	5'-2 1/8"	8"	8"
12'-0"	6"	45 DEG	1127391	6'-3 3/8"	6'-2 9/16"	8"	8"

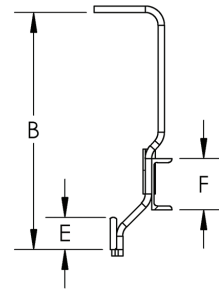
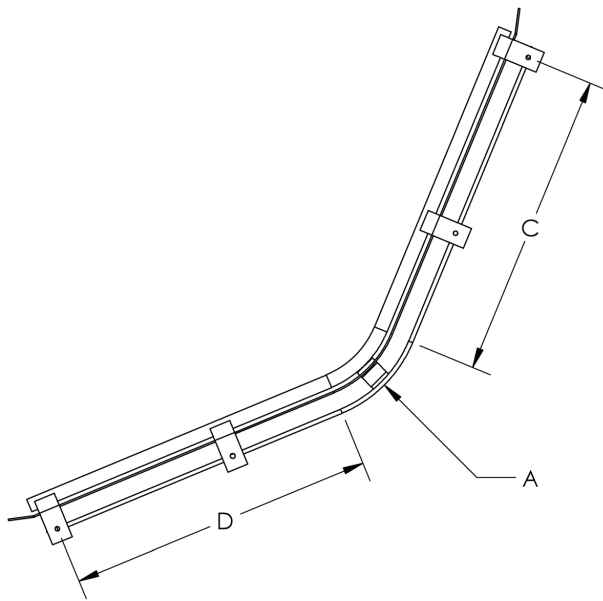
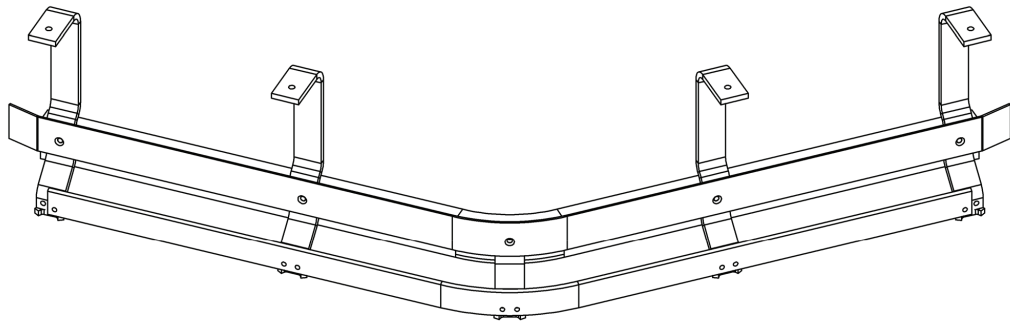


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# HERCULES®

## ROLLER I BEAM BUILT UP CORNER 45 DEGREE WITH SLAP RAIL



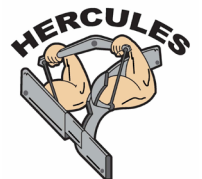
ROLLER I BEAM

Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 18IN 45DEG RIB WITH SLAP RAIL	1122913	18"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 24IN 45DEG RIB WITH SLAP RAIL	1111470	24"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 30IN 45DEG RIB WITH SLAP RAIL	1123091	30"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 36IN 45DEG RIB WITH SLAP RAIL	1128408	36"	18 1/2"	36"	36"	2 1/2"	4"

Description	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 45DEG RIB WITH SLAP RAIL CUSTOM						

30-RIB

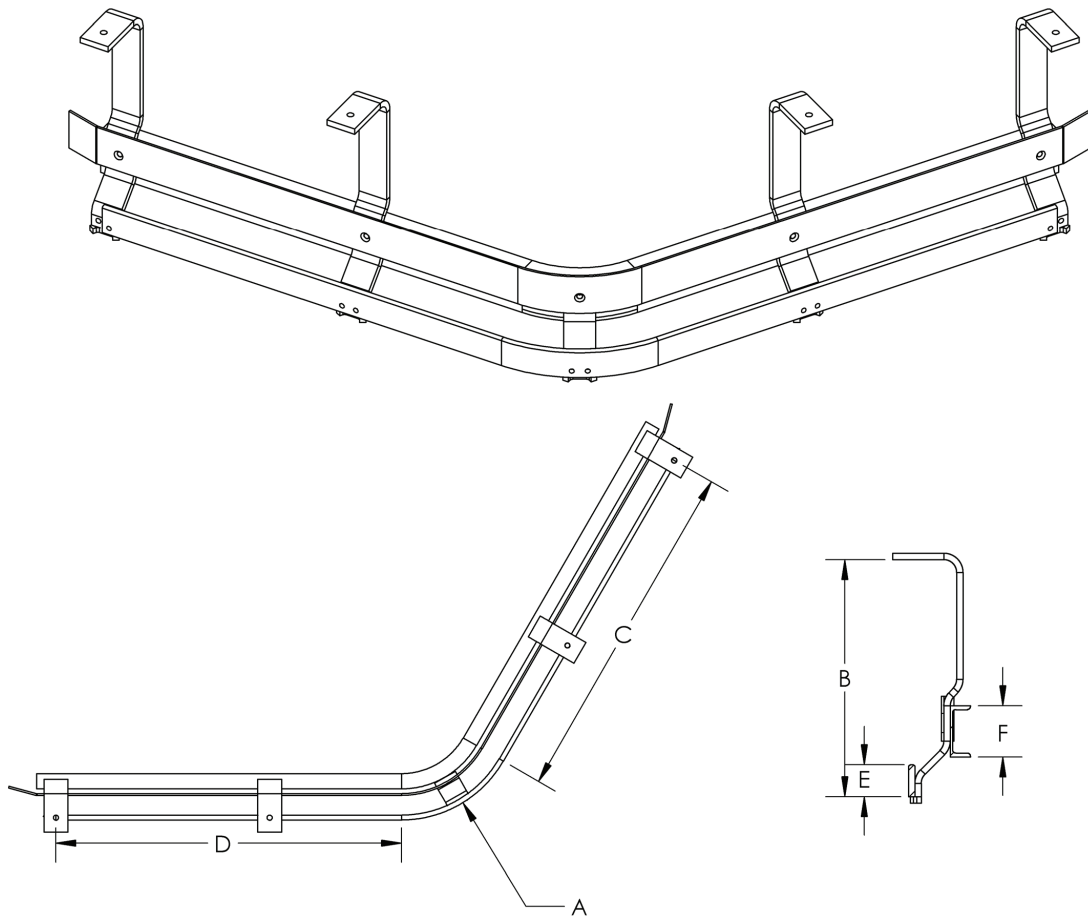
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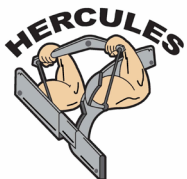
## ROLLER I BEAM BUILT UP CORNER 60 DEGREE WITH SLAP RAIL



ROLLER I BEAM

Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 18IN 60DEG RIB WITH SLAP RAIL	1124291	18"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 24IN 60DEG RIB WITH SLAP RAIL	1123842	24"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 30IN 60DEG RIB WITH SLAP RAIL	1113186	30"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 36IN 60DEG RIB WITH SLAP RAIL	1129703	36"	18 1/2"	36"	36"	2 1/2"	4"

Description	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 60DEG RIB WITH SLAP RAIL CUSTOM						

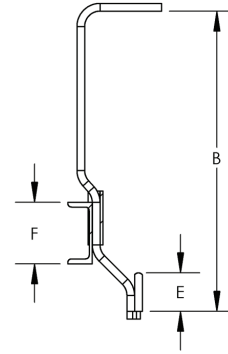
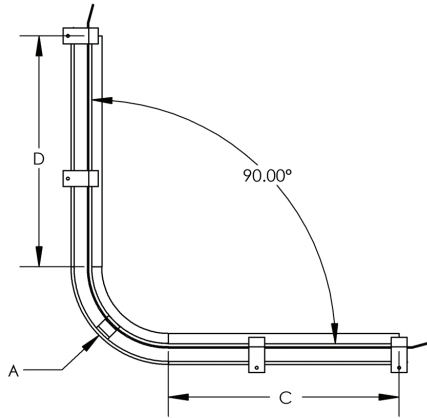
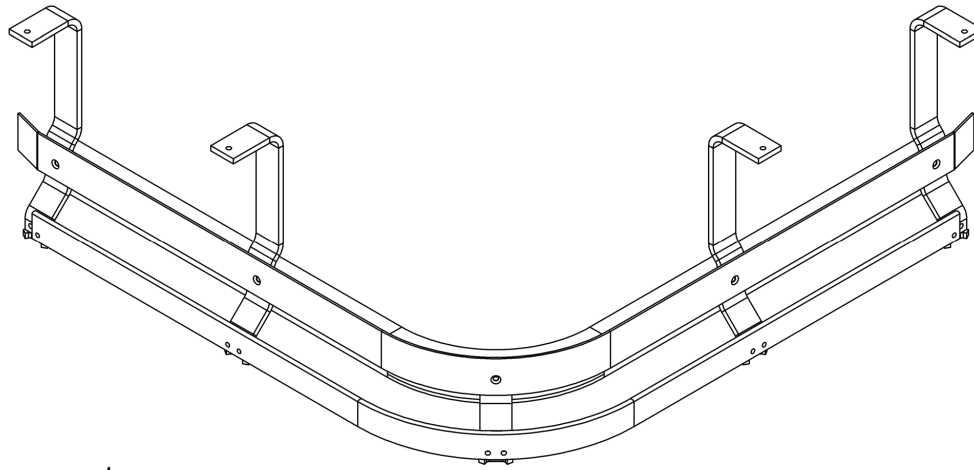


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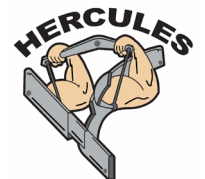
## ROLLER I BEAM BUILT UP CORNER 90 DEGREE WITH SLAP RAIL



ROLLER I BEAM

Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 18IN 90DEG RIB WITH SLAP RAIL	1124883	18"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 24IN 90DEG RIB WITH SLAP RAIL	1116146	24"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 30IN 90DEG RIB WITH SLAP RAIL	1121310	30"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 36IN 90DEG RIB WITH SLAP RAIL	1123272	36"	18 1/2"	36"	36"	2 1/2"	4"

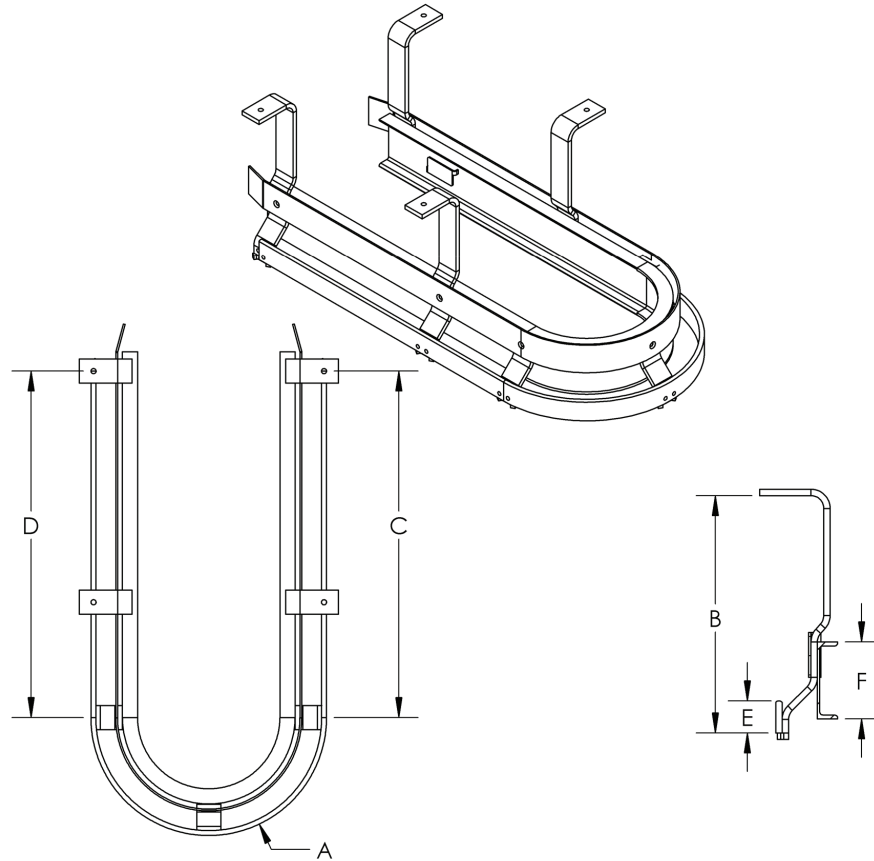
Description	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 90DEG RIB WITH SLAP RAIL CUSTOM						





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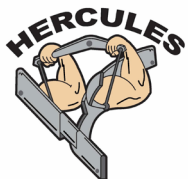
## ROLLER I BEAM BUILT UP CORNER 180 DEGREE WITH SLAP RAIL



ROLLER I BEAM

Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 18IN 180DEG RIB WITH SLAP RAIL	1116165	18"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 24IN 180DEG RIB WITH SLAP RAIL	1126134	24"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 30IN 180DEG RIB WITH SLAP RAIL	1127282	30"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 36IN 180DEG RIB WITH SLAP RAIL	1118397	36"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 42IN 180DEG RIB WITH SLAP RAIL	1120580	42"	18 1/2"	36"	36"	2 1/2"	4"
BUILT UP CORNER 48IN 180DEG RIB WITH SLAP RAIL	1121054	48"	18 1/2"	36"	36"	2 1/2"	4"

Description	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "F"
BUILT UP CORNER 180DEG RIB WITH SLAP RAIL CUSTOM						



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RIB-33

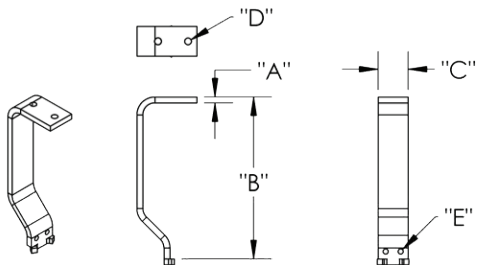
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## ROLLER I BEAM COMMON TRACK HANGERS

IDFI has many different hangers available, below is a list of the most common Track Hangers, and Roller I Beam Hangers that we commonly see. For even more hanger sizes and options see our hanger ordering guide on the next page. Or contact an IDFI sales representative at: (877) 873-5858

ROLLER I BEAM

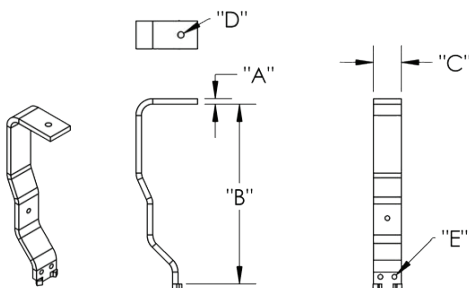
Part Number	Description	Material	Tabbed Or Blocked	Number Of Top Holes	Material Thickness "A"	Hanger Height "B"	Hanger Width "C"	Top Hole Size "D"	Rail Bolt Hole Size "E"
1129073	HANGER T25NN0T105Z2541032	Zinc Plated	Tabbed	2	1/2"	10 1/2"	2 1/2"	5/8"	3/8"
1126325	HANGER T25NN0T105S2541032	Stainless Steel	Tabbed	2	1/2"	10 1/2"	2 1/2"	5/8"	3/8"
1124104	HANGER T25NN0T105Z3041032	Zinc Plated	Tabbed	2	1/2"	10 1/2"	3"	5/8"	3/8"
1114893	HANGER T25NN0T105S3041032	Stainless Steel	Tabbed	2	1/2"	10 1/2"	3"	5/8"	3/8"
1116421	HANGER T25NN0T120Z2541032	Zinc Plated	Tabbed	2	1/2"	12"	2 1/2"	5/8"	3/8"
1124043	HANGER T25NN0T120S2541032	Stainless Steel	Tabbed	2	1/2"	12"	2 1/2"	5/8"	3/8"
1123884	HANGER T25NN0T120Z3041032	Zinc Plated	Tabbed	2	1/2"	12"	3"	5/8"	3/8"
1121290	HANGER T25NN0T120S3041032	Stainless Steel	Tabbed	2	1/2"	12"	3"	5/8"	3/8"
1126733	HANGER T25NN0T135Z2541032	Zinc Plated	Tabbed	2	1/2"	13 1/2"	2 1/2"	5/8"	3/8"
1124892	HANGER T25NN0T135S2541032	Stainless Steel	Tabbed	2	1/2"	13 1/2"	2 1/2"	5/8"	3/8"
1127943	HANGER T25NN0T135Z3041032	Zinc Plated	Tabbed	2	1/2"	13 1/2"	3"	5/8"	3/8"
1123642	HANGER T25NN0T135S3041032	Stainless Steel	Tabbed	2	1/2"	13 1/2"	3"	5/8"	3/8"



For more Hanger options or help choosing the right Track Hanger for your system contact an IDFI Sales Representative at: (877) 873-5858

## ROLLER I BEAM COMMON HANGERS

Part Number	Description	Material	Tabbed Or Blocked	Number Of Top Holes	Material Thickness "A"	Hanger Height "B"	Hanger Width "C"	Top Hole Size "D"	Rail Bolt Hole Size "E"
1128883	HANGER R14NN0T185Z2541032	Zinc Plated	Tabbed	2	1/2"	18 1/2"	2 1/2"	5/8"	3/8"
1119736	HANGER R14NN0T185S2541032	Stainless Steel	Tabbed	2	1/2"	18 1/2"	2 1/2"	5/8"	3/8"
1113008	HANGER R14NN0T195Z2541032	Zinc Plated	Tabbed	2	1/2"	19 1/2"	3"	5/8"	3/8"
1113582	HANGER R14NN0195S2541032	Stainless Steel	Tabbed	2	1/2"	19 1/2"	3"	5/8"	3/8"



For more Hanger options or help choosing the right Track Hanger for your system contact an IDFI Sales Representative at: (877) 873-5858

34-RIB

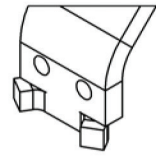
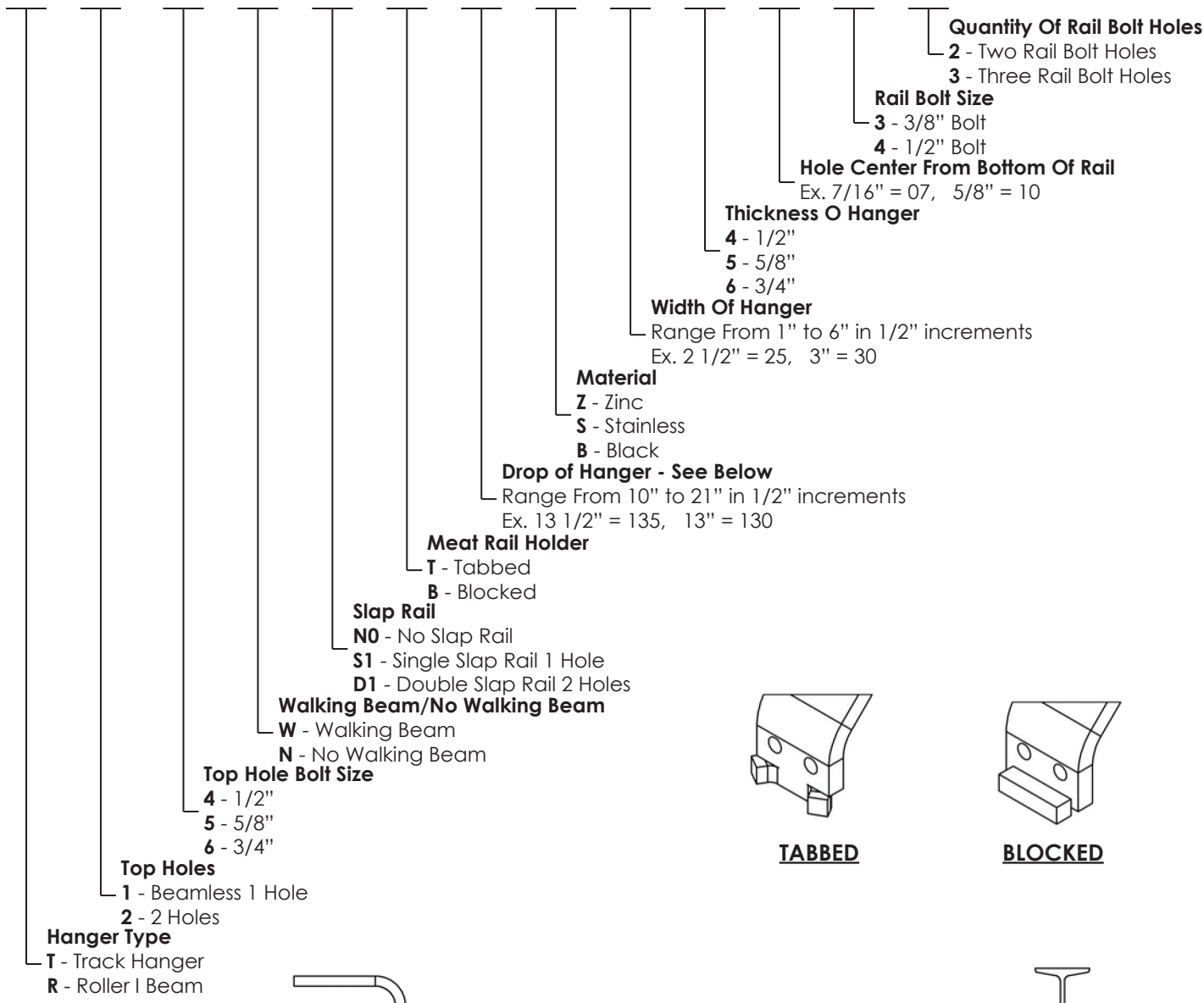
MANUFACTURED BY: IDFI.COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604



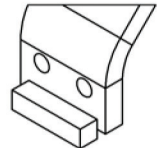
# HERCULES®

## ROLLER I BEAM HANGER ORDERING GUIDE

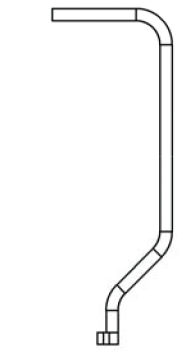
**ROLLER I BEAM**



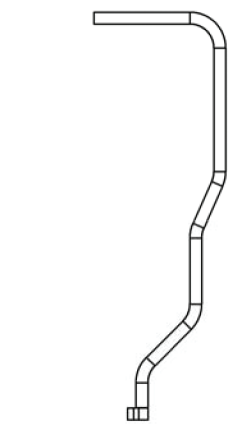
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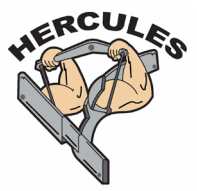
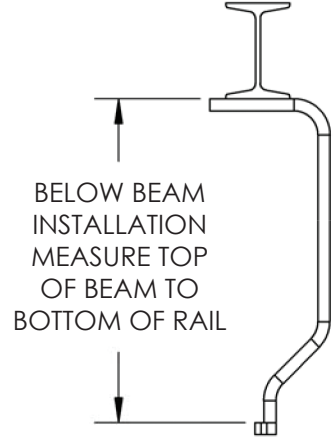
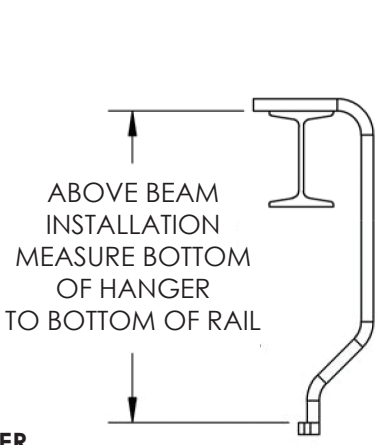
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**TRACK HANGER**

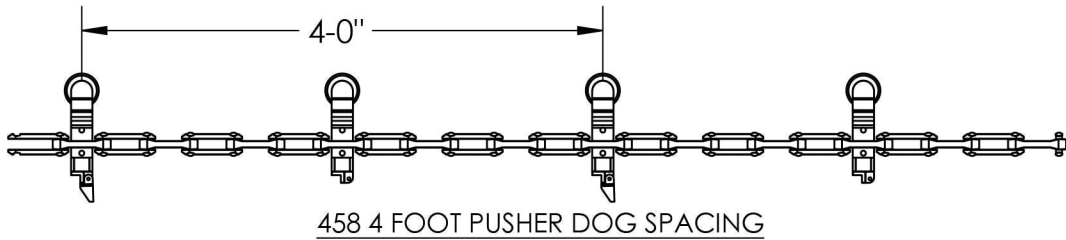
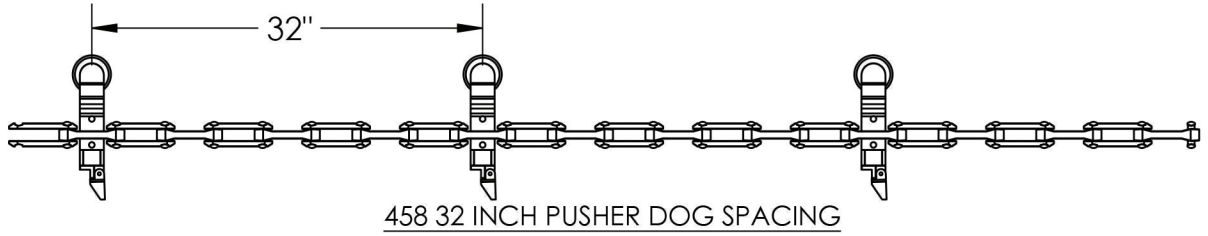
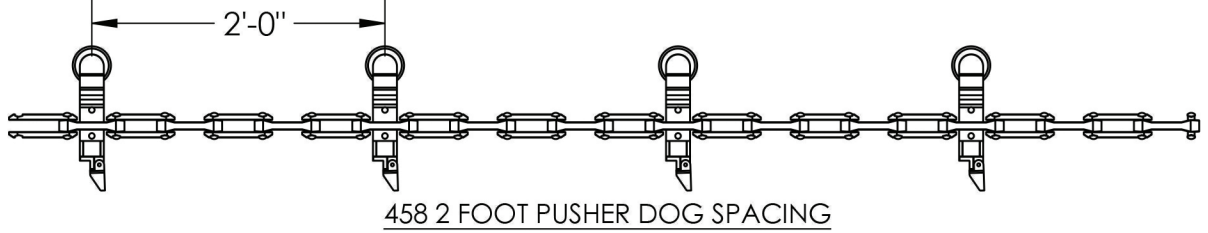


**ROLLER I BEAM HANGER**

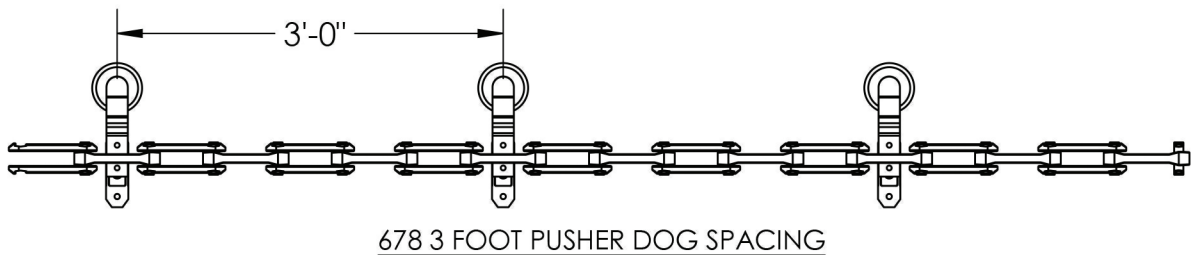
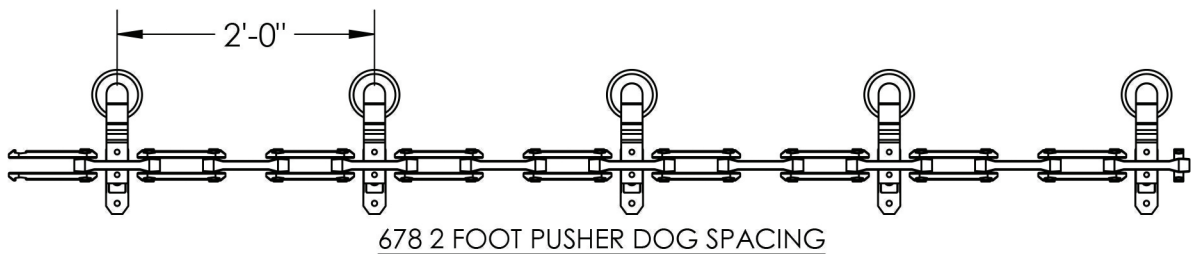
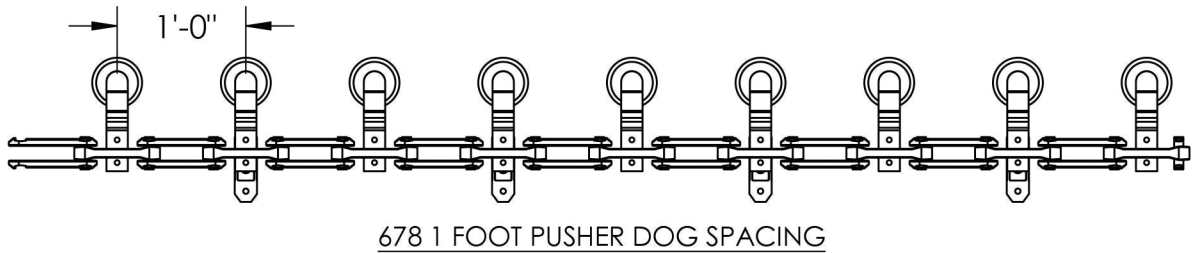


# HERCULES<sup>®</sup>

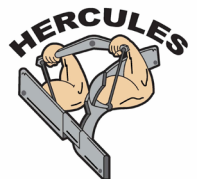
## ROLLER I BEAM 458 CHAIN SPACING OPTIONS

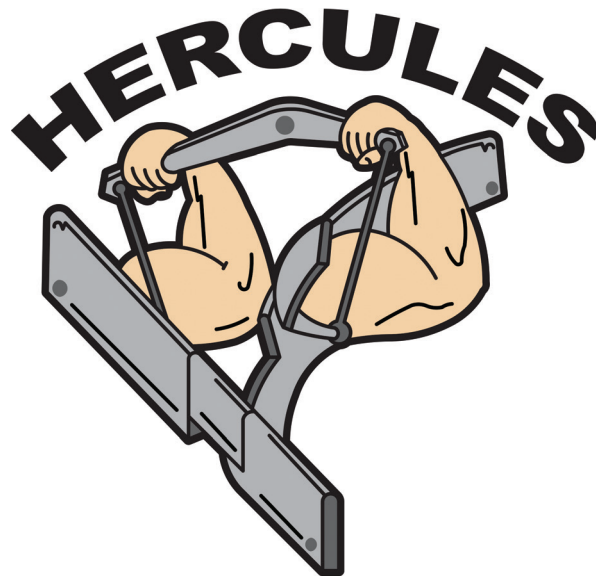


## ROLLER I BEAM 678 CHAIN SPACING OPTIONS



For more chain spacing options contact  
an IDFI Sales representative at: (877) 873-5858

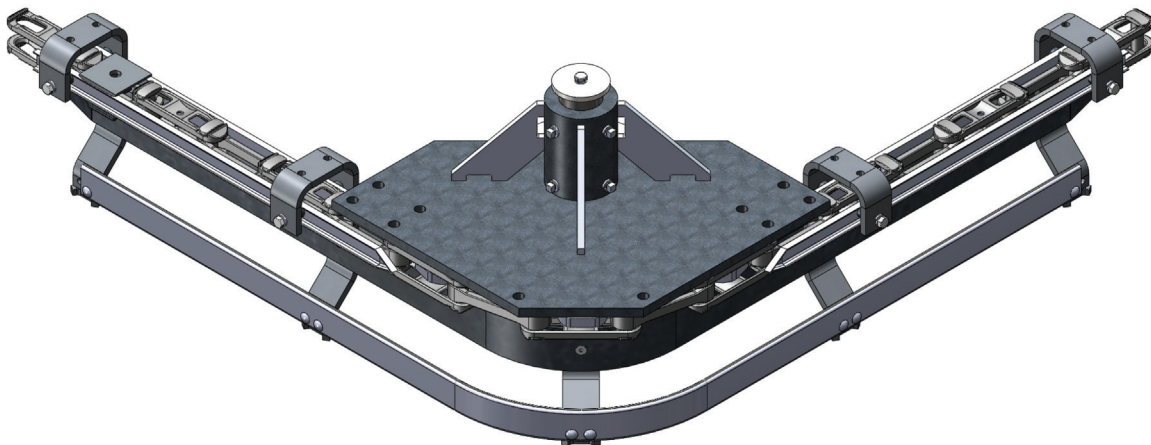




## 458/678 SLIDER ENGINEERED CHAIN SECTION

The Slider overhead chain conveyor system is a heavy duty overhead system. With multiple chain types, and numerous chain attachments the Slider Chain will accomplish any job that a Roller I Beam chain can't. But no system will function properly without the proper equipment. With HERCULES Slider Chain components you'll be getting the strength and reliability that you have become accustomed to with all the other HERCULES products.

Table Of Contents	
SLIDER CHAIN 458/678/ STATIONARY DRIVE	38-S
SLIDER CHAIN TAKEUP INFORMATION	39-S
SLIDER CHAIN 458 9 TOOTH / 678 6 TOOTH SCREW TAKEUP COMPLETE UNIT'S	40-S
SLIDER CHAIN 458 9 TOOTH / 678 6 TOOTH PNEUMATIC TAKEUP COMPLETE UNIT'S	41-S
SLIDER CHAIN 458/678 STANDARD IDLE CORNERS	42-S
SLIDER CHAIN 458/678 WEB MOUNT IDLE CORNERS	43-S
SLIDER CHAIN IDLE CORNER COMMON PARTS	44-S
SLIDER CHAIN HANGER ORDERING GUIDE	45-S
SLIDER CHAIN 45 DEGREE BUILT UP CORNER	46-S
SLIDER CHAIN 60 DEGREE BUILT UP CORNER	47-S
SLIDER CHAIN 90 DEGREE BUILT UP CORNER	48-S
SLIDER CHAIN 180 DEGREE BUILT UP CORNER	49-S
SLIDER CHAIN 678 SPACING OPTIONS	50-S

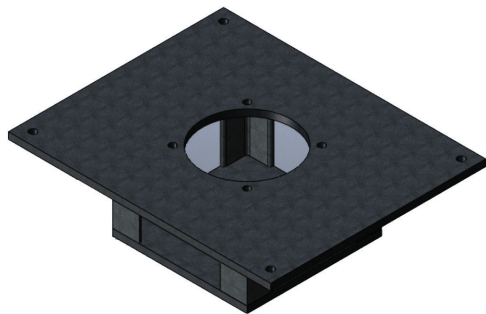
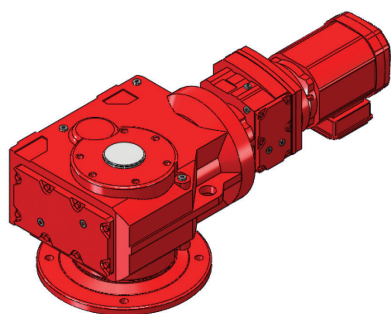
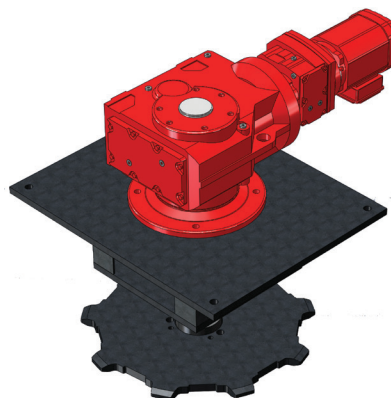


# HERCULES<sup>®</sup>

## SLIDER CHAIN 458/678 STATIONARY DRIVE

The most vital part of any powered overhead system is the drive that powers it. So when you want reliability and strength from your drive you're going to want the HERCULES Stationary Drive with a gearbox of your choice, and a Browning shear pin hub protecting it from an overload or jam.

No matter what kind of chain system you have the HERCULES Stationary Drive can be installed to run it whether it be a constant speed system, a variable speed system, or a multi drive system it will fit right in meeting, and exceeding your expectations.



### ORDERING INFORMATION

To assure that you are ordering the right drive for your system, make sure you know all the information listed below.

SYSTEM LENGTH: \_\_\_\_\_  
 LOADED LENGTH: \_\_\_\_\_  
 RETURN LENGTH: \_\_\_\_\_  
 ELEVATIONS CHANGES:  
 \*ELEVATION CHANGE 1: \_\_\_\_\_  
 \*ELEVATION CHANGE 2: \_\_\_\_\_  
 \*ELEVATION CHANGE 3: \_\_\_\_\_  
 \*ELEVATION CHANGE 4: \_\_\_\_\_  
 NUMBER OF 45 DEG. CORNERS: \_\_\_\_\_  
 NUMBER OF 90 DEG. CORNERS: \_\_\_\_\_  
 NUMBER OF 180DEG. CORNERS: \_\_\_\_\_  
 DRIVE BRAND: \_\_\_\_\_  
 SYSTEM SPEED: \_\_\_\_\_  
 DRIVE SPROCKET TEETH COUNT:  
 5      7      8      10  
 PRODUCT SPACING: \_\_\_\_\_  
 PRODUCT WEIGHT: \_\_\_\_\_

To order your HERCULES Stationary Drive  
 contact an IDFI Sales Representative:  
(877) 873-5858

#### 458-SLIDER STATIONARY DRIVE WITH 9 TOOTH SPROCKET SHOWN

The HERCULES Stationary Drive has completely replaceable parts to get you going faster in the event of a breakdown.





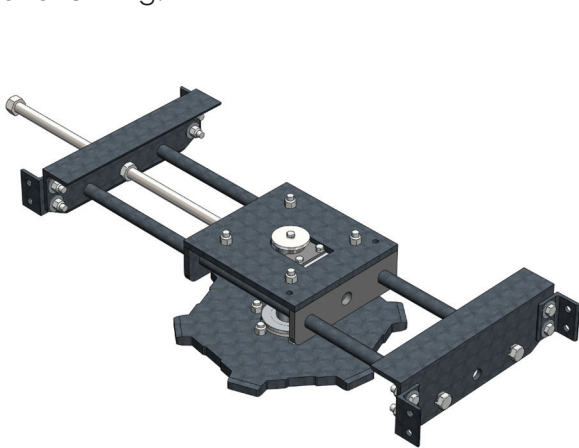
# HERCULES®

## SLIDER CHAIN TAKEUP INFORMATION

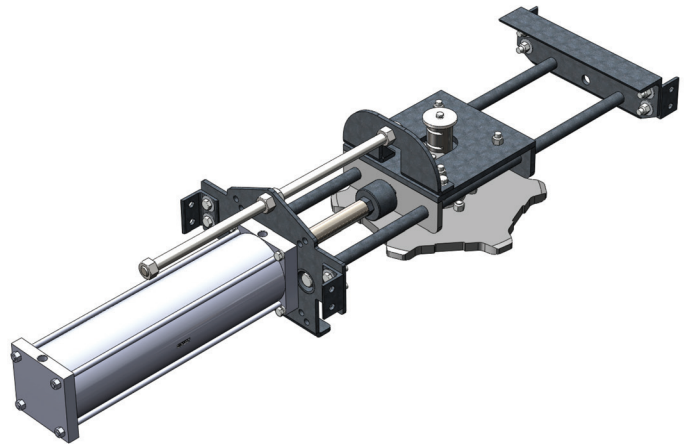
When selecting the right takeup for your overhead system some items to take into consideration are the length of your system, the chain pull, and the conditions the system will operate in.

Most systems will function fine with a Manual takeup unit. The Manual Takeup is designed for easy initial adjustment. Once set to the desired operational location adjustment should not be necessary unless you alter or extended your system.

For unusually long systems with a high chain pull, or operating in areas with a temperature change an automatic takeup is recommended. Air cylinder units are preferred for their flexibility. With easy initial setup, and accurate adjustments through the use of an air pressure regulator the air takeup keeps you up and running.

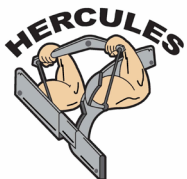
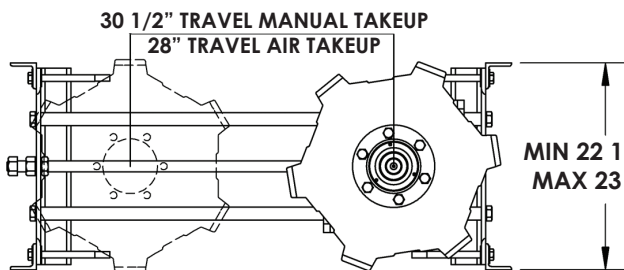
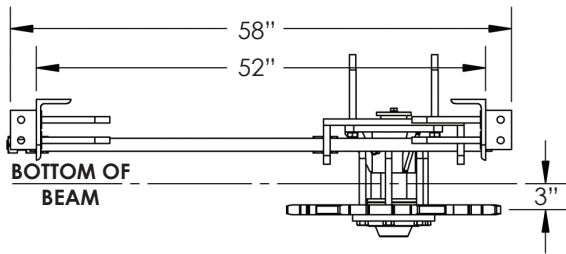


**MANUAL**



**PNEUMATIC**

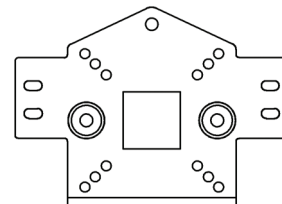
## SLIDER CHAIN TAKEUP INFORMATION



**678 6 Tooth Manual Slider Takeup Shown Above**

The Hercules Slider Takeup is made to not only be used in both 458, and 678 Slider chain systems it is also designed to be easily switched from being a Manual Takeup to being an Air Takeup, or vice versa. This is accomplished through the use of a switchable mounting plate, which when switched will allow you to have the opposite style.

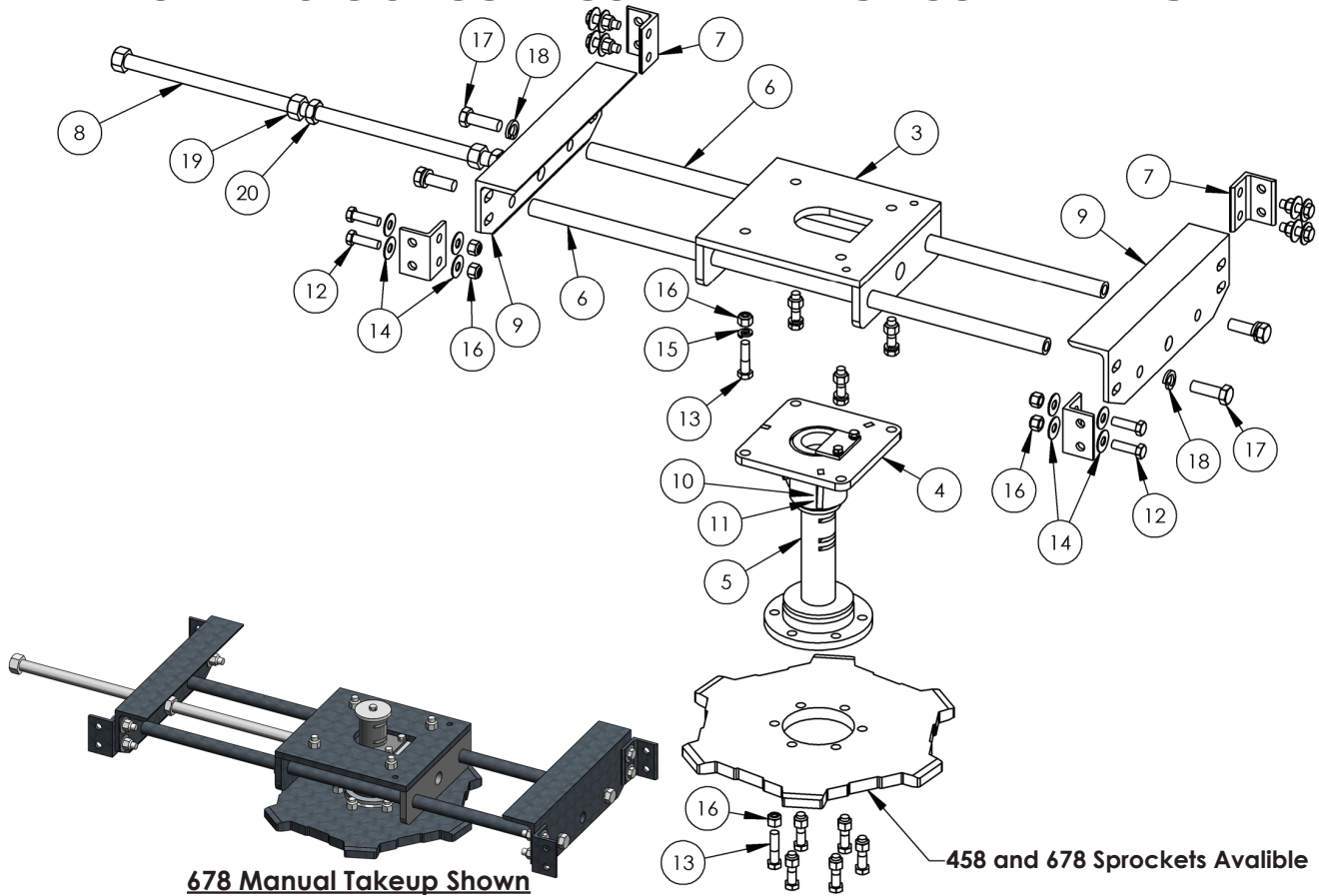
With the ability to switch between the two different styles of Takeups, comes two different ranges of travel. With your Manual Takeup you will have 30-1/2IN of travel. But with the Air Takeup style you will have 28IN of travel as well as the ability to use either a 6IN, 8IN, or 12IN bore cylinder without needing a different mount plate making the HERECULES Slider Takeup ideal for any situation no matter the size.



**Bolt Holes for 6In, 8In, and 12In bore cylinders all on Cylinder Mount Plate**

# HERCULES®

## SLIDER CHAIN 458 9 TOOTH SCREW TAKEUP COMPLETE UNIT SLIDER CHAIN 678 6 TOOTH SCREW TAKEUP COMPLETE UNIT



678 Manual Takeup Shown

458 and 678 Sprockets Available

SLIDER

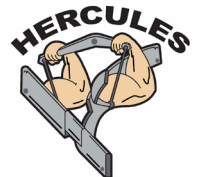
Item No.	Description	Part Number
A	SLIDER TAKEUP 678 23.30 PD 6 TOOTH COM	1116785
B	SLIDER TAKEUP 458 23.30 PD 9 TOOTH COM	1125102

The HERCULES Slider Screw Takeup is designed with 30-1/2 inches of travel as well as the ability to be easily converted between 458/678 slider chain, and from the standard manual unit to an air unit.

Item No.	Description	Part Number
1	SPROCKET 458 9T 23.30 PD OMNI Harden Teeth Zinc	1118696
2	SPROCKET 678 6T 23.30 PD OMNI Harden Teeth Zinc	1111908
3	SLIDER TAKEUP SUPPORT ROD PLATE ASSY 1	1113113
4	TRACTION WHEEL CONE ASSY COM	1112856
5	TRACTION WHEEL HUB ASSY. W/O CONE	1120454
6	SLIDER TAKEUP SUPPORT ROD 1	1120133
7	SLIDER TAKEUP ANGLE BRACKET 1	1112075
8	SLIDER TAKEUP MANUAL ADJUSTMENT HANDEL ASSY 1	1116426
9	SLIDER TAKEUP 458 24IN 9T / 678 24IN 6T ANGLE FRAME 1 ASSY	1120431
10	1/2-13x1 1/2" HEX HEAD BOLT	1114890
11	1/2" LOCK WASHER	1113190
12	3/4-10x2 1/2" HEX HEAD BOLT	1119663

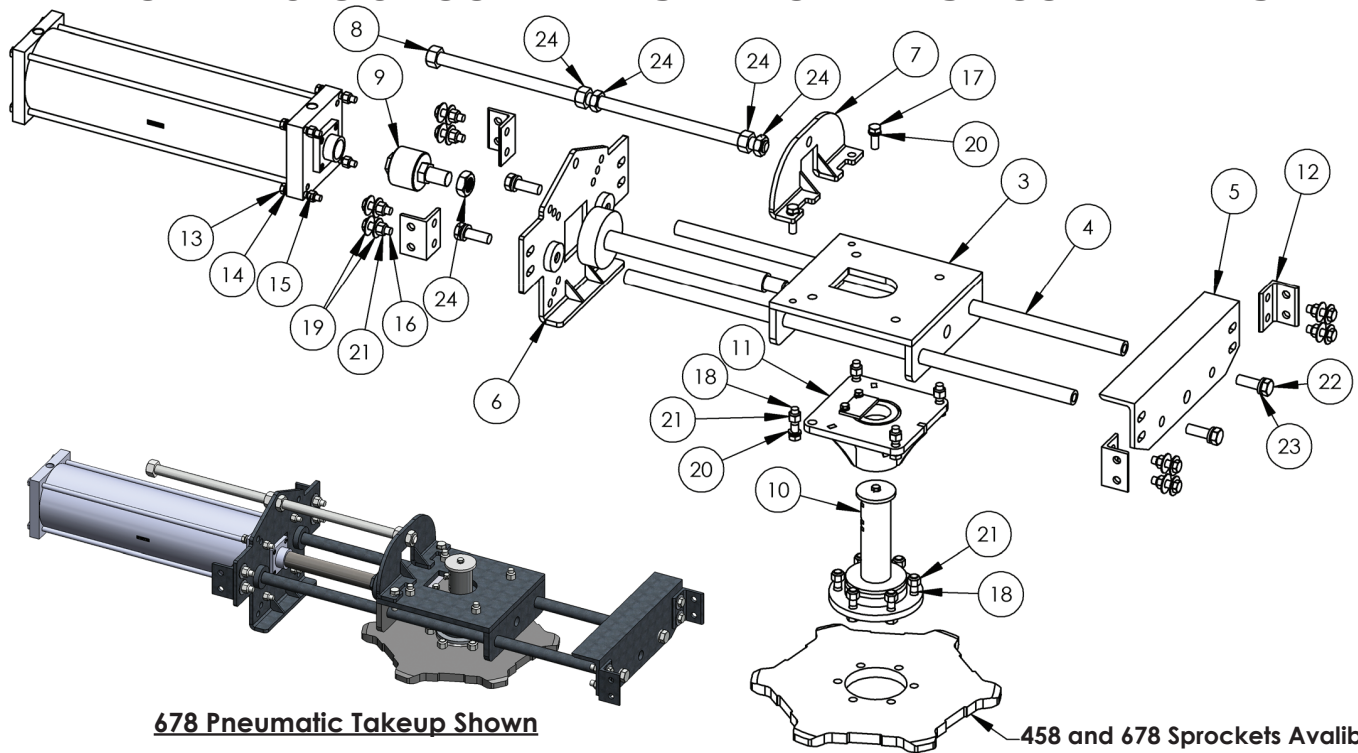
To Order Your Slider Takeup Contact a IDFI Sales Representative at: (877) 873-5858

Item No.	Description	Part Number
13	3/4-10x3" HEX HEAD BOLT	1121486
14	3/4" FLAT WASHER	1123437
15	3/4" LOCK WASHER	1118237
16	3/4-10 NYLOCK NUT	1114776
17	1-8x3" HEX HEAD BOLT	1115350
18	1" LOCK WASHER	1117541
19	1 1/4-7 HEX NUT	1127921
20	1 1/4-7 JAM NUT	1114942



# HERCULES®

## SLIDER CHAIN 458 9 TOOTH PNEUMATIC TAKEUP COMPLETE UNIT SLIDER CHAIN 678 6 TOOTH PNEUMATIC TAKEUP COMPLETE UNIT



678 Pneumatic Takeup Shown

458 and 678 Sprockets Available

Item No.	Description	Part Number
A	SLIDER TAKEUP 458 23.30 PD 9 TOOTH 6INCH BORE	1115510
B	SLIDER TAKEUP 458 23.30 PD 9 TOOTH 8INCH BORE	1123678
C	SLIDER TAKEUP 458 23.30 PD 9 TOOTH 12INCH BORE	1118277
D	SLIDER TAKEUP 678 23.30 PD 6 TOOTH 6INCH BORE	1128457
E	SLIDER TAKEUP 678 23.30 PD 6 TOOTH 8INCH BORE	1115450
F	SLIDER TAKEUP 678 23.30 PD 6 TOOTH 12INCH BORE	1114626

The HERCULES Slider Air Takeup is designed with 28 inches of travel as well as the ability to be easily converted between 458 / 678 slider chain. In addition the HERCULES Slider Takeup is designed with a multiple cylinder mounting plate allowing you to use either a 6, 8, or 12 inch cylinder on your Slider Takeup without having to change the mounting plate.

To Order Your Slider Takeup Contact  
a IDFI Sales Representative at: (877) 873-5858

Item No.	Description	Part Number
1	SPROCKET 458 9T 23.30 PD OMNI Harden Teeth Zinc	1118696
2	SPROCKET 678 6T 23.30 PD OMNI Harden Teeth Zinc	1111908
3	SLIDER TAKEUP SUPPORT ROD PLATE ASSY 1	1113113
4	SLIDER TAKEUP SUPPORT ROD 1	1120133
5	SLIDER TAKEUP 458 24IN 9T / 678 24IN 6T ANGLE FRAME 1 ASSY	1120431
6	SLIDER TAKEUP CYLINDER PLATE ASSY 1	1128821
7	SLIDER TAKEUP AIR ALL THREAD PLATE ASSY	1128594
8	SLIDER TAKEUP MANUAL ADJUSTMENT HANDEL ASSY 1	1116426
9	TAKEUP CYLINDER ALIGNMENT COUPLER	1121534

Item No.	Description	Part Number
10	TRACTION WHEEL HUB ASSY. W/O CONE	1120454
11	TRACTION WHEEL CONE ASSY COM	1112856
12	SLIDER TAKEUP ANGLE BRACKET 1	1112075
13	5/8-11x4" HEX HEAD BOLT	1125697
14	5/8" LOCK WASHER	1122597
15	5/8-11 NYLOCK NUT	1113422
16	3/4-10x2 1/2" HEX HEAD BOLT	1119663
17	3/4-10x2" HEX HEAD BOLT	1125271
18	3/4-10x3" HEX HEAD BOLT	1121486
19	3/4" FLAT WASHER	1123437
20	3/4" LOCK WASHER	1118237
21	3/4-10 NYLOCK NUT	1114776
22	1-8x3" HEX HEAD BOLT	1115350
23	1" LOCK WASHER	1117541
24	1 1/2-6 HEX NUT	1119027

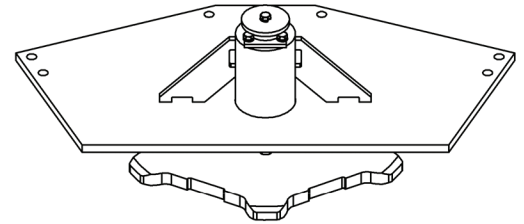


# HERCULES®

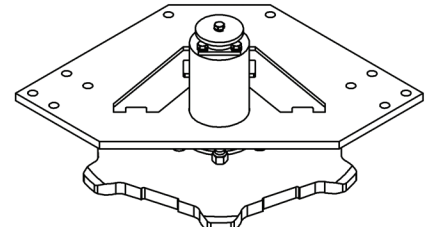
## SLIDER CHAIN 458/678 STANDARD IDLE CORNERS

HERCULES slider chain corners are available in three standard turns, 45 degree, 90 degree, 180 degree. Along with the three standard turns each is offered in 4 different sprocket sizes for 458 slider chain, and 6 sprocket sizes for 678 slider chain.

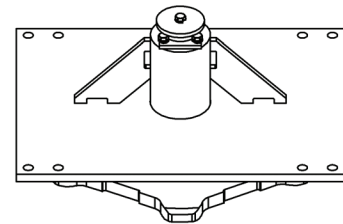
Turn Degree	Tooth Number	Complete Unit Number	Frame Number	458 Sprocket Number
45 Degree	7	1128777	1120060	1123480
	9	1121204	1113915	1119388
	12	1118199	1122810	1119583
	14	1128390	1116436	1112068
90 Degree	7	1112226	1122252	1123480
	9	1126080	1124428	1119388
	12	1116343	1127951	1119583
	14	1120643	1116461	1112068
180 Degree	7	1123932	1119571	1123480
	9	1119655	1114434	1119388
	12	1115646	1113182	1119583
	14	1123111	1127277	1112068



**45 DEGREE CORNER**



**90 DEGREE CORNER**

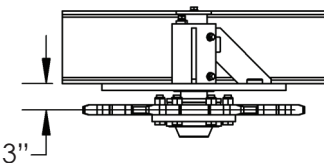


**180 DEGREE CORNER**

**Slider Carousels Available  
For 678 8 Tooth Sprockets**

Turn Degree	Tooth Number	Complete Unit Number	Frame Number	678 Sprocket Number
45 Degree	5	1113386	1115749	1118830
	6	1117526	1122854	1118696
	8	1114933	1115207	1114429
	9	1124954	1120937	1115180
	10	1126254	1128834	1126629
	11	1114572	1127473	1126968
90 Degree	5	1114240	1129315	1118830
	6	1123357	1111776	1118696
	8	1119592	1119478	1114429
	9	1115040	1120561	1115180
	10	1112929	1120396	1126629
	11	1117695	1116861	1126968
180 Degree	5	1125739	1116896	1118830
	6	1121721	1121492	1118696
	8	1117216	1123187	1114429
	9	1124987	1123324	1115180
	10	1128135	1127389	1126629
	11	1123746	1127071	1126968

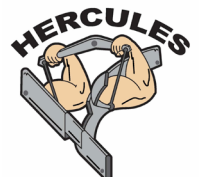
**SLIDER**



**Location Below Beam**

To Order Your Slider Idle Corner Or For More Information Including Bolt Hole Locations Contact a IDFI Sales Representative at: **(877) 873-5858**

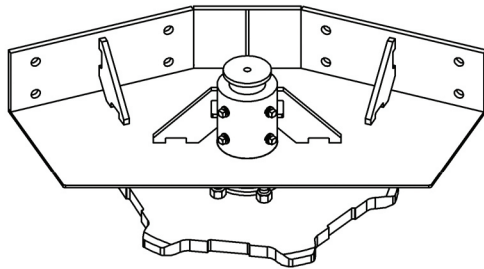
MANUFACTURED BY: **IDFI**.COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604



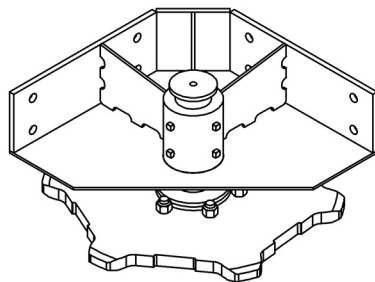
# HERCULES®

## SLIDER CHAIN 458/678 WEB MOUNT IDLE CORNERS

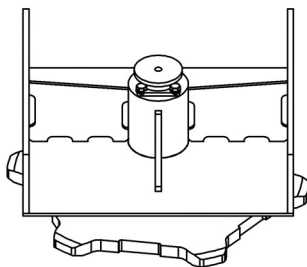
HERCULES slider chain corners are available in three standard turns, 45 degree, 90 degree, 180 degree. Along with the three standard turns each is offered in 4 different sprocket sizes for 458 slider chain, and 6 sprocket sizes for 678 slider chain.



**45 DEGREE CORNER**



**90 DEGREE CORNER**



**180 DEGREE CORNER**

**Slider Carousels Available  
For 678 8 Tooth Sprockets**

Turn Degree	Tooth Number	Complete Unit Number	Frame Number	458 Sprocket Number
45 Degree	7	1111884	1113754	1123480
	9	1120023	1115670	1119388
	12	1121030	1111957	1119583
	14	1118090	1112726	1112068
90 Degree	7	1125220	1111426	1123480
	9	1129653	1123536	1119388
	12	1118890	1124443	1119583
	14	1119672	1126744	1112068
180 Degree	7	1129369	1116978	1123480
	9	1116534	1118018	1119388
	12	1112223	1113827	1119583
	14	1127315	1125274	1112068

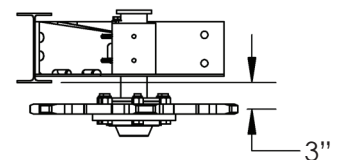
Turn Degree	Tooth Number	Complete Unit Number	Frame Number	678 Sprocket Number
45 Degree	5	1116531	1122255	1118830
	6	1113854	1126069	1118696
	8	1124340	1111253	1114429
	9	1118255	1111931	1115180
	10	1123033	1127426	1126629
90 Degree	11	1123346	1129638	1126968
	5	1124920	1111399	1118830
	6	1114263	1113316	1118696
	8	1117643	1112872	1114429
	9	1115148	1112996	1115180
	10	1114256	1119978	1126629
180 Degree	11	1123538	1111466	1126968
	5	1113806	1117291	1118830
	6	1126610	1112872	1118696
	8	1129220	1117547	1114429
	9	1125624	1122464	1115180
	10	1114256	1123533	1126629
	11	1117190	1119556	1126968

**SLIDER**



To Order Your Slider Idle Corner Or For More Information Including Bolt Hole Locations Contact a IDFI Sales Representative at: **(877) 873-5858**

MANUFACTURED BY: **IDFI**.COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604



**Location Below Beam**

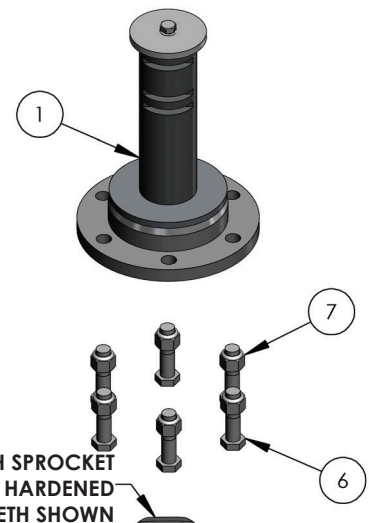
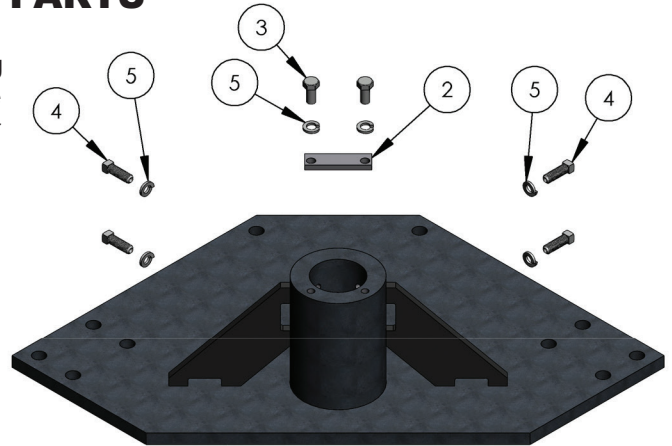


# HERCULES®

## SLIDER CHAIN IDLE CORNER COMMON PARTS

Both standard styles of the HERCULES Slider Chain idle Corners use many of the same parts. This benefits you with not having to worry about keeping a massive inventory of different spare parts. As well as causing less confusion over which parts are or which unit.

Item No.	Description	Part Number
1	TRACTION WHEEL HUB	1122924
2	LOCK PLATE 1	1123161
3	1/2-13x1" HEX HEAD BOLT	1112113
4	1/2-13x1 1/2" SQUARE HEAD SET SCREW	1125066
5	1/2" LOCK WASHER	1113190
6	3/4-10x3" HEX HEAD BOLT	1121486
7	3/4-10 NYLOCK NUT	1114776



678 6 TOOTH SPROCKET WITH HARDENED TEETH SHOWN

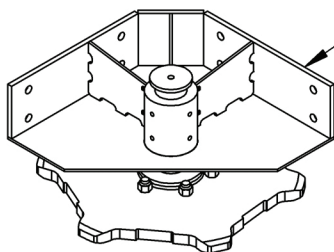
## SLIDER CHAIN 678 SPROCKET

Tooth Number	Description	Part Number
7	458 7 TOOTH SPROCKET WITH HARDENED TEETH	1123480
9	458 9 TOOTH SPROCKET WITH HARDENED TEETH	1119388
12	458 12 TOOTH SPROCKET WITH HARDENED TEETH	1119583
14	458 14 TOOTH SPROCKET WITH HARDENED TEETH	1112068

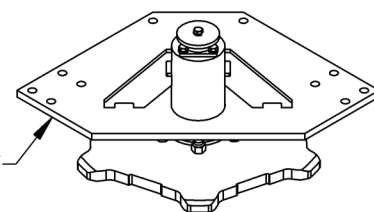
## SLIDER CHAIN 678 SPROCKET

Tooth Number	Description	Part Number
5	678 5 TOOTH SPROCKET WITH HARDENED TEETH	1118830
6	678 6 TOOTH SPROCKET WITH HARDENED TEETH	1118696
8	678 8 TOOTH SPROCKET WITH HARDENED TEETH	1114429
9	678 9 TOOTH SPROCKET WITH HARDENED TEETH	1115180
10	678 10 TOOTH SPROCKET WITH HARDENED TEETH	1126629
11	678 11 TOOTH SPROCKET WITH HARDENED TEETH	1126968

**Slider Sprocket Idle Corner 90 Degree 678 6 Tooth Assembly Shown Above**



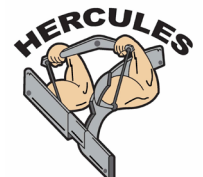
SLIDER CHAIN IDLE CORNER FLANGE MOUNT FRAME



SLIDER CHAIN IDLE CORNER BOTTOM OF BEAM MOUNT FRAME

To order your slider idle corner or for more information including bolt hole locations contact an IDFI sales representative at: **(877) 873-5858**

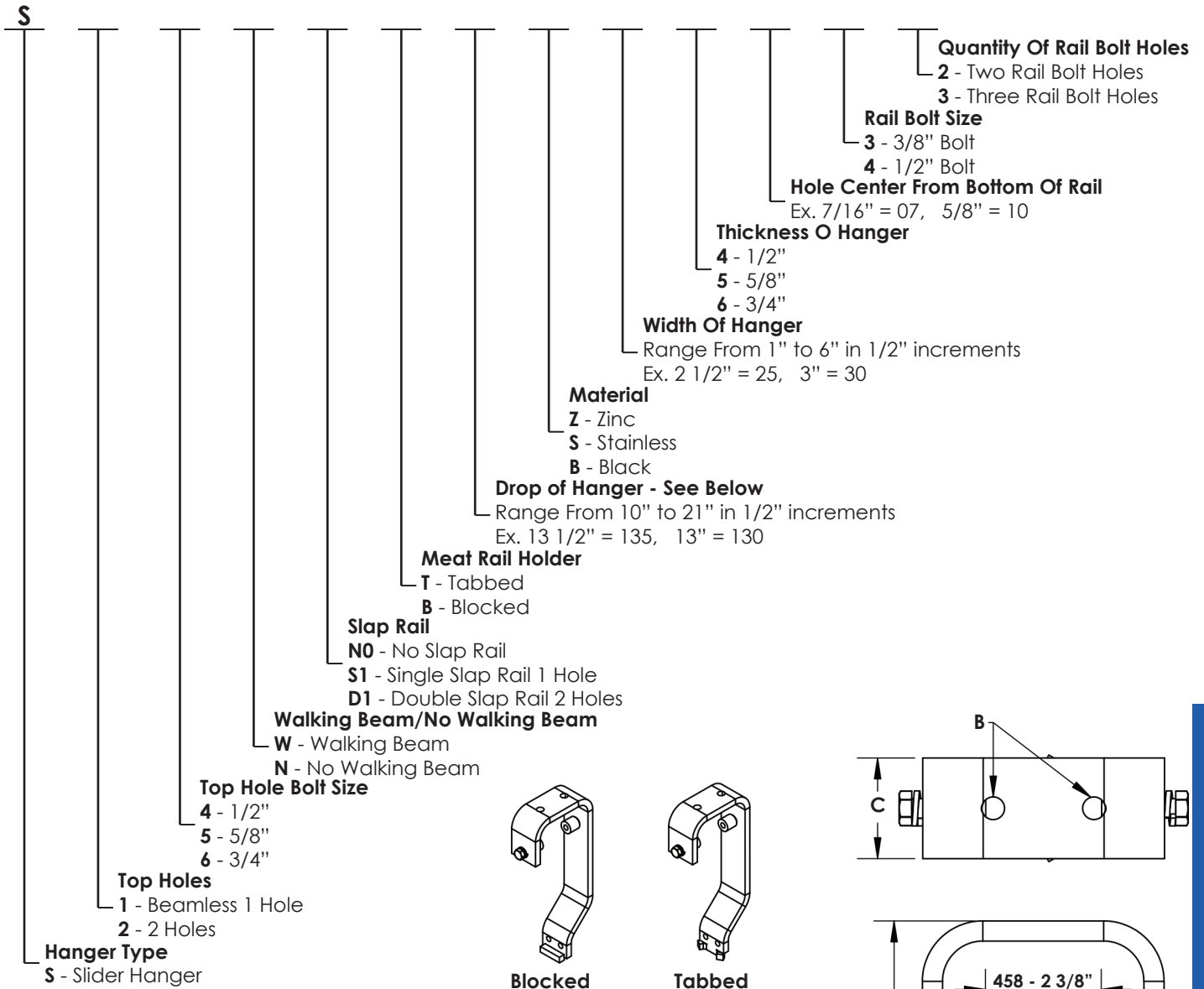
MANUFACTURED BY: **IDFI**.COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604





# HERCULES®

## SLIDER CHAIN HANGER ORDERING GUIDE

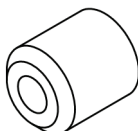
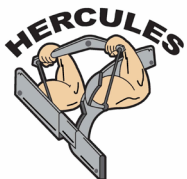


## SLIDER CHAIN STAND HANGERS AND STAND OFFS

Part Number	Description	Hanger Height "A"	Hanger Width "B"	Top Bolt Hole Size "C"	Tabbed Or Blocked
1125059	HANGER S24NNOT135Z2541032	13 1/2"	2 1/2"	1/2"	TABBED
1112024	HANGER S24NNOB135Z2541032	13 1/2"	2 1/2"	1/2"	BLOCKED
1120913	HANGER S25NNOT160Z3041032	16"	3"	5/8"	TABBED
1116557	HANGER S25NNOB160Z3041032	16"	3"	5/8"	BLOCKED

Item No.	Description	Part Number
A	SLIDER CHAIN STAND OFF 458 1.313	1112898
A	SLIDER CHAIN STAND OFF 678 1.062	1123290

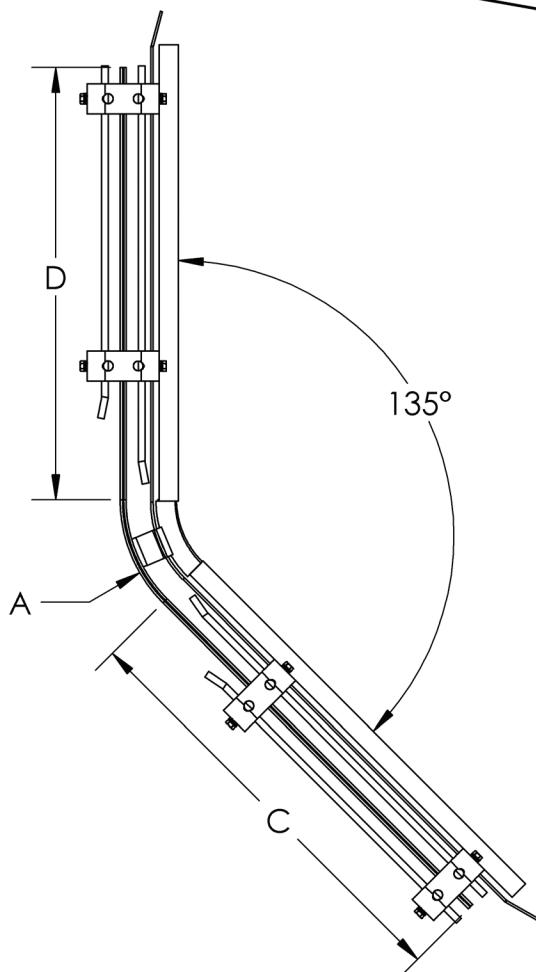
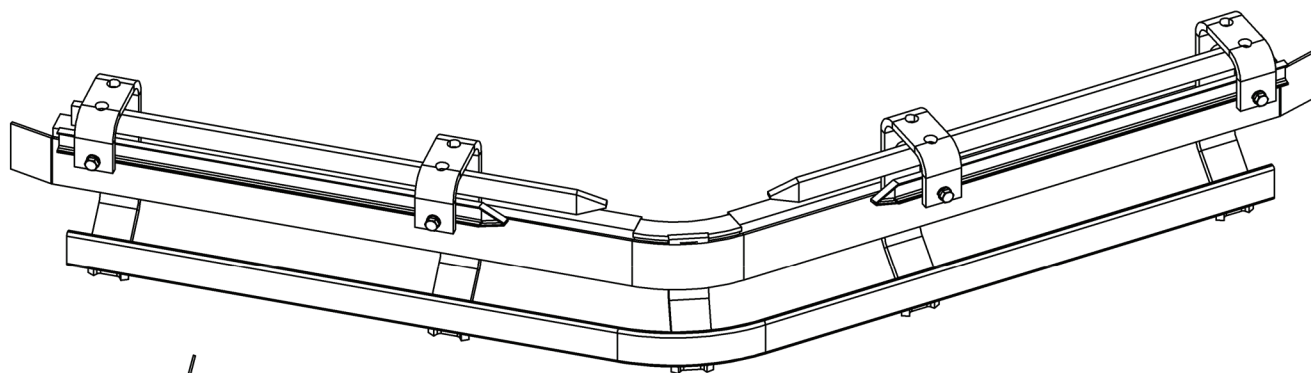
To order slider hangers or slider hanger parts contact an IDFI sales representative at: (877) 873-5858



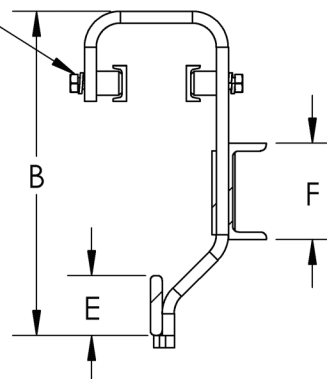
MANUFACTURED BY: IDFI .COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604

# HERCULES®

## SLIDER CHAIN 45 DEGREE BUILT UP CORNER



1/2"-13 X 1 1/2" HEX HEAD BOLT  
1/2" LOCK WASHER



SLIDER

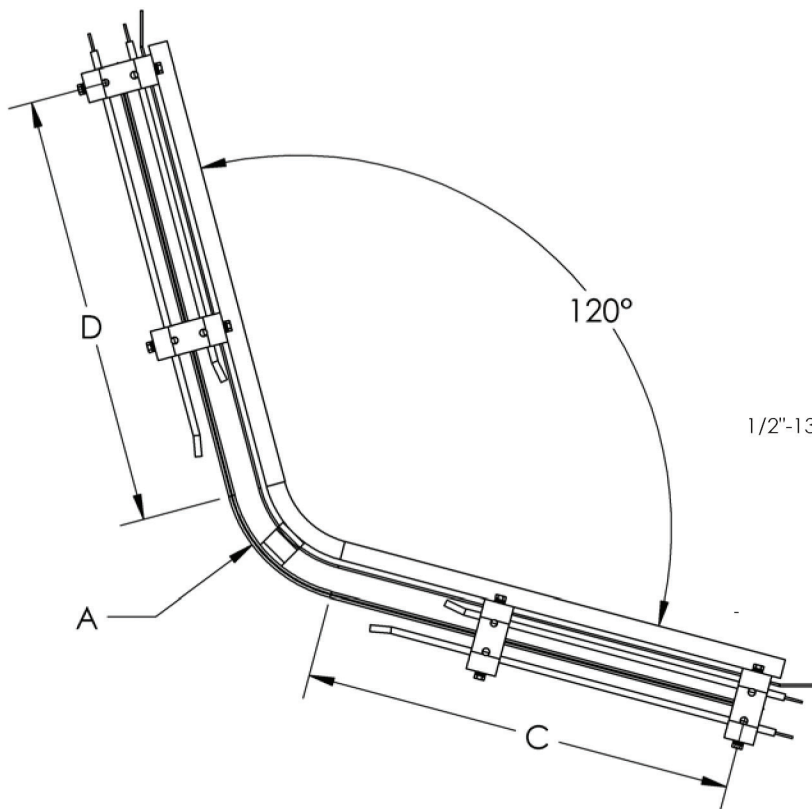
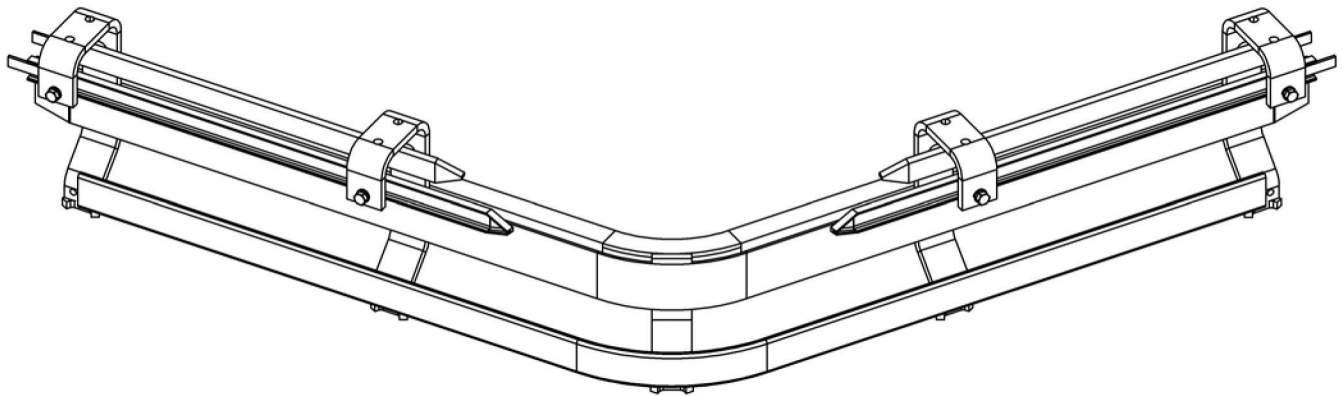
Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "E"
BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 45 DEGREE SLIDER CORNER	1122347	23.3"	13 1/2"	36"	36"	2 1/2"	4"
CUSTOM - BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 45 DEGREE SLIDER CORNER	CALL					2 1/2" 3"	4" 6"

To order your slider chain built up corner or for more information contact an IDFI sales representative at: **(877) 873-5858**

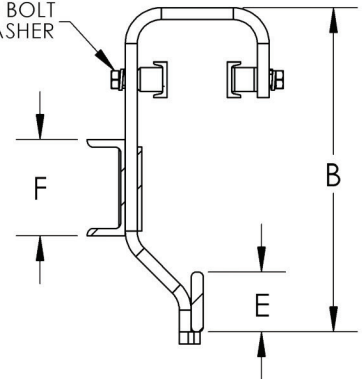


# HERCULES®

## SLIDER CHAIN 60 DEGREE BUILT UP CORNER



1/2"-13 X 1 1/2" HEX HEAD BOLT  
1/2" LOCK WASHER



**SLIDER**

Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "E"
BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 60 DEGREE SLIDER CORNER	1127696	23.3"	13 1/2"	36"	36"	2 1/2"	4"
CUSTOM - BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 60 DEGREE SLIDER CORNER	CALL					2 1/2" 3"	4" 6"

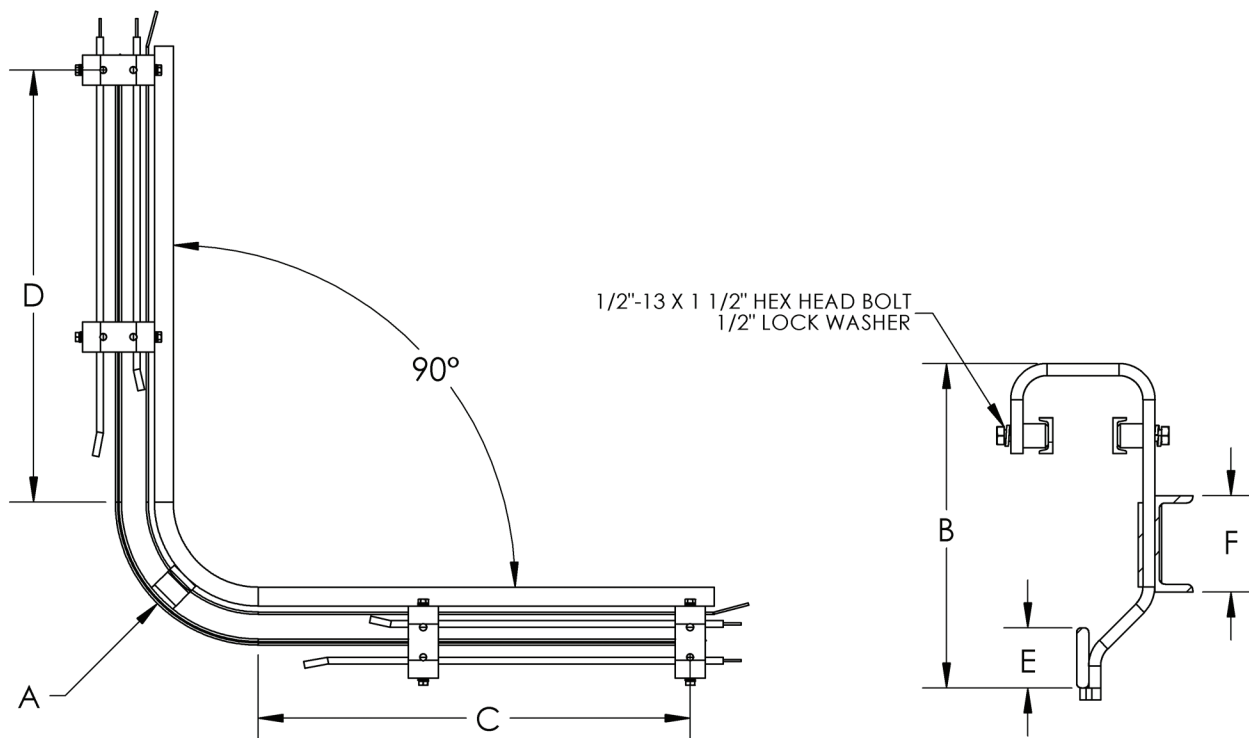
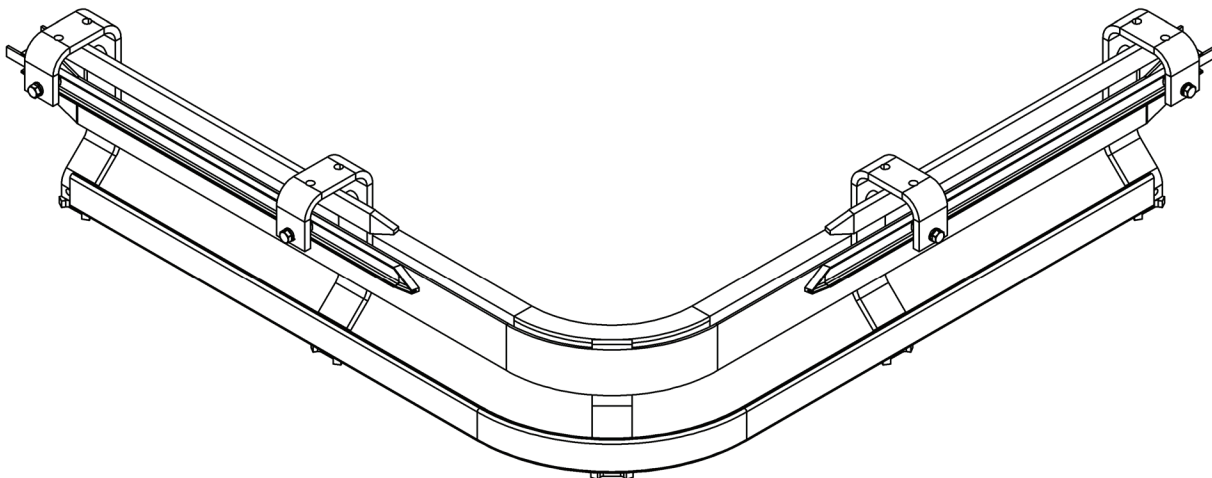


To order your slider chain built up corner or for more information contact an IDFI sales representative at: **(877) 873-5858**

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# HERCULES®

## SLIDER CHAIN 90 DEGREE BUILT UP CORNER



SLIDER

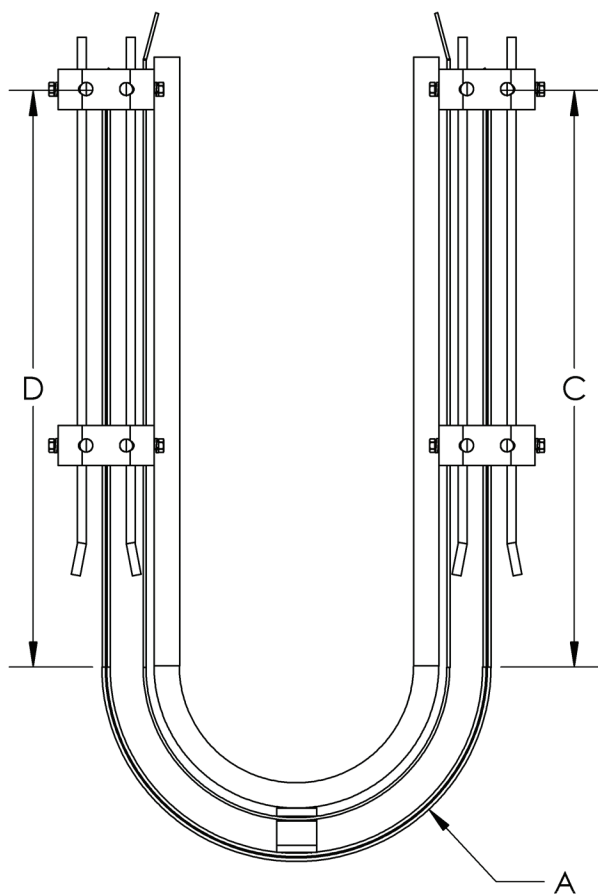
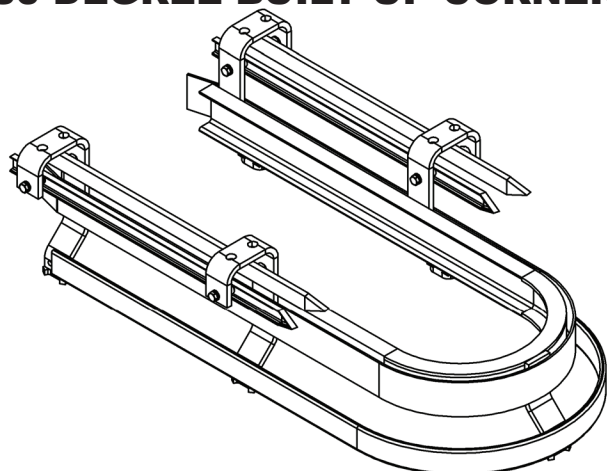
Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "E"
BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 90 DEGREE SLIDER CORNER	1120639	23.3"	13 1/2"	36"	36"	2 1/2"	4"
CUSTOM - BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 90 DEGREE SLIDER CORNER	CALL					2 1/2" 3"	4" 6"

To order your slider chain built up corner or for more information contact an IDFI sales representative at: **(877) 873-5858**

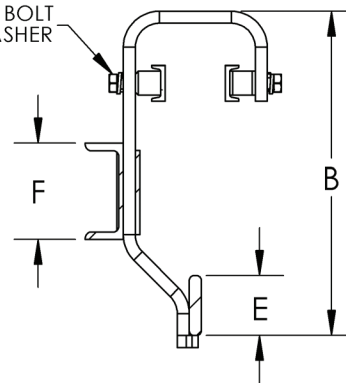


# HERCULES®

## SLIDER CHAIN 180 DEGREE BUILT UP CORNER

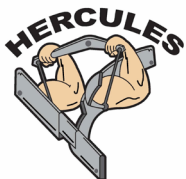


1/2"-13 X 1 1/2" HEX HEAD BOLT  
1/2" LOCK WASHER



**SLIDER**

Description	Part Number	Corner Diameter "A"	Hanger Height "B"	Right Meat Rail "C"	Left Meat Rail "D"	Meat Rail Height "E"	C Channel Size "E"
BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 180 DEGREE SLIDER CORNER	1120584	23.3"	13 1/2"	36"	36"	2 1/2"	4"
CUSTOM - BUILT UP CORNER 458 9 TOOTH/678 6 TOOTH 180 DEGREE SLIDER CORNER	CALL					2 1/2" 3"	4" 6"



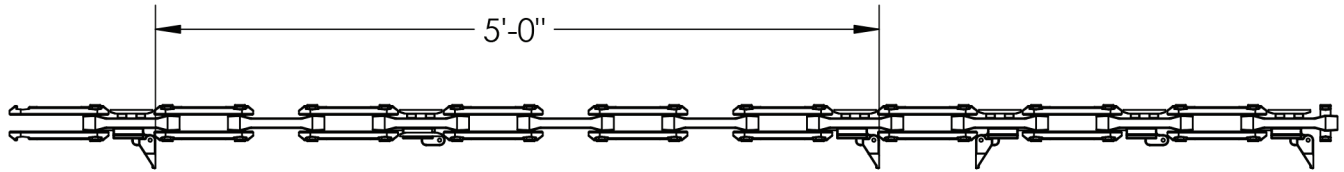
To order your slider chain built up corner or for more information contact an IDFI sales representative at: **(877) 873-5858**

MANUFACTURED BY: **IDFI**.COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604

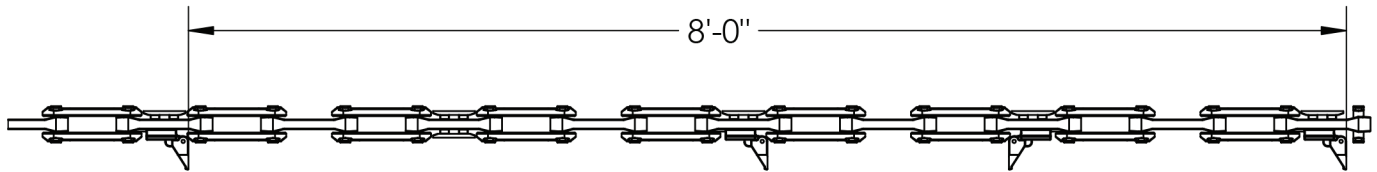


# HERCULES<sup>®</sup>

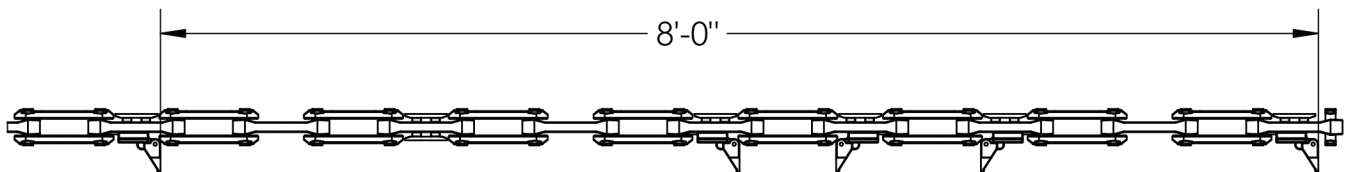
## SLIDER CHAIN 678 SPACING OPTIONS



BLEED CONVEYOR 5 FOOT SPACING



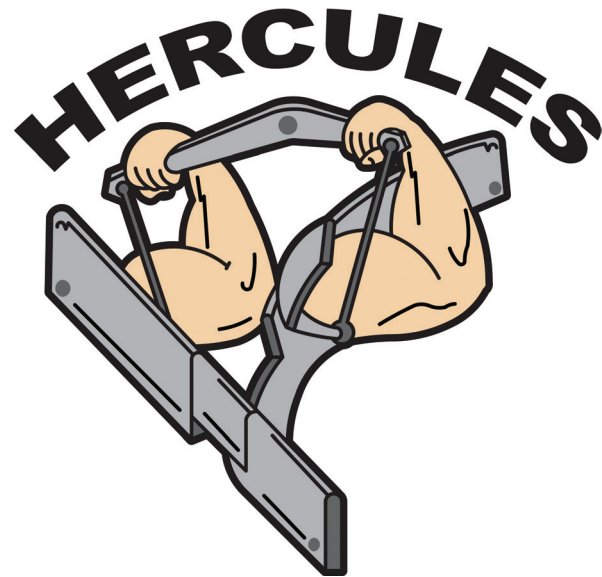
SKINNING CONVEYOR 8 FOOT SPACING



GUT CONVEYOR 8'-0\" SPACING

SLIDER

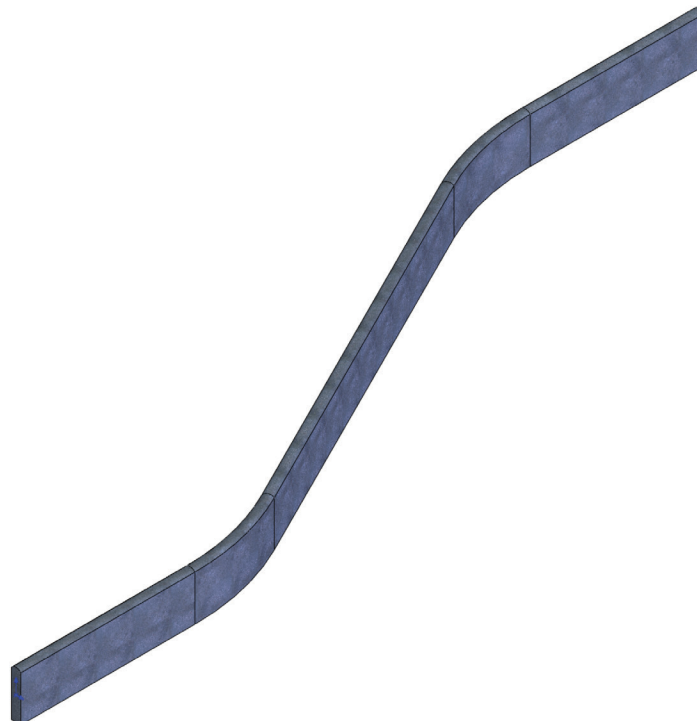




## MEAT RAIL SECTION

The HERCULES line up of Meat Rail components are all customizable to work in almost any situation you may incur. Both Roller I Beam and slider rail systems you know will run smoothly with your HERCULES brand meat rail components.

Table Of Contents	
2 1/2INCH MEAT RAIL CORNERS	52-R
3INCH MEAT RAIL CORNERS	53-R
MEAT RAIL DOUBLE OFFSET RAILS LEFT / RIGHT	54-R
MEAT RAIL VERTICAL INCLINE / DECLINE RAILS	55-R
MEAT RAIL ROLLED LEFT 90 DEGREE 2 1/2 INCH DOWN	56-R
MEAT RAIL ROLLED RIGHT 90 DEGREE 2 1/2 INCH DOWN	57-R

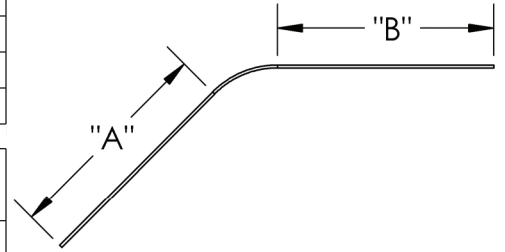


# HERCULES®

## 2 1/2 INCH MEAT RAIL CORNERS 45 DEGREE MEAT RAIL CORNERS

DEG	Description	Part Number	Material	Radius	"A"	"B"
45	MEAT RAIL 1/2"x2 1/2" 45 DEG 9" RADIUS	1116109	MS	9"	36"	36"
	MEAT RAIL 1/2"x2 1/2" 45 DEG 12" RADIUS	1119042	MS	12"	34"	34"
	MEAT RAIL 1/2"x2 1/2" 45 DEG 15" RADIUS	1118848	MS	15"	34"	34"
	MEAT RAIL 1/2"x2 1/2" 45 DEG 18" RADIUS	1119995	MS	18"	32"	32"

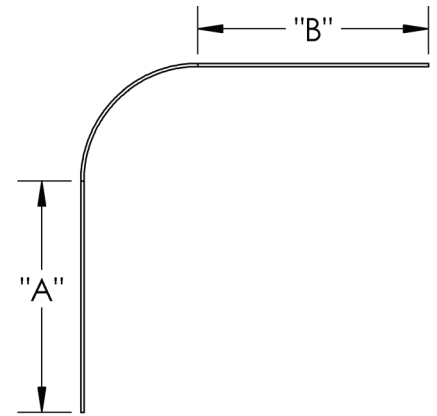
DEG	Description	Part Number	Material	Radius	"A"	"B"
45	MEAT RAIL 1/2"x2 1/2" 45 DEG 9" RADIUS	1118996	Zinc	9"	36"	36"
	MEAT RAIL 1/2"x2 1/2" 45 DEG 12" RADIUS	1125335	Zinc	12"	34"	34"
	MEAT RAIL 1/2"x2 1/2" 45 DEG 15" RADIUS	1123776	Zinc	15"	34"	34"
	MEAT RAIL 1/2"x2 1/2" 45 DEG 18" RADIUS	1112530	Zinc	18"	32"	32"



## 90 DEGREE MEAT RAIL CORNERS

DEG	Description	Part Number	Material	Radius	"A"	"B"
90	MEAT RAIL 1/2"x2 1/2" 90 DEG 9" RADIUS	1118021	MS	9"	32"	32"
	MEAT RAIL 1/2"x2 1/2" 90 DEG 12" RADIUS	1120871	MS	12"	30"	30"
	MEAT RAIL 1/2"x2 1/2" 90 DEG 15" RADIUS	1120598	MS	15"	28"	28"
	MEAT RAIL 1/2"x2 1/2" 90 DEG 18" RADIUS	1125260	MS	18"	36"	36"

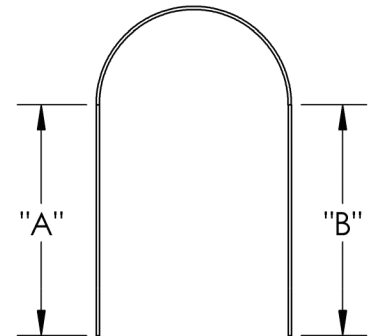
DEG	Description	Part Number	Material	Radius	"A"	"B"
90	MEAT RAIL 1/2"x2 1/2" 90 DEG 9" RADIUS	1119397	Zinc	9"	32"	32"
	MEAT RAIL 1/2"x2 1/2" 90 DEG 12" RADIUS	1117327	Zinc	12"	30"	30"
	MEAT RAIL 1/2"x2 1/2" 90 DEG 15" RADIUS	1119968	Zinc	15"	28"	28"
	MEAT RAIL 1/2"x2 1/2" 90 DEG 18" RADIUS	1116183	Zinc	18"	36"	36"



## 180 DEGREE MEAT RAIL CORNERS

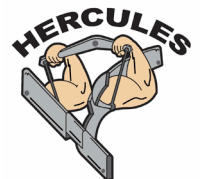
DEG	Description	Part Number	Material	Radius	"A"	"B"
180	MEAT RAIL 1/2"x2 1/2" 180 DEG 9" RADIUS	1123528	MS	9"	42"	42"
	MEAT RAIL 1/2"x2 1/2" 180 DEG 12" RADIUS	1117006	MS	12"	40"	40"
	MEAT RAIL 1/2"x2 1/2" 180 DEG 15" RADIUS	1128479	MS	15"	36"	36"
	MEAT RAIL 1/2"x2 1/2" 180 DEG 18" RADIUS	1125141	MS	18"	30"	30"

DEG	Description	Part Number	Material	Radius	"A"	"B"
180	MEAT RAIL 1/2"x2 1/2" 180 DEG 9" RADIUS	1121561	Zinc	9"	42"	42"
	MEAT RAIL 1/2"x2 1/2" 180 DEG 12" RADIUS	1127604	Zinc	12"	40"	40"
	MEAT RAIL 1/2"x2 1/2" 180 DEG 15" RADIUS	1126663	Zinc	15"	36"	36"
	MEAT RAIL 1/2"x2 1/2" 180 DEG 18" RADIUS	1127017	Zinc	18"	30"	30"



MEAT RAIL

For more custom meat rail corner options contact an IDFI sales representative at: (877) 873-5858

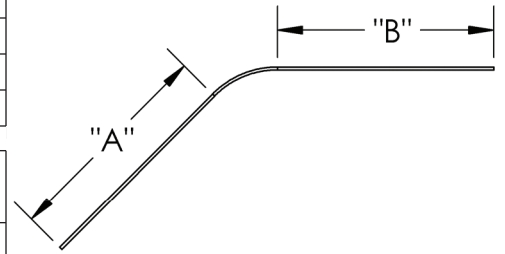


# HERCULES®

## 3 INCH MEAT RAIL CORNERS 45 DEGREE MEAT RAIL CORNERS

DEG	Description	Part Number	Material	Radius	"A"	"B"
45	MEAT RAIL 1/2"x3" 45 DEG 9" RADIUS	1125039	MS	9"	36"	36"
	MEAT RAIL 1/2"x3" 45 DEG 12" RADIUS	1125039	MS	12"	34"	34"
	MEAT RAIL 1/2"x3" 45 DEG 15" RADIUS	1118550	MS	15"	34"	34"
	MEAT RAIL 1/2"x3" 45 DEG 18" RADIUS	1112670	MS	18"	32"	32"

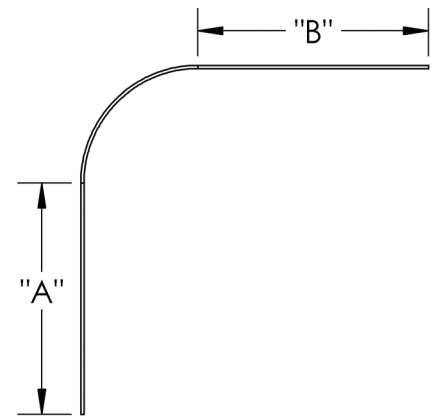
DEG	Description	Part Number	Material	Radius	"A"	"B"
45	MEAT RAIL 1/2"x3" 45 DEG 9" RADIUS	1118657	Zinc	9"	36"	36"
	MEAT RAIL 1/2"x3" 45 DEG 12" RADIUS	1121040	Zinc	12"	34"	34"
	MEAT RAIL 1/2"x3" 45 DEG 15" RADIUS	1123212	Zinc	15"	34"	34"
	MEAT RAIL 1/2"x3" 45 DEG 18" RADIUS	1118944	Zinc	18"	32"	32"



## 90 DEGREE MEAT RAIL CORNERS

DEG	Description	Part Number	Material	Radius	"A"	"B"
90	MEAT RAIL 1/2"x3" 90 DEG 9" RADIUS	1115736	MS	9"	32"	32"
	MEAT RAIL 1/2"x3" 90 DEG 12" RADIUS	1127303	MS	12"	30"	30"
	MEAT RAIL 1/2"x3" 90 DEG 15" RADIUS	1125291	MS	15"	28"	28"
	MEAT RAIL 1/2"x3" 90 DEG 18" RADIUS	1128878	MS	18"	36"	36"

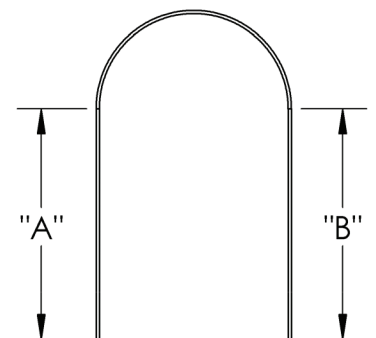
DEG	Description	Part Number	Material	Radius	"A"	"B"
90	MEAT RAIL 1/2"x3" 90 DEG 9" RADIUS	1122513	Zinc	9"	32"	32"
	MEAT RAIL 1/2"x3" 90 DEG 12" RADIUS	1128387	Zinc	12"	30"	30"
	MEAT RAIL 1/2"x3" 90 DEG 15" RADIUS	1112489	Zinc	15"	28"	28"
	MEAT RAIL 1/2"x3" 90 DEG 18" RADIUS	1129729	Zinc	18"	36"	36"



## 180 DEGREE MEAT RAIL CORNERS

DEG	Description	Part Number	Material	Radius	"A"	"B"
180	MEAT RAIL 1/2"x3" 180 DEG 9" RADIUS	1114320	MS	9"	42"	42"
	MEAT RAIL 1/2"x3" 180 DEG 12" RADIUS	1116759	MS	12"	40"	40"
	MEAT RAIL 1/2"x3" 180 DEG 15" RADIUS	1127353	MS	15"	36"	36"
	MEAT RAIL 1/2"x3" 180 DEG 18" RADIUS	1115029	MS	18"	30"	30"

DEG	Description	Part Number	Material	Radius	"A"	"B"
180	MEAT RAIL 1/2"x3" 180 DEG 9" RADIUS	1112128	Zinc	9"	42"	42"
	MEAT RAIL 1/2"x3" 180 DEG 12" RADIUS	1119090	Zinc	12"	40"	40"
	MEAT RAIL 1/2"x3" 180 DEG 15" RADIUS	1123044	Zinc	15"	36"	36"
	MEAT RAIL 1/2"x3" 180 DEG 18" RADIUS	1122107	Zinc	18"	30"	30"



**MEAT RAIL**

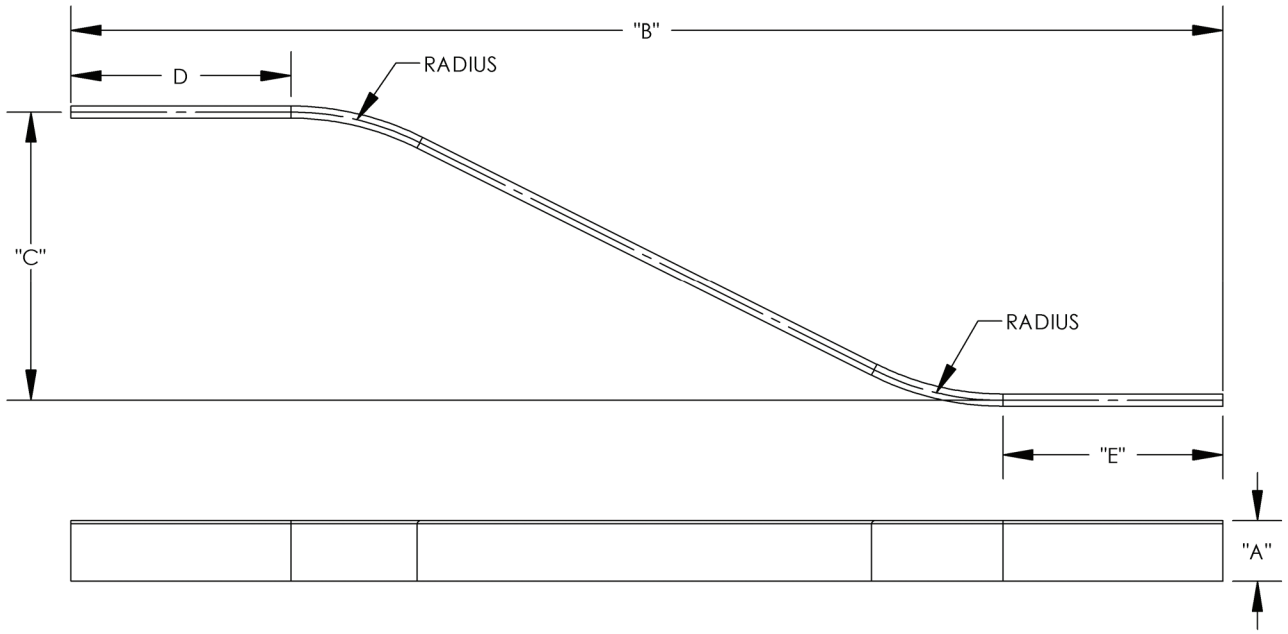


For more custom meat rail corner options contact an IDFI sales representative at: (877) 873-5858

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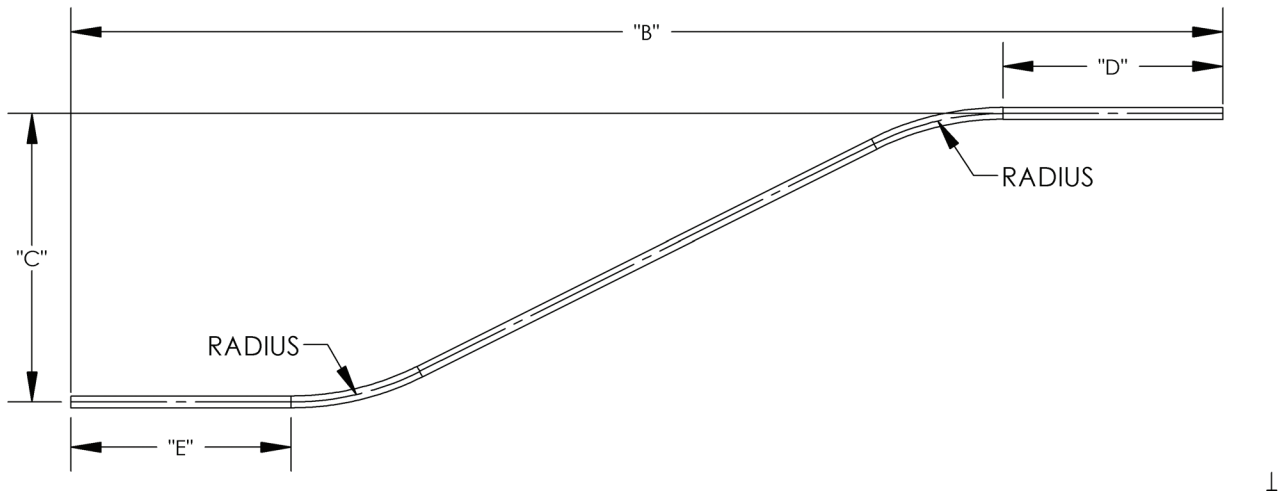
# HERCULES<sup>®</sup>

## MEAT RAIL DOUBLE OFFSET LEFT



Description	Radius	Meat Rail Height "A"	Overall Length "B"	Offset Distance "C"	End Length "D"	End Length "E"
CUSTOM DOUBLE OFFSET MEAT RAIL LEFT						

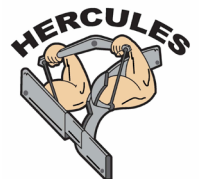
## MEAT RAIL DOUBLE OFFSET RIGHT



Description	Radius	Meat Rail Height "A"	Overall Length "B"	Offset Distance "C"	End Length "D"	End Length "E"
CUSTOM DOUBLE OFFSET MEAT RAIL RIGHT						

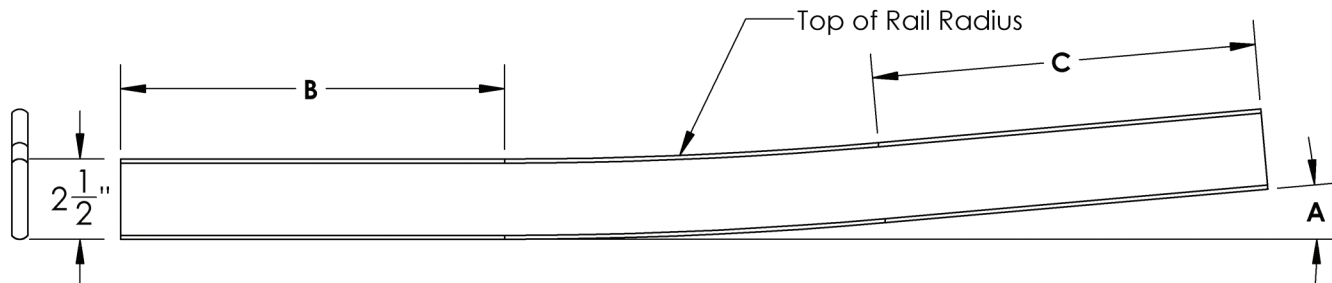
MEAT RAIL

For more custom meat rail corner options contact an IDFI sales representative at: [\(877\) 873-5858](tel:8778735858)



# HERCULES<sup>®</sup>

## MEAT RAIL VERTICAL CURVE INCLINE RAIL

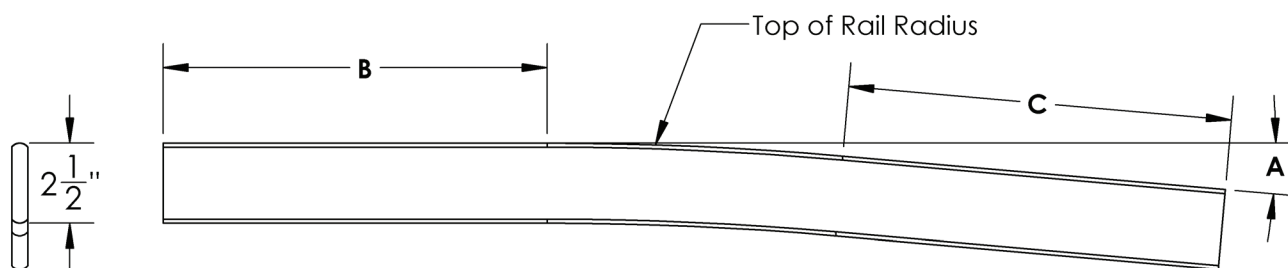


HERCULES VERTICAL CURVE INCLINE MEAT RAIL					
Description	Number	Material	A	B	C
MEAT RAIL 1/2"x2 1/2" VERTICAL CURVE INCLINE CUSTOM	1119456				

A-INCLINE ANGLE  
 B-RIGHT TANGENT LENGTH  
 C-LEFT TANGENT LENGTH

AVAILABLE MATERIAL  
 ELECTROPLATED  
 BLACK STEEL  
 STAINLESS STEEL

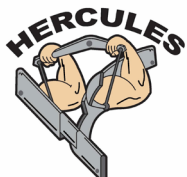
## MEAT RAIL VERTICAL CURVE DECLINE RAIL



HERCULES VERTICAL CURVE DECLINE MEAT RAIL					
Description	Number	Material	A	B	C
MEAT RAIL 1/2"x2 1/2" VERTICAL CURVE DECLINE CUSTOM	1113519				

A-INCLINE ANGLE  
 B-RIGHT TANGENT LENGTH  
 C-LEFT TANGENT LENGTH

AVAILABLE MATERIAL  
 ELECTROPLATED  
 BLACK STEEL  
 STAINLESS STEEL



For more custom meat rail incline/decline orders contact  
 an IDFI sales representative at: (877) 873-5858

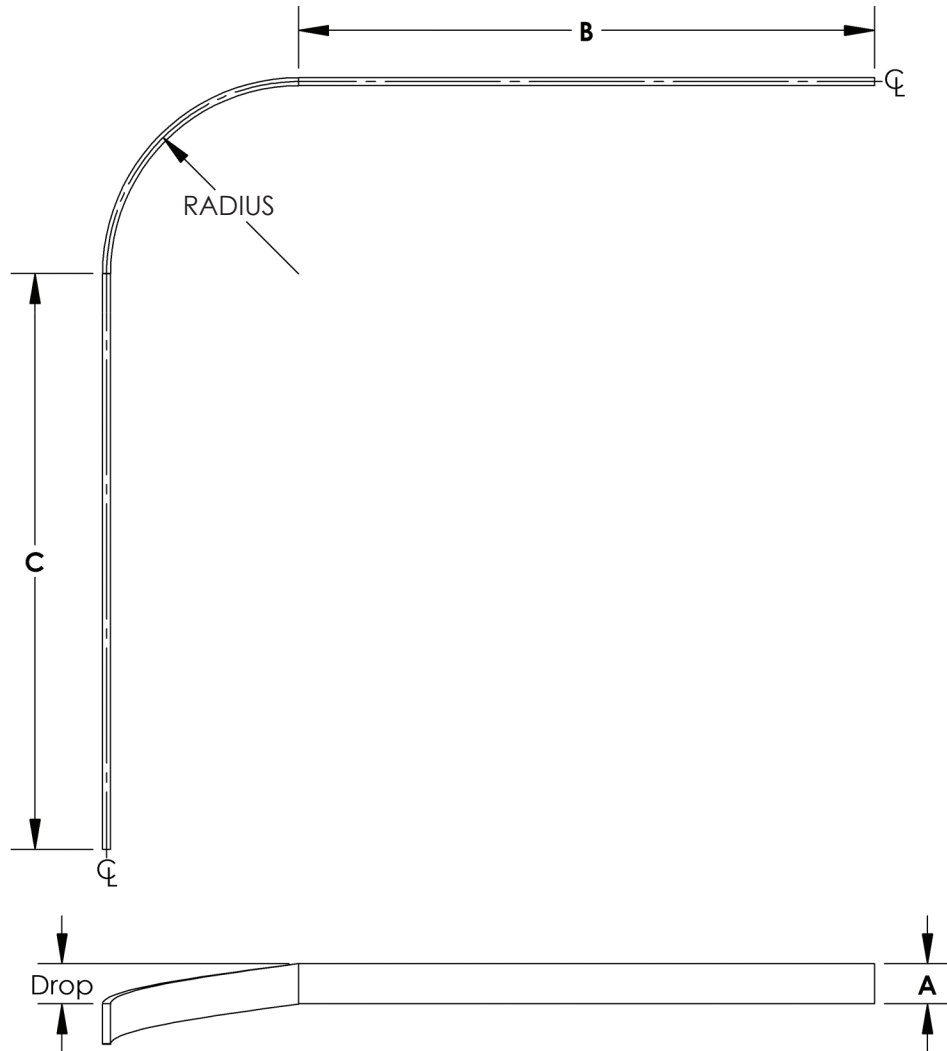
MANUFACTURED BY: IDFI.COM  
 PHONE: 1-877-873-5858 FAX: 1-712-224-5604

MEAT RAIL



# HERCULES®

MEAT RAIL ROLLED LEFT 90 DEGREE 2 1/2 INCHES DOWN



A-MEAT RAIL HEIGHT  
 B-MEAT RAIL TOP TANGENT LENGTH  
 C-MEAT RAIL BOTTOM TANGENT LENGTH

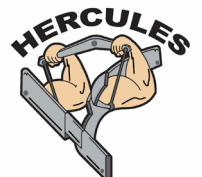
## HERCULES STANDARD MEAT RAIL ROLLED 90 DEGREE LEFT 2 1/2 INCHES DOWN

Description	Part Number	Rail Drop	Radius	A	B	C
MEAT RAIL ROLLED 90 DEG LEFT 2 1/2" DOWN	1127290	2 1/2"	12"	2 1/2"	36"	36"

## HERCULES CUSTOM MEAT RAIL ROLLED 90 DEGREE LEFT 2 1/2 INCHES DOWN

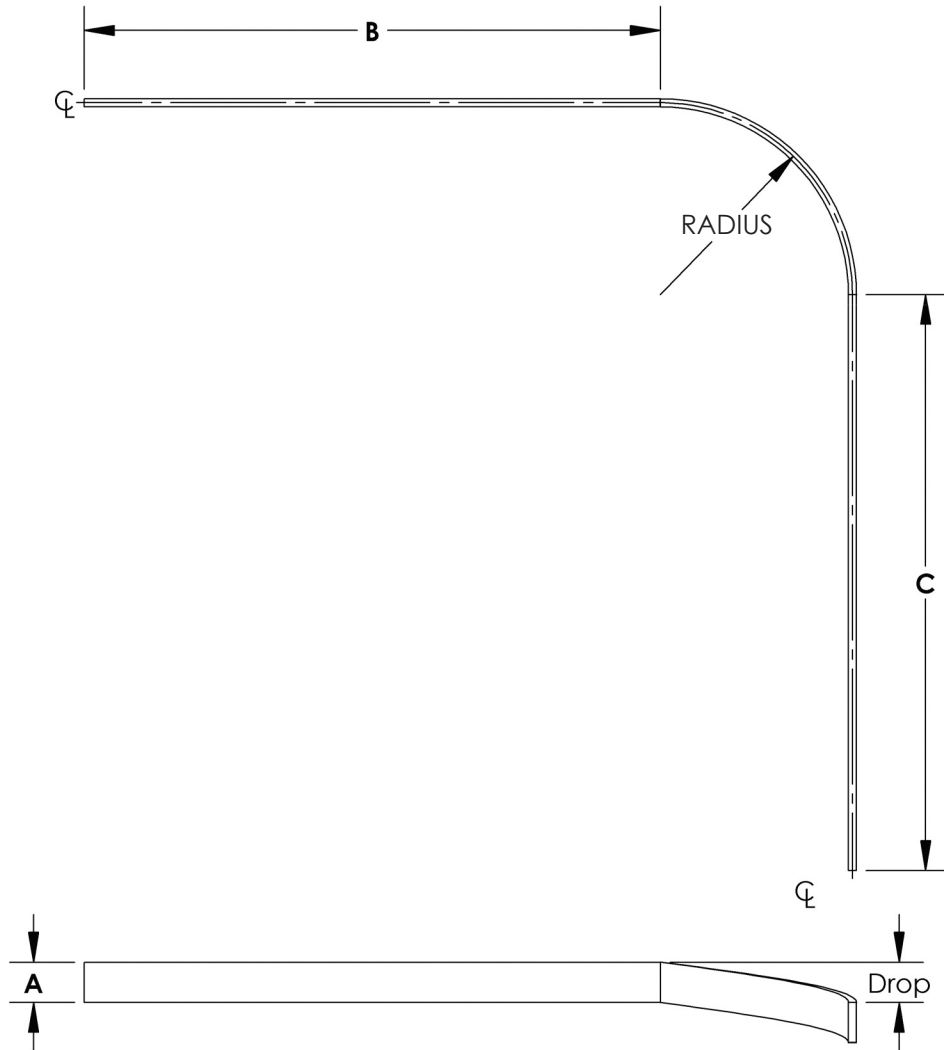
Description	Part Number	Rail Drop	Radius	A	B	C
CUSTOM MEAT RAIL ROLLED 90 DEG LEFT 2 1/2" DOWN	CALL	2 1/2"				

For more custom meat rail corner options contact an IDFI sales representative at: (877) 873-5858



# HERCULES<sup>®</sup>

## MEAT RAIL ROLLED RIGHT 90 DEGREE 2 1/2 INCHES DOWN



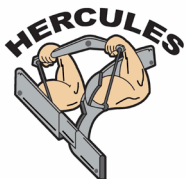
A-MEAT RAIL HEIGHT  
 B-MEAT RAIL TOP TANGENT LENGTH  
 C-MEAT RAIL BOTTOM TANGENT LENGTH

HERCULES STANDARD MEAT RAIL ROLLED 90 DEGREE RIGHT 2 1/2 INCHES DOWN						
Description	Part Number	Rail Drop	Radius	A	B	C
MEAT RAIL ROLLED 90 DEG RIGHT 2 1/2" DOWN	1124063	2 1/2"	12"	2 1/2"	36"	36"

HERCULES CUSTOM MEAT RAIL ROLLED 90 DEGREE RIGHT 2 1/2 INCHES DOWN						
Description	Part Number	Rail Drop	Radius	A	B	C
CUSTOM MEAT RAIL ROLLED 90 DEG RIGHT 2 1/2" DOWN	CALL	2 1/2"				

**MEAT RAIL**



For more custom meat rail corner options contact an IDFI sales representative at: (877) 873-5858

MANUFACTURED BY: **IDFI**.COM  
 PHONE: 1-877-873-5858 FAX: 1-712-224-5604

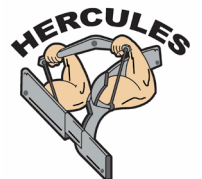
# HERCULES<sup>®</sup>

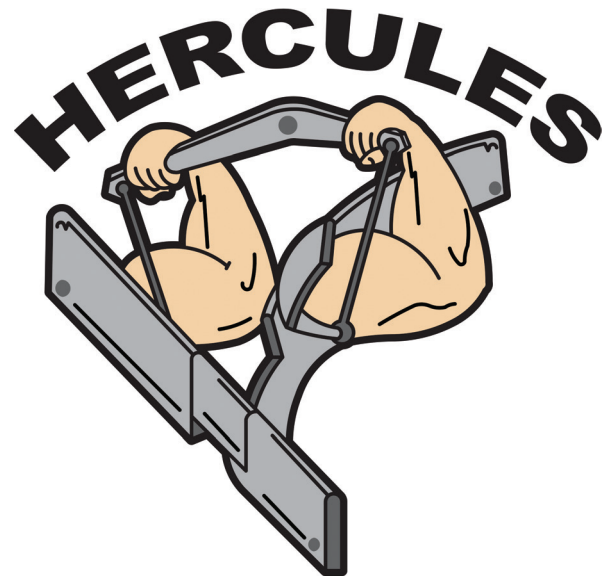
NOTES

MEAT RAIL

58-R

MANUFACTURED BY:  .COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604

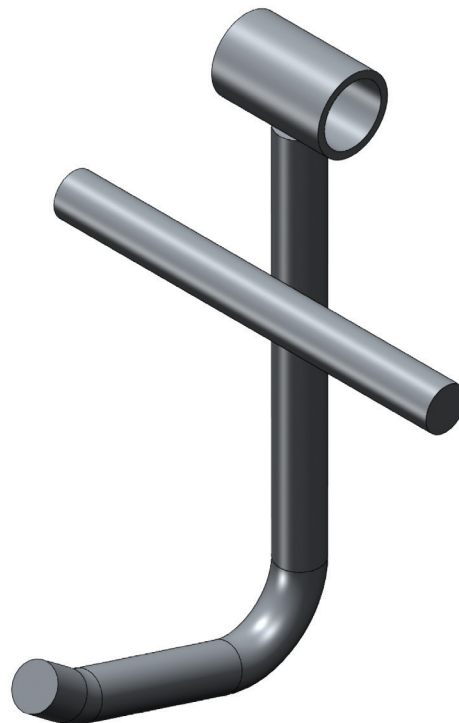




### HOOKS SECTION

HERCULES Hooks are ideal for any plant. Every Hook that IDFI offers is available in both a standard option, or a customized version made to the exact dimensions that you need for your specific operation giving you the confidence that you have the right hook for the job.

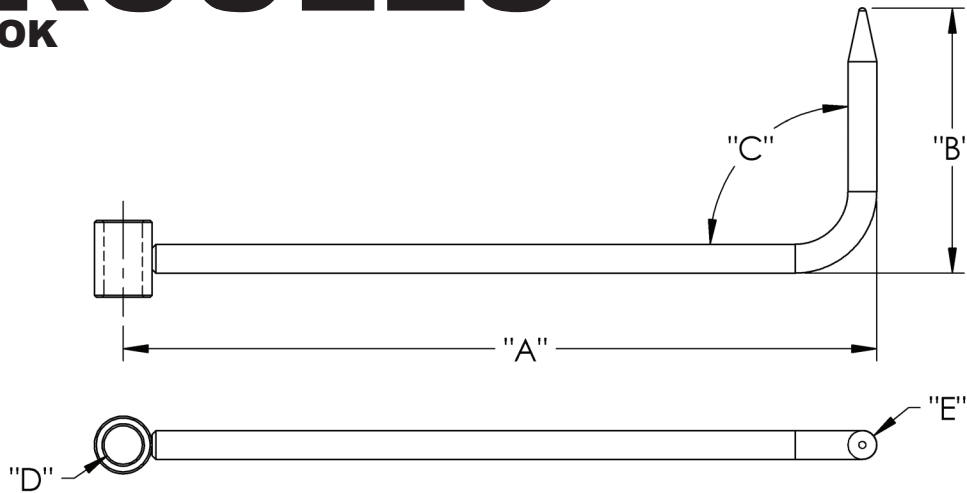
Table Of Contents	
TRIPE HOOK / LIVER HOOK	60-H
TONGUE HOOK / PAUNCH HOOK	61-H
TRIP HOOK / TROLLEY RETURN HOOK	62-H
HEAD HOOK / BELLY HOOK	63-H



# HERCULES®

## TRIPE HOOK

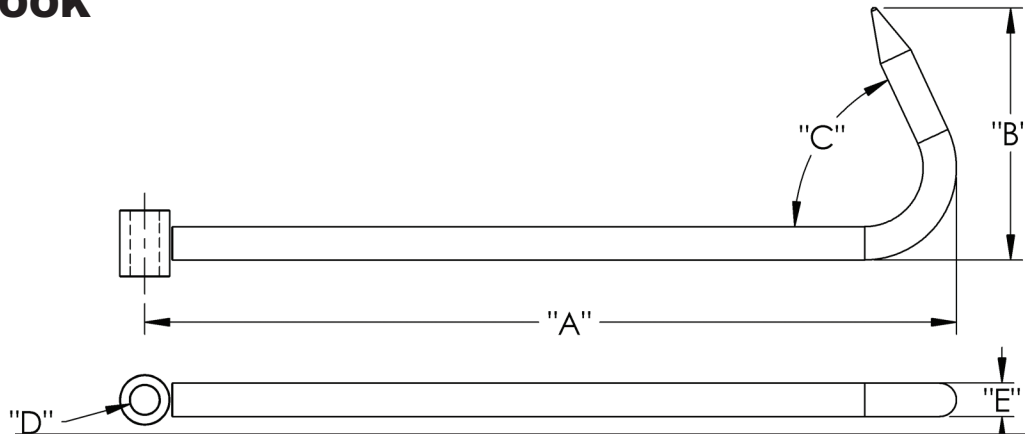
HOOKS



Standard Tripe Hook						
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"
1127709	TRIPE HOOK	9 13/16"	3 7/16"	90 DEG	1/2"	1/2" DIA

Custom Tripe Hook						
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"
CALL	TRIPE HOOK					

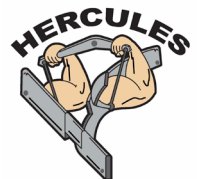
## LIVER HOOK



Standard Liver Hook						
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"
1115222	LIVER HOOK	12 3/16"	3 3/4"	65 DEG	1/2"	1/2" DIA

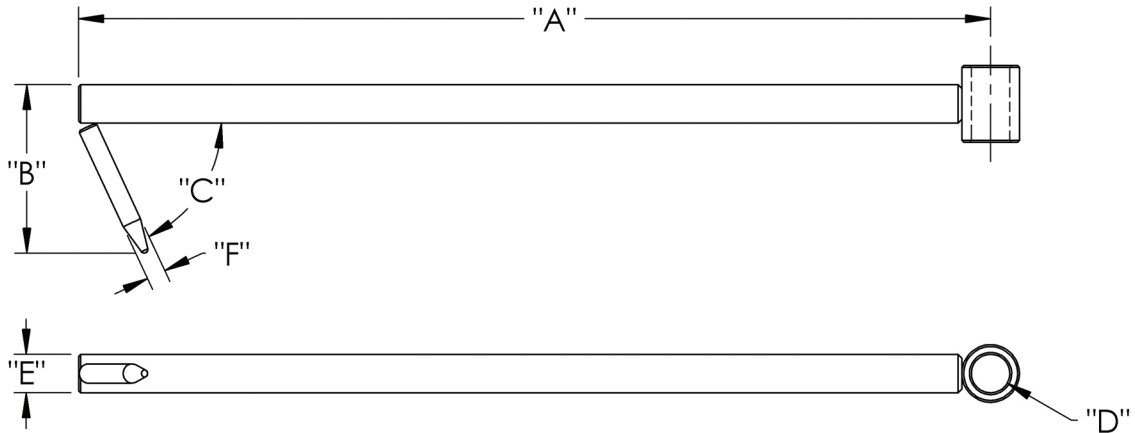
Custom Liver Hook						
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"
CALL	LIVER HOOK					

**Sample Of Existing Hook Required To Order  
Custom Hooks**



# HERCULES®

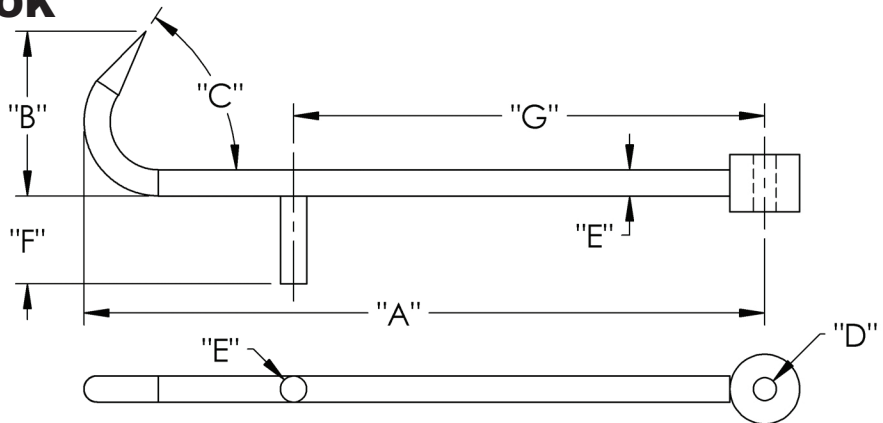
## TONGUE HOOK



Standard Tongue Hook							
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"	Hook Size "F"
1125933	TONGUE HOOK	11 7/8"	2 3/16"	65 DEG	1/2" DIA	1/2" DIA	1/4" DIA

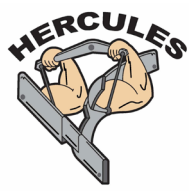
Custom Tongue Hook							
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"	Hook Size "F"
CALL	TONGUE ZHOOK						

## PAUNCH HOOK



Standard Paunch Hook								
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"	Peg Length "F"	Peg Offset "G"
1122134	PAUNCH HOOK	9 3/4"	2 3/8"	56 DEG	5/16" DIA	3/8" DIA	1 1/4"	6 3/4"

Custom Paunch Hook								
Part Number	Description	Height "A"	Width "B"	Angle "C"	Inner Diameter "D"	Hook Size "E"	Peg Length "F"	Peg Offset "G"
CALL	PAUNCH HOOK							

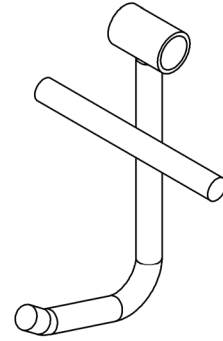
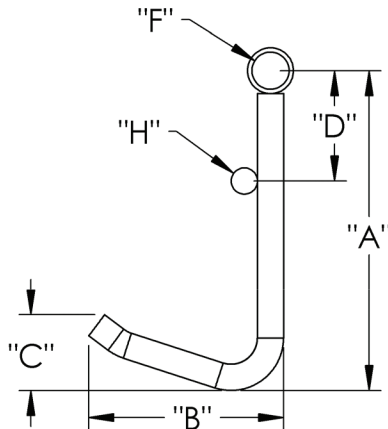
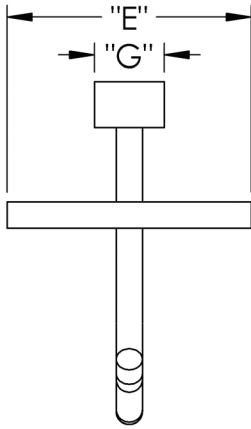


**Sample Of Existing Hook Required To Order Custom Hooks**



# HERCULES®

## TROLLEY HOOK WITH TRIP BAR



HOOKS

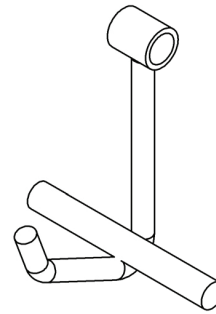
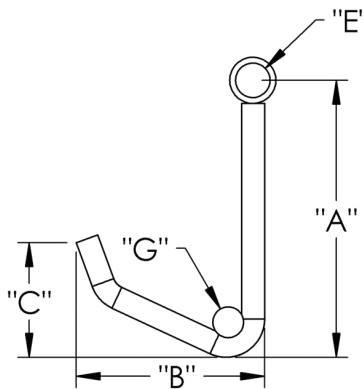
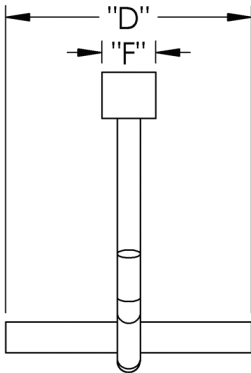
### Standard Trolley Hook With Trip Bar

Part Number	Description	Height "A"	Width "B"	Hook Height "C"	Bar Height "D"	Bar Length "E"	Hole I.D. "F"	Top Length "G"	Hook Size "H"
1125933	TROLLEY HOOK	11 7/8"	2 13/16"	1 1/16"	1 9/16"	3 1/2"	9/16" DIA	1"	3/8" DIA

### Custom Trolley Hook With Trip Bar

Part Number	Description	Height "A"	Width "B"	Hook Height "C"	Bar Height "D"	Bar Length "E"	Hole I.D. "F"	Top Length "G"	Hook Size "H"
CALL	TROLLEY HOOK								

## TROLLEY RETURN HOOK



### Standard Trolley Return Hook

Part Number	Description	Height "A"	Width "B"	Hook Height "C"	Bar Length "D"	Hook Size "E"	Top Length "F"	Hook Size "G"
1117523	TROLLEY RETURN HOOK	4 1/2"	3 1/16"	1 7/8"	4"	9/16" DIA	7/8"	1/2" DIA

### Custom Trolley Return Hook

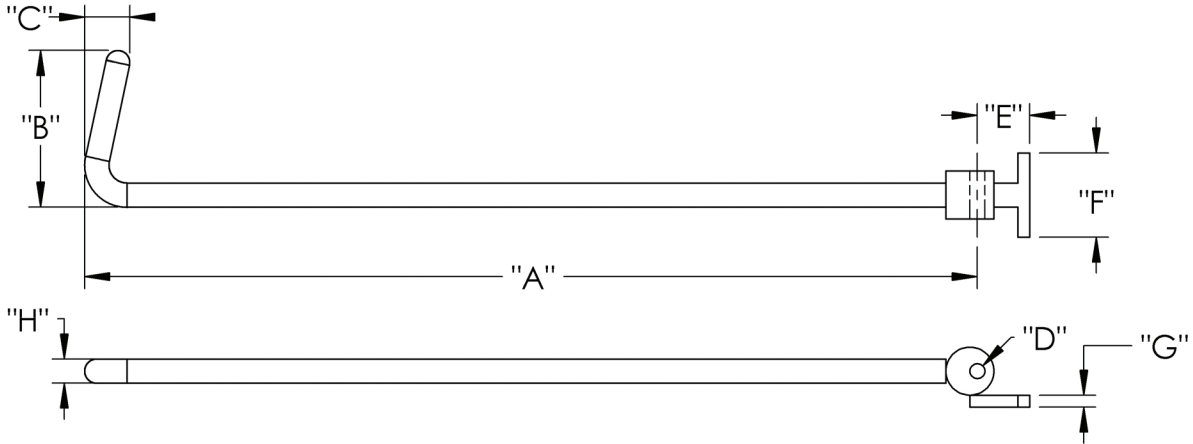
Part Number	Description	Height "A"	Width "B"	Hook Height "C"	Bar Length "D"	Hook Size "E"	Top Length "F"	Hook Size "G"
CALL	TROLLEY RETURN HOOK							

Sample Of Existing Hook Required To Order Custom Hooks



# HERCULES®

## HEAD HOOK



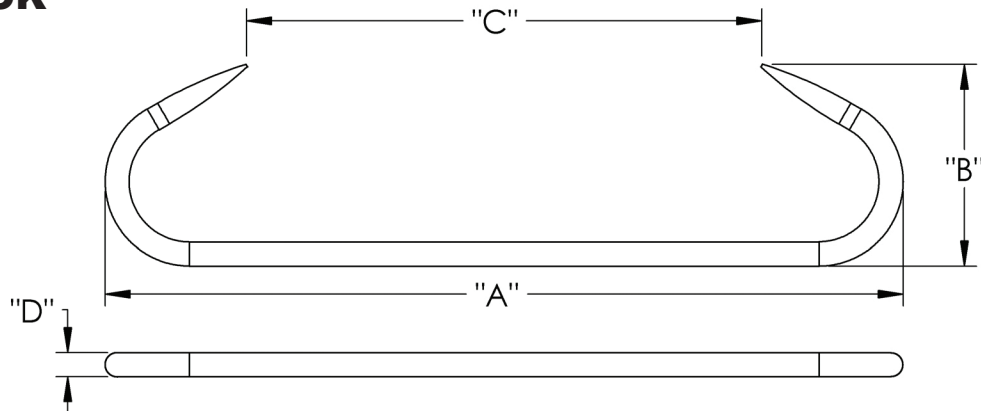
### Standard Trip Hook

Part Number	Description	Height "A"	Width "B"	Hook Offset "C"	Hole I.D. "D"	T Height "E"	T Width "F"	T Thickness "G"	Hook Size "H"
1118970	HEAD HOOK	11 7/8"	2 13/16"	1 1/16"	5/16" DIA	1 1/8"	9/16" DIA	1/4"	1/2" DIA

### Custom Trip Hook

Part Number	Description	Height "A"	Width "B"	Hook Offset "C"	Hole I.D. "D"	T Height "E"	T Width "F"	T Thickness "G"	Hook Size "H"
CALL	HEAD HOOK								

## BELLY HOOK

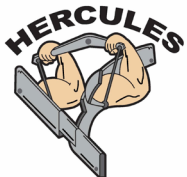


### Standard Belly Hook

Part Number	Description	Height "A"	Width "B"	Hook Opening "C"	Hook Size "D"
1120357	BELLY HOOK	8 5/16"	2 1/8"	5 3/8"	1/4" DIA

### Custom Belly Hook

Part Number	Description	Height "A"	Width "B"	Hook Opening "C"	Hook Size "D"
CALL	BELLY HOOK				



### Sample Of Existing Hook Required To Order Custom Hooks

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 PHONE: 1-877-873-5858 FAX: 1-712-224-5604

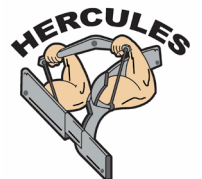
# HERCULES<sup>®</sup>

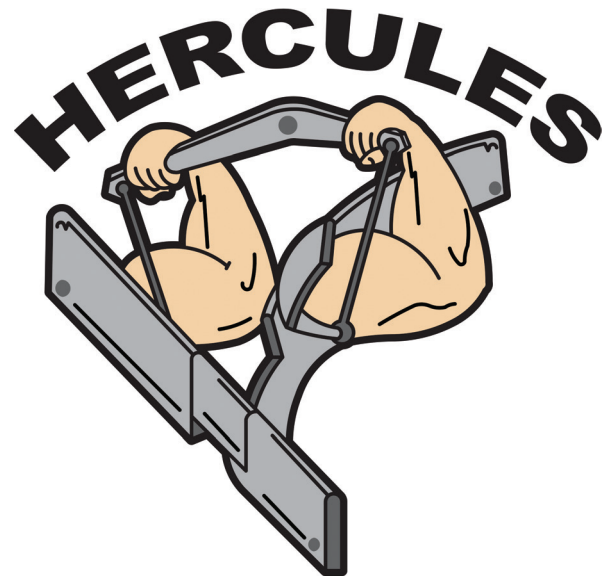
## NOTES

HOOKS

64-H

MANUFACTURED BY:  .COM  
PHONE: 1-877-873-5858 FAX: 1-712-224-5604

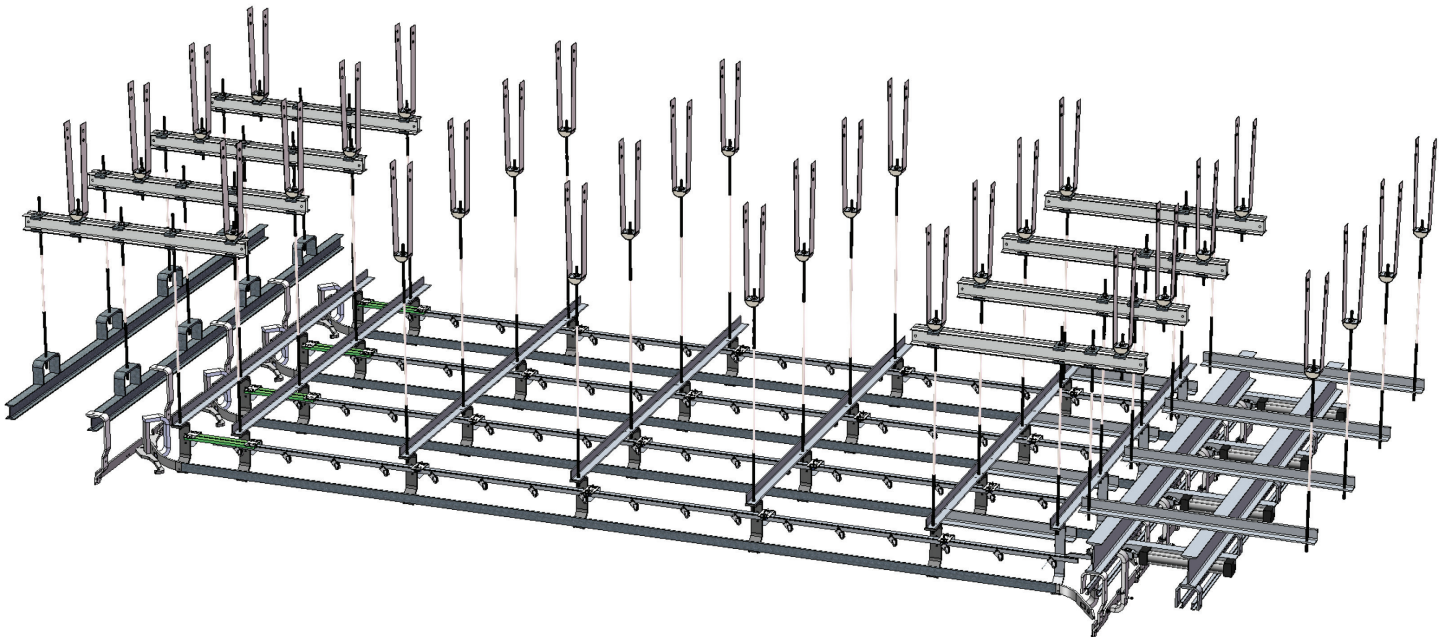




## WALKING BEAM SECTION

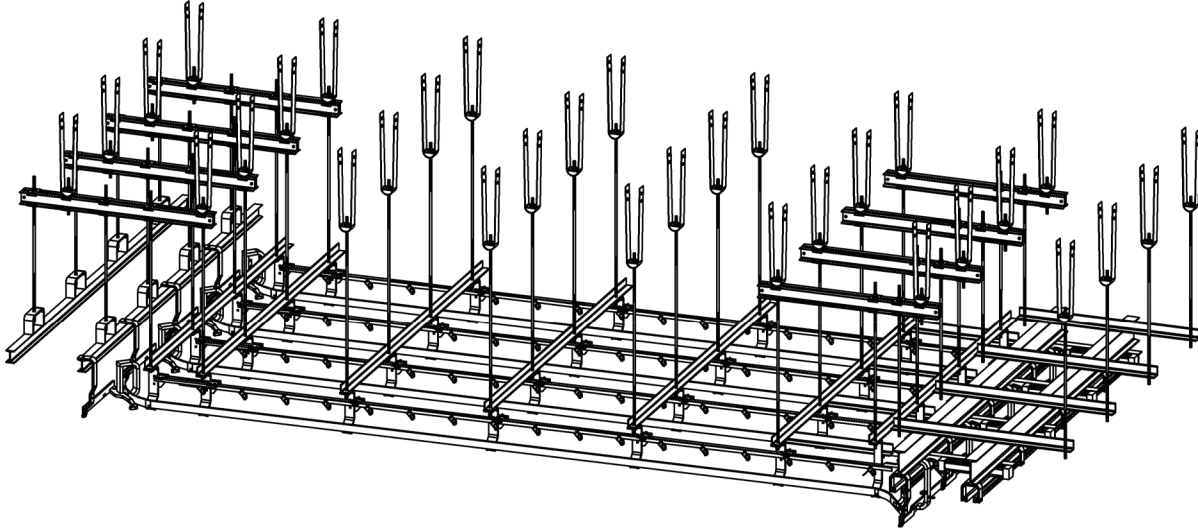
The HERCULES Walking Beam System is designed to speed up your rail load/unload time while still keeping your products evenly spaced, and not over loaded on a storage rail.

Table Of Contents	
WALKING BEAM SYSTEM INFORMATION	66-WB
WALKING BEAM PUSHER DOG ASSEMBLY	67-WB
WALKING BEAM GUIDE BRACKETS AND PARTS	68-WB



# HERCULES®

## WALKING BEAM SYSTEM INFORMATION



### IDFI OFFERS BOTH BEAM STYLE, AND BEAMLESS STYLE WALKING BEAM SYSTEMS

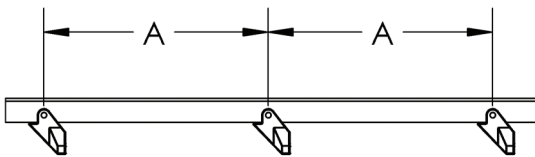
Walking Beam Systems provide many benefits for both employers, and employees. The major benefits for both come from the Walking Beam Systems ability to load, and space product on a storage rail it's self. With the use of a divert switch, a cylinder with the appropriate stroke, a limit switch, and a pusher dog assy the system is able to function on its own. When the system is activated it will open the gate on the divert switch to allow trolleys to come onto the rail. Then using the pusher dog assembly attached to the cylinder the system will pull the trolleys up the the rail moving each trolley up to the next section of pusher dogs with each complete stroke from the cylinder. Once the first trolley that came on the rail activates a limit switch located at the outfeed end of the rail, the limit switch will close the divert gate, and stop the cylinder while activating the

next rail in the sytem. Once it is time to unload the rail the system activates, pushing the trolleys off the rail through a feedout switch, and on to the main rail. Once the limit switch counts the last trolley leaving the system, it will shut down and activate the next rail.

These unique features of a Walking Beam System benefit you in the way of less risk of an employee injuring themselves while pushing the product onto, and up the rail for storage. While also taking the risk of injury away when unloading the rail. The system will also save you the time that it takes someone to load the rail making it possible for them to be doing other jobs. While also spacing the product out evenly allowing it to breath, and keep better while in storage. So contact IDFI at (712) 224-5600 for your Walking Beam System.

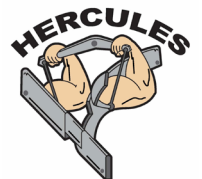
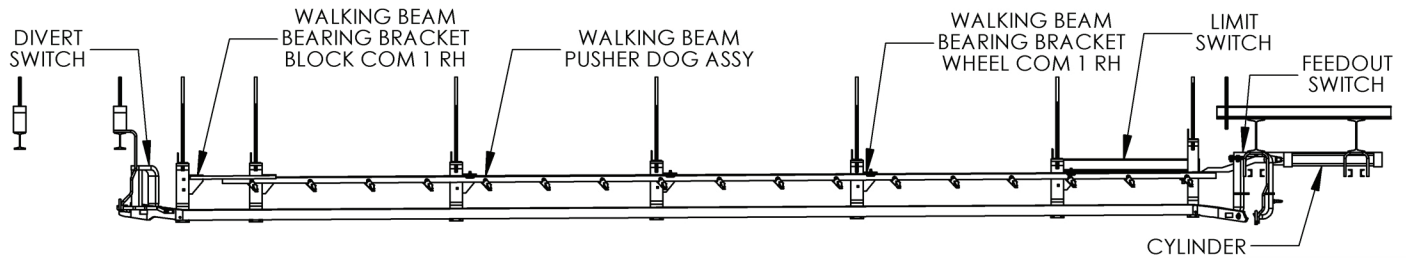
WALKING BEAM

### WALKING BEAM STANDARD PUSHER DOG DIMENSIONS



STANDARD PUSHER DOG SPACING AND STROKE		
Description	Pusher Dog Spacing "A"	Stroke
BEEF	14"	18"
HOG	9"	13"

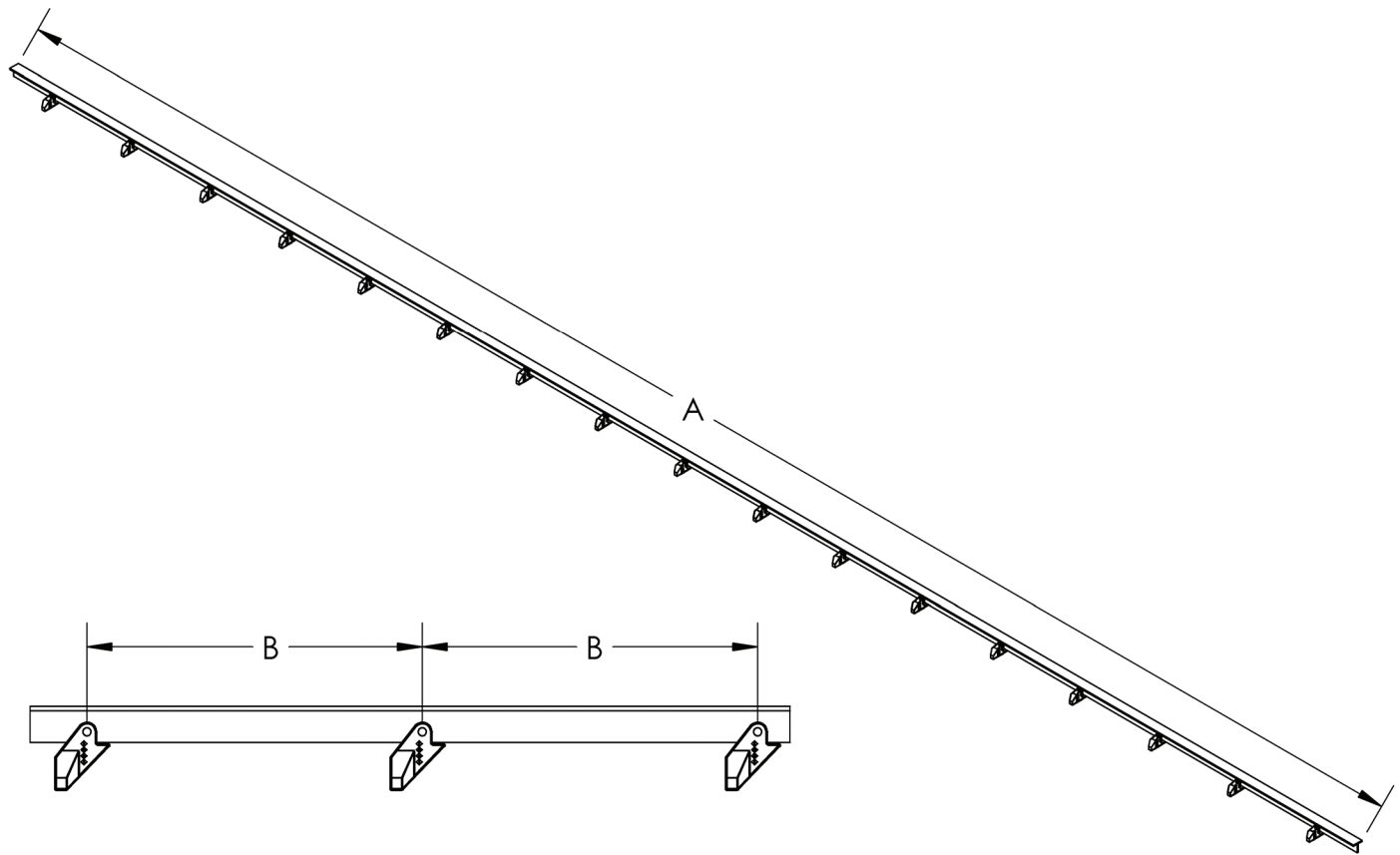
### WALKING BEAM STANDARD PUSHER DOG DIMENSIONS





# HERCULES<sup>®</sup>

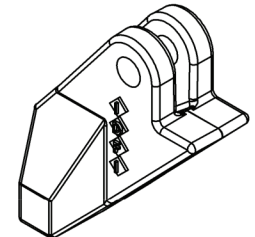
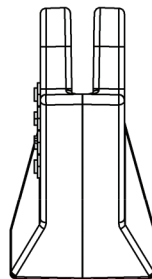
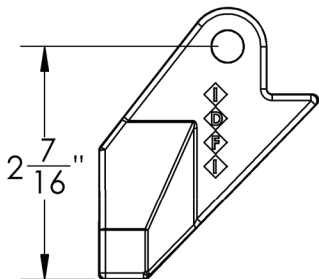
## WALKING BEAM PUSHER DOG ASSEMBLY



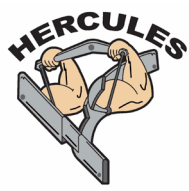
WALKING BEAM

Description	Walking Beam Finger Assembly Length "A"	Pusher Dog Spacing "B"
WALKING BEAM FINGER ASSEMBLY - BEEF	238"	14"
WALKING BEAM FINGER ASSEMBLY - HOG	234"	9"
CUSTOM WALKING BEAM ASSEMBLY		

### WALKING BEAM PUSHER DOG Part Number: 1129290



Description	Pusher Dogs Per A Standard Assembly
WALKING BEAM FINGER ASSEMBLY - BEEF	17
WALKING BEAM FINGER ASSEMBLY - HOG	26

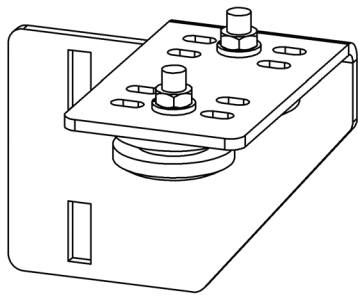


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WB-67

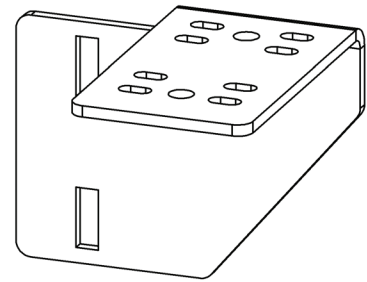
# HERCULES<sup>®</sup>

## WALKING BEAM GUIDE BRACKETS AND PARTS



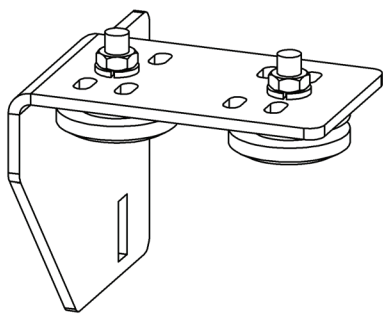
**RIGHT BEARING BRACKET WHEEL ASSEMBLY**

Part Number: 1112382



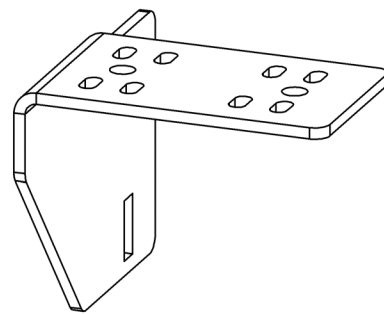
**RIGHT BEARING BRACKET**

Part Number: 1115162



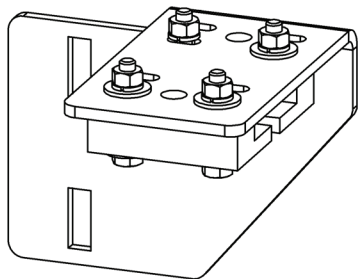
**LEFT BEARING BRACKET WHEEL ASSEMBLY**

Part Number: 1119077



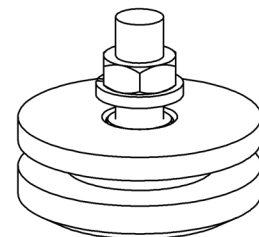
**LEFT BEARING BRACKET**

Part Number: 1123682



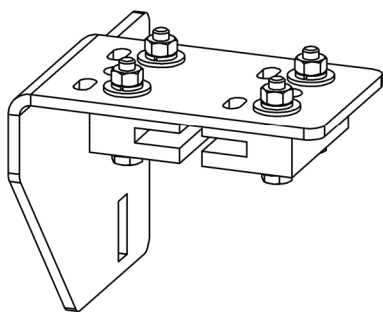
**RIGHT BEARING BRACKET BLOCK ASSEMBLY**

Part Number: 1122092



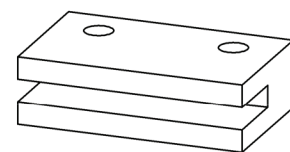
**WALKING BEAM BEARING BRACKET WHEEL  
COMPLETE UNIT**

Part Number: 1123075



**LEFT BEARING BRACKET BLOCK ASSEMBLY**

Part Number: 1115873



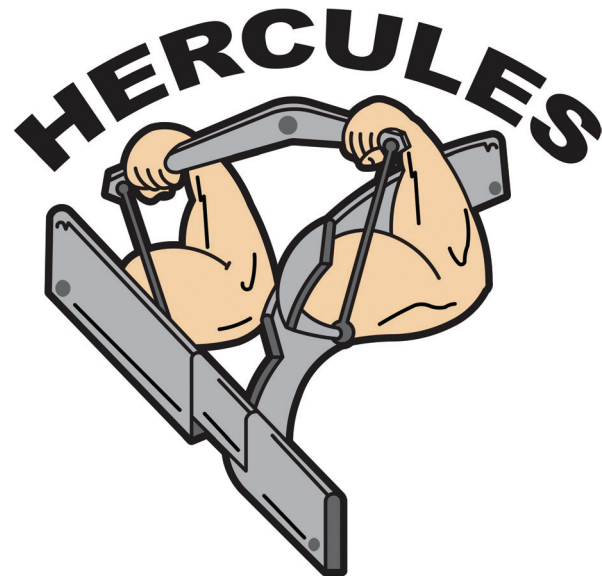
**WALKING BEAM BEARING BLOCK**

Part Number: 1127341

**WALKING BEAM BEARING BLOCK  
AVAILABLE BY THE FOOT**



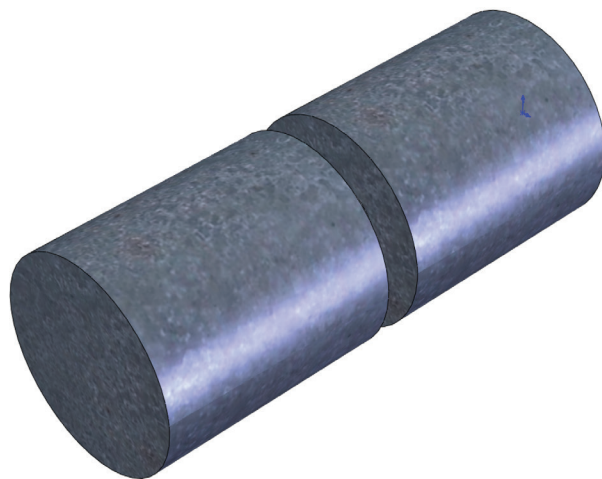
WALKING BEAM



## SHEAR PINS SECTION

The HERCULES made shear pin is ideal for use in your overhead system. It is designed to shear at a neck point at a predetermined load to protect your equipment from overloads. For different systems, the shear pin is offered in different load increments so you'll be able to find the best fit for your system.

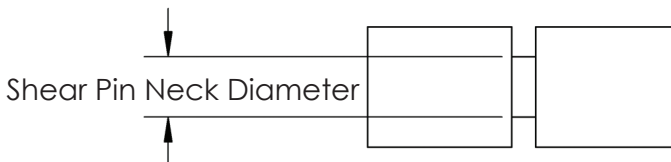
Table Of Contents	
SHEAR PINS FOR MARTIN HUBS	70-SH
SHEAR PINS FOR BROWNING HUBS	71-SH



# HERCULES<sup>®</sup>

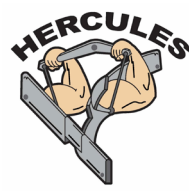
## SHEAR PINS FOR MARTIN HUBS

Shear Pins are designed to shear (break) in case of a mechanical overload on your system, preventing other, more expensive equipment from being damaged during the overload. As a mechanical sacrificial part, it is vital to the safety of your workers and overhead chain system.



Shear Pin Neck Diameter (Inches)	TORQUE RATING-POUND INCHES														
	SHEAR PIN HUB NUMBER														
	SP17	SP18	SP19	SP20	SP21	SP22	SP23	SP24	SP25	SP26	SP27	SP28	SP29	SP30	SP31
3/32"	728	875	1022	1204	1323	1556	1603								
1/8"	1248	1500	1752	2064	2268	2616	2748								
5/32"	1976	2375	2774	3268	3591	4142	4351	4750							
3/16"	2808	3375	3942	4944	5103	5886	6183	6750	7317						
7/32"	3848	4625	5402	6364	6993	8066	8473	9250	10027						
1/4"	5200	6250	7300	8600	9450	10900	11450	12500	13550	15200	17300	18400			
9/32"			9052	10664	11718	13516	14198	15500	16802	18848	21452	22816			
5/16"			11096	13072	14364	16568	17403	19000	20596	23140	26296	27968	30932		
11/32"				15824	17388	20056	21068	23000	24932	27968	31832	33856	37440		
3/8"				18920	20790	23980	25190	27500	29810	33440	38060	40480	44770	51040	
13/32"					24570	28340	29170	32500	35230	39520	44980	47840	52910	60320	
7/16"					28350	32700	34350	37500	41650	45600	51900	55200	61050	69600	
15/32"						37060	38930	42500	46070	51680	58820	62560	69190	78880	
1/2"						42728	44884	49000	53116	59584	67816	72128	79772	90944	
17/32"								55000	59620	66880	76120	80960	89540	102080	
9/16"								62000	67280	75392	85808	91264	100936	115072	
19/32"									73220	82080	93420	99360	109890	125280	136890
5/8"									82800	92720	105530	112240	124135	141520	154635
21/32"										103360	117640	126120	138380	157760	172380
11/16"										112480	128020	136160	150590	171680	187590
23/32"											138400	147200	162800	185600	202800
3/4"											152240	161920	179080	204160	223080
25/32"													195360	222720	243360
13/16"													211640	241280	263640
27/32"													227920	259840	283920
7/8"													244200	278400	304200
29/32"														296960	324480
15/16"														301600	329550
31/32"														338720	370110
1"														371200	405600
1 1/16"															446160
1 1/8"															507000

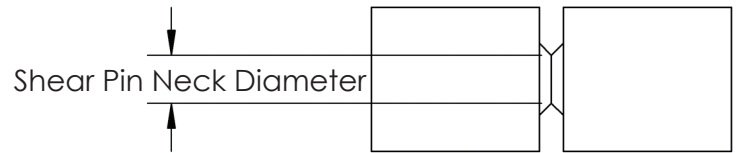
SHEAR PINS



# HERCULES®

## SHEAR PINS FOR BROWNING HUBS

Shear Pins are designed to shear (break) in case of a mechanical overload on your system, preventing other, more expensive equipment from being damaged during the overload. As a mechanical sacrificial part, it is vital to the safety of your workers and overhead chain system.



Shear Pin Neck Diameter (Inches)	TORQUE RATING-POUND INCHES						
	SHEAR PIN HUB NUMBER						
	SHH1	SHP1	SHQ1	SHR1	SHR2	SHS2	SHU2
3/32"	930	1340					
1/8"	1660	2390					
5/32"	2590	3740					
3/16"	3730	5380	7140	9310			
7/32"		7330	9720	12690			
1/4"		9570	12700	16570			
9/32"		12100	16060	20950			
5/16"		14950	19840	25880			
11/32"			24010	31320			
3/8"			28590	37290			
13/32"			33530	43740			
7/16"			38890	50720			
15/32"					72490	82840	93200
1/2"					82480	94270	106050
17/32"					93110	106410	119710
9/16"					104370	119280	134190
19/32"					116290	132910	149520
5/8"					128850	147260	165670
21/32"					142040	162330	182620
11/16"					155900	178170	200440
23/32"							219070
3/4"							238570
25/32"							258870

**SHEAR PINS**



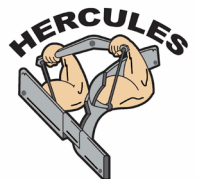
# HERCULES<sup>®</sup>

NOTES

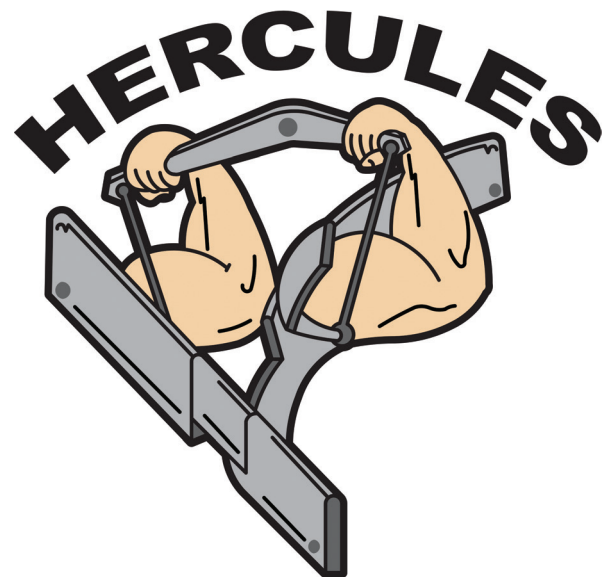
SHEAR PINS

72-SH

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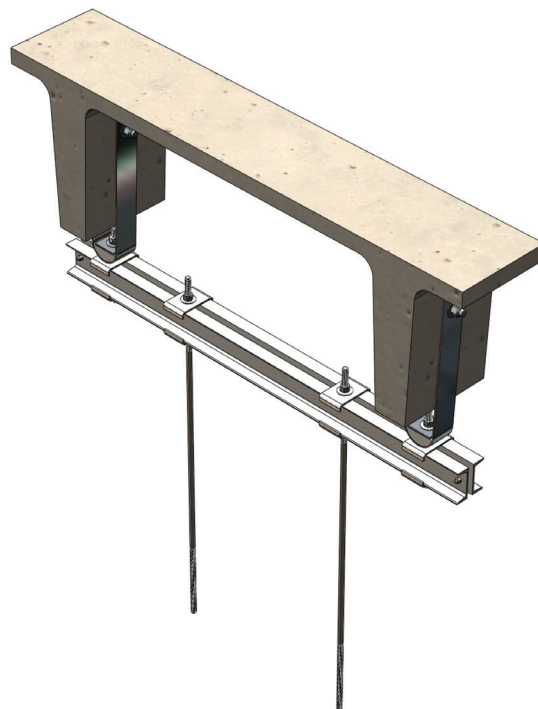




## ENGINEERED OVERHEAD SUPPORT EQUIPMENT SECTION

How you support your overhead system components can affect the safety and even the reliability of your overhead system. But when you choose the HERCULES support products you know you're getting the strength, and reliability that you have come to know with all HERCULES products.

Table Of Contents	
ROUND BOTTOM SS TEE SADDLE DROP ROD COMPLETE UNIT	74-OV
DROP ROD ASSEMBLY INSTRUCTIONS	75-OV
ROUND BOTTOM TEE SADDLE BACK TO BACK COMPLETE UNIT	76-OV
BACK TO BACK ASSEMBLY INSTRUCTIONS	77-OV
ROUND BOTTOM SS TEE SADDLE ORDERING GUIDE	78-OV
FLAT BOTTOM GALVANIZED TEE SADDLE ORDERING GUIDE	79-OV
DROP RODS	80-OV
CHANNEL CLIPS / WELD ON U BRACKE / BEAM CLAMPS	81-OV

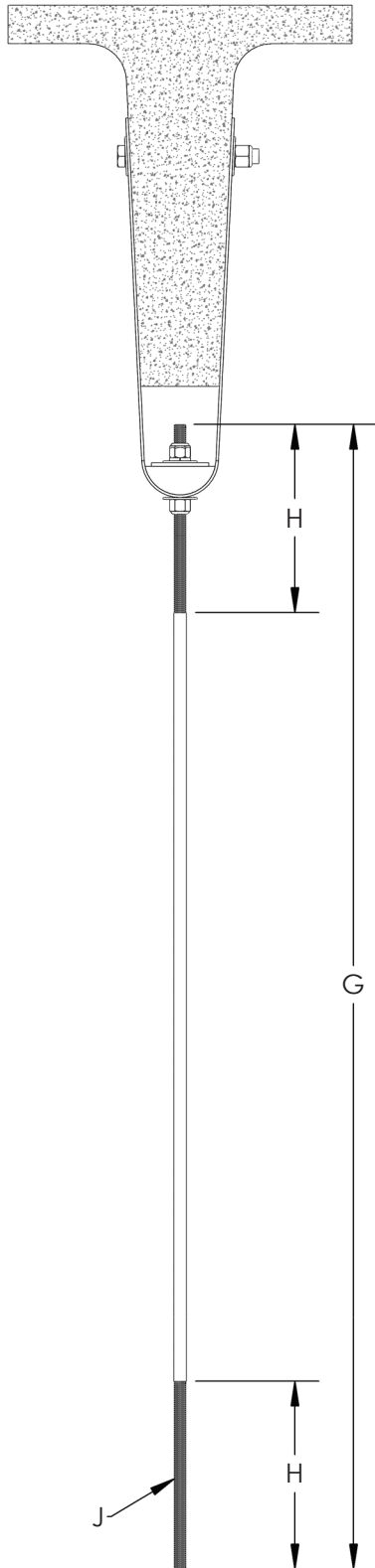


# HERCULES®

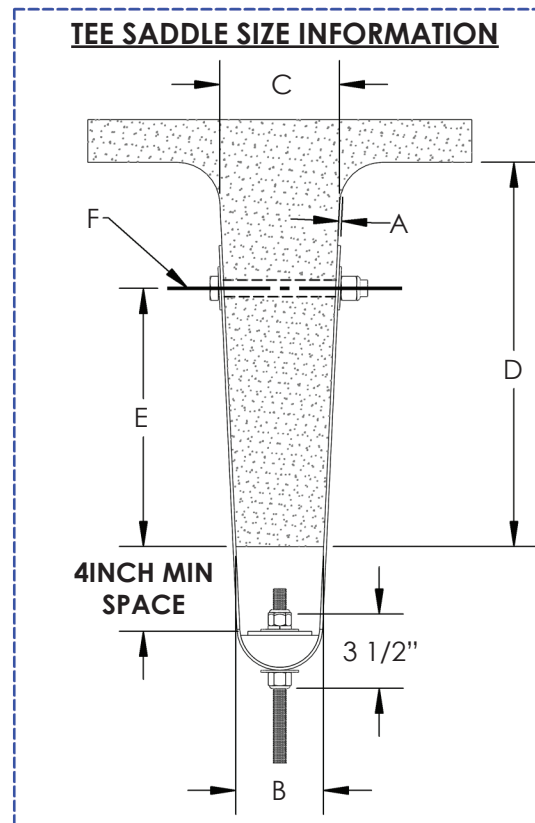
## OVERHEAD SUPPORT EQUIPMENT

### ROUND BOTTOM SS TEE SADDLE DROP COMPLETE UNIT

The HERCULES Round Bottom Tee Saddle Drop Rod Unit comes made to the dimensions you need, letting you hang your project from your Precast Tee Ceiling at the height you want.



Item No.	Description	Size
*A	TEE SADDLE MATERIAL THICKNESS	10GA 7GA
B	PRECAST TEE BOTTOM WIDTH	
C	PRECAST TEE TOP WIDTH	
D	PRECAST TEE HEIGHT	
E	PRECAST TEE BOTTOM TO CENTER OF BOLT HOLE	
F	HOLE MUST BE DRILLED FOR A MIN BOLT SIZE OF 3/4"-16	
G	LENGTH OF DROP ROD (MAX LENGTH OF 20 FEET)	
H	LENGTH OF THREADS (HARDWARE WILL COVER 3 1/2 INCHES OF THREAD)	
J	DROP ROD DIAMETER AND THREAD SIZE (ALL THREADS ON DROP RODS ARE ROLLED THREADS)	
J1	9/16" DIAMETER ROD X 5/8-11 ROLLED THREAD	
J2	1 1/16" DIAMETER ROD X 3/4-10 ROLLED THREAD	



**\*10 GAGE SS ROUND BOTTOM TEE SADDLE ENGINEERED FOR 5,000 LBS. MAX LOAD**

**\*7 GAGE SS ROUND BOTTOM TEE SADDLE ENGINEERED FOR 7,500 LBS. MAX LOAD**

For support bolt information contact or to order yours contact an IDFI sales representative at: (877) 873-5858

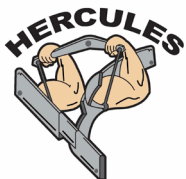
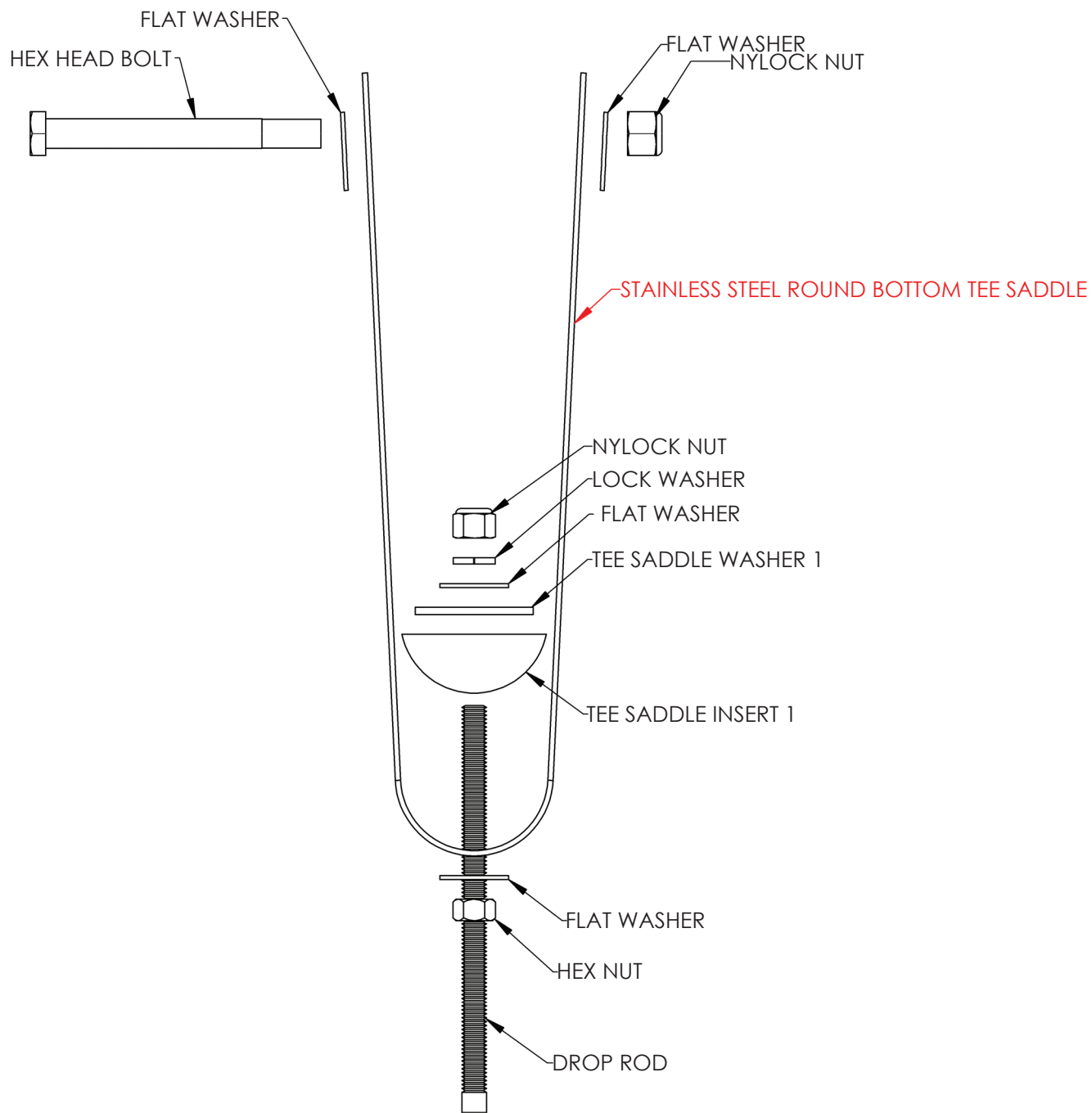
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# HERCULES<sup>®</sup>

## OVERHEAD SUPPORT EQUIPMENT

### DROP ROD ASSEMBLY INSTRUCTIONS

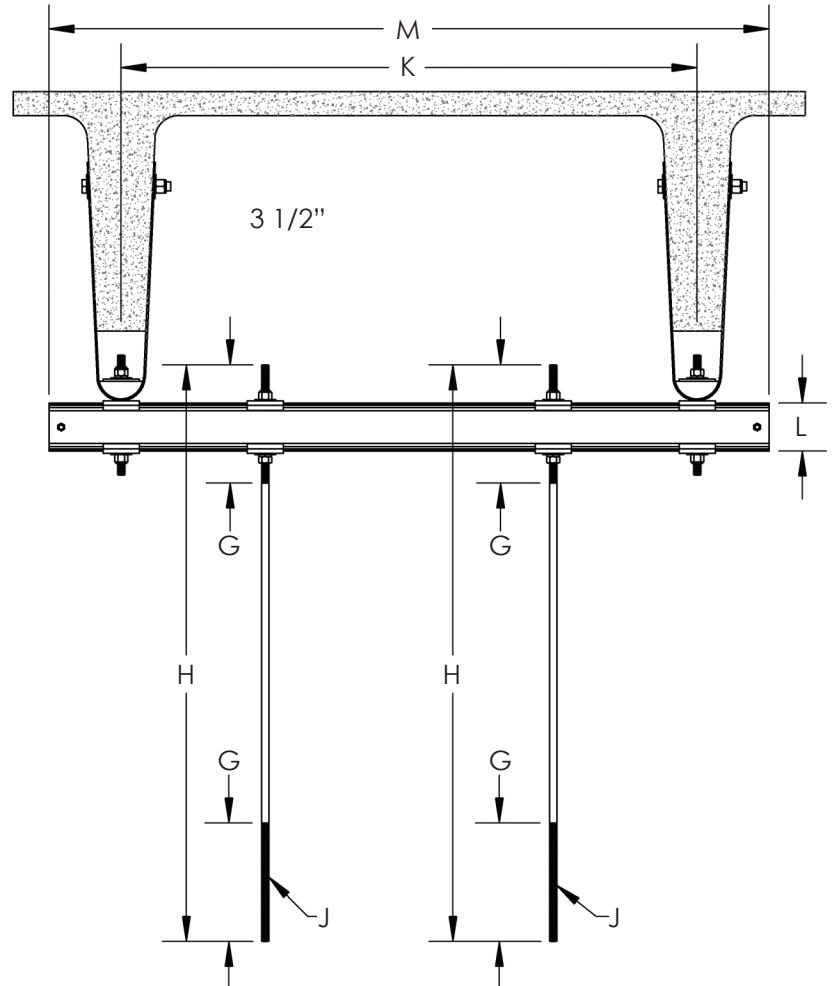
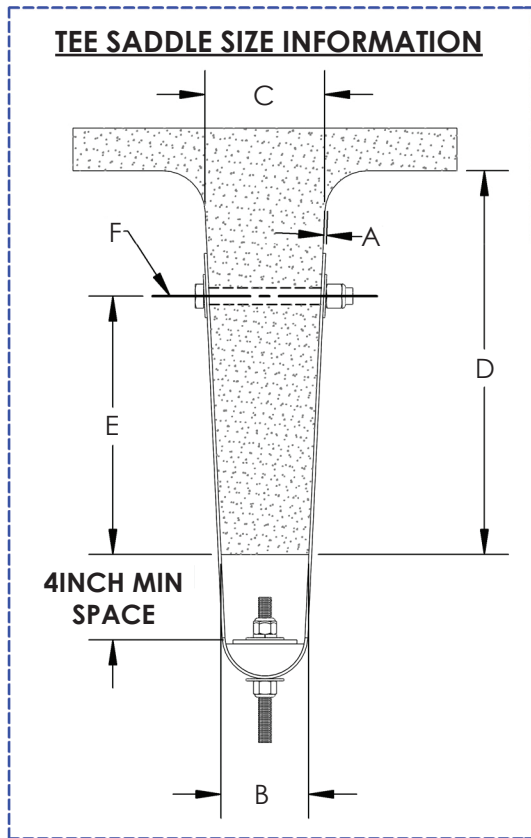


# HERCULES®

## OVERHEAD SUPPORT EQUIPMENT

### ROUND BOTTOM SS TEE SADDLE BACK TO BACK COMPLETE UNIT

The Round Bottom Tee Saddle back to back unit comes made to the dimensions you need. A standard unit will include up to two drop rods to hang from the channel letting you hang your project from your Precast Tee ceiling where you want, and at the height you want.



OVERHEAD

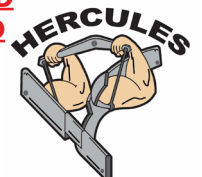
Item No.	Description	Size
A	TEE SADDLE MATERIAL THICKNESS	
B	PRECAST TEE BOTTOM WIDTH	
C	PRECAST TEE TOP WIDTH	
D	PRECAST TEE HEIGHT	
E	PRECAST TEE BOTTOM TO CENTER OF BOLT HOLE	
F	BOLT HOLE SIZE (MINIMUM HOLE SIZE FOR 3/4-10 BOLT)	
G	LENGTH OF DROP ROD (MAX LENGTH OF 20 FEET)	

Item No.	Description	Size
H	LENGTH OF THREADS (HARDWARE WILL COVER 3 1/2 INCHES OF THREAD)	
J	DROP ROD DIAMETER AND THREAD SIZE (ALL THREADS ON DROP RODS ARE ROLLED THREADS)	
JA	9/16" DIAMETER ROD X 5/8-11 ROLLED THREAD	
JB	11/16" DIAMETER ROD X 3/4-10 ROLLED THREAD	
K	PRECAST TEE SPACING	
L	C CHANNEL SIZE	
M	C CHANNEL LENGTH	

**\*10 GAGE SS ROUND BOTTOM TEE SADDLE ENGINEERED FOR 5,000 LBS. MAX LOAD**

**\*7 GAGE SS ROUND BOTTOM TEE SADDLE ENGINEERED FOR 7,500 LBS. MAX LOAD**

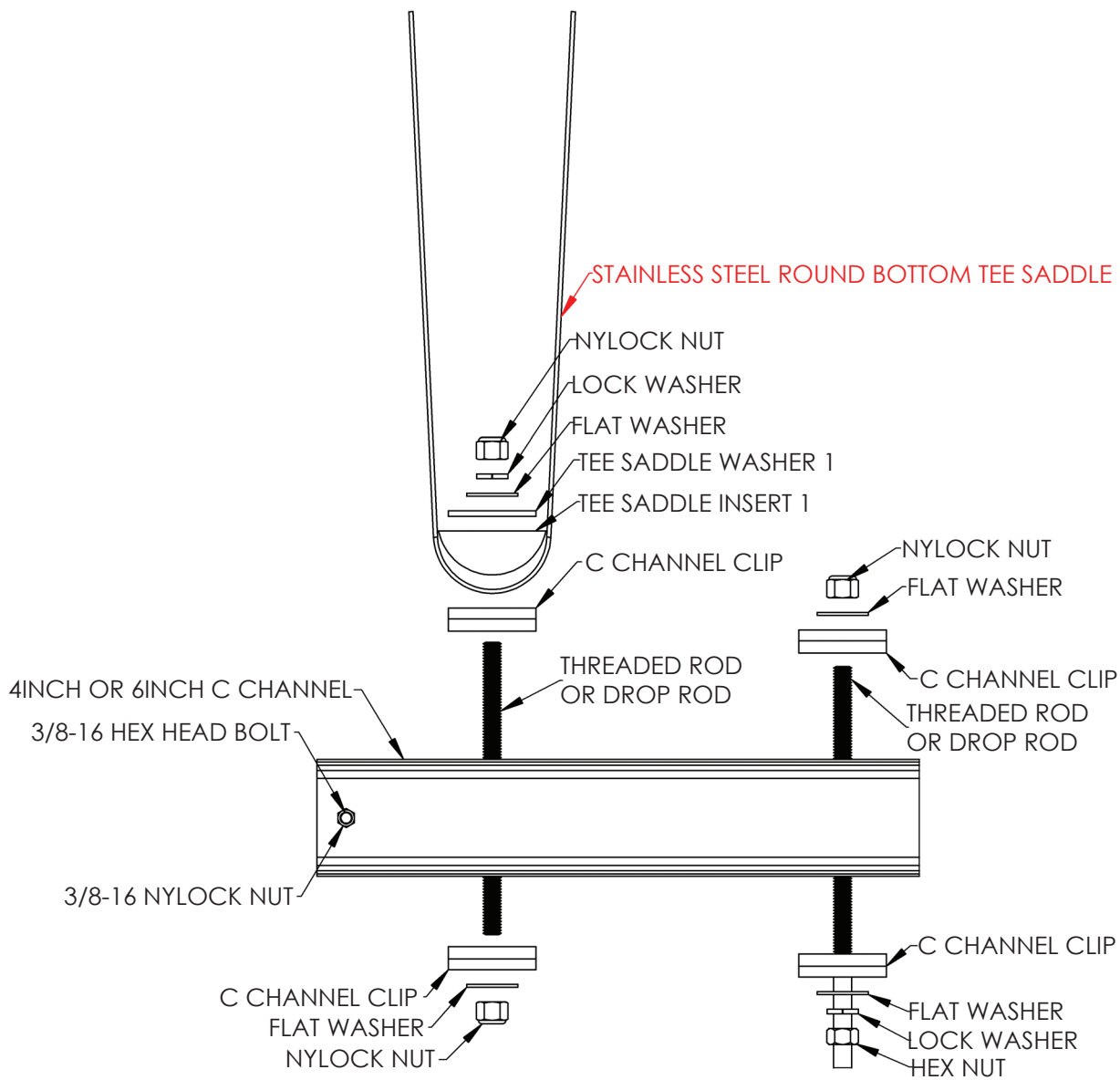
For support bolt information contact or to order yours contact an IDFI sales representative at: (877) 873-5858



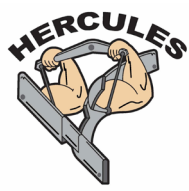
# HERCULES®

## OVERHEAD SUPPORT EQUIPMENT

### BACK TO BACK ASSEMBLY INSTRUCTIONS



OVERHEAD



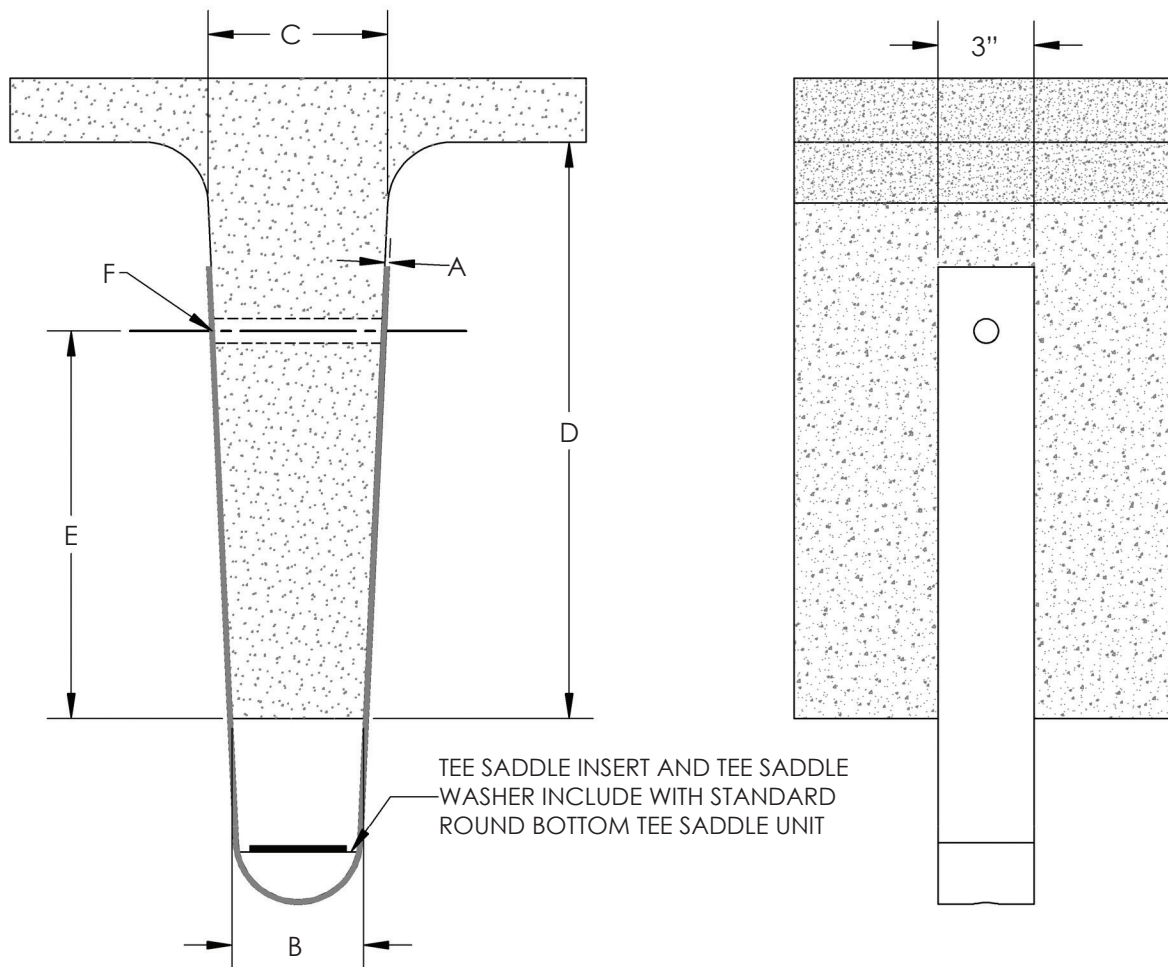
# HERCULES®

## OVERHEAD SUPPORT EQUIPMENT

### ROUND BOTTOM SS TEE SADDLE ORDERING GUIDE

The HERCULES Stainless Steel Round Bottom Tee Saddle is an engineered design with strength equal to that of the flat bottom Tee Saddles. All components in the HERCULES Tee Saddle are made of stainless steel material. When ordering your Tee Saddles you will have two material size options. The first being a 10 gauge Tee Saddle capable of supporting 5,000 pounds. Or a 7 gauge Tee Saddle capable of supporting 7,500 pounds allowing you to hang equipment with the confidence that it is securely hung.

Item No.	Description	Size
*A	TEE SADDLE MATERIAL THICKNESS	10GA 7GA
B	PRECAST TEE BOTTOM WIDTH	
C	PRECAST TEE TOP WIDTH	
D	PRECAST TEE HEIGHT	
E	PRECAST TEE BOTTOM TO CENTER OF BOLT HOLE	
F	BOLT HOLE SIZE (MINIMUM HOLE SIZE FOR 3/4-10 BOLT)	



**\*10 GAGE SS ROUND BOTTOM TEE SADDLE ENGINEERED FOR 5,000 LBS. MAX LOAD**

**\*7 GAGE SS ROUND BOTTOM TEE SADDLE ENGINEERED FOR 7,500 LBS. MAX LOAD**

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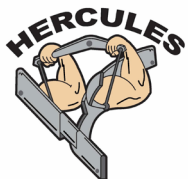
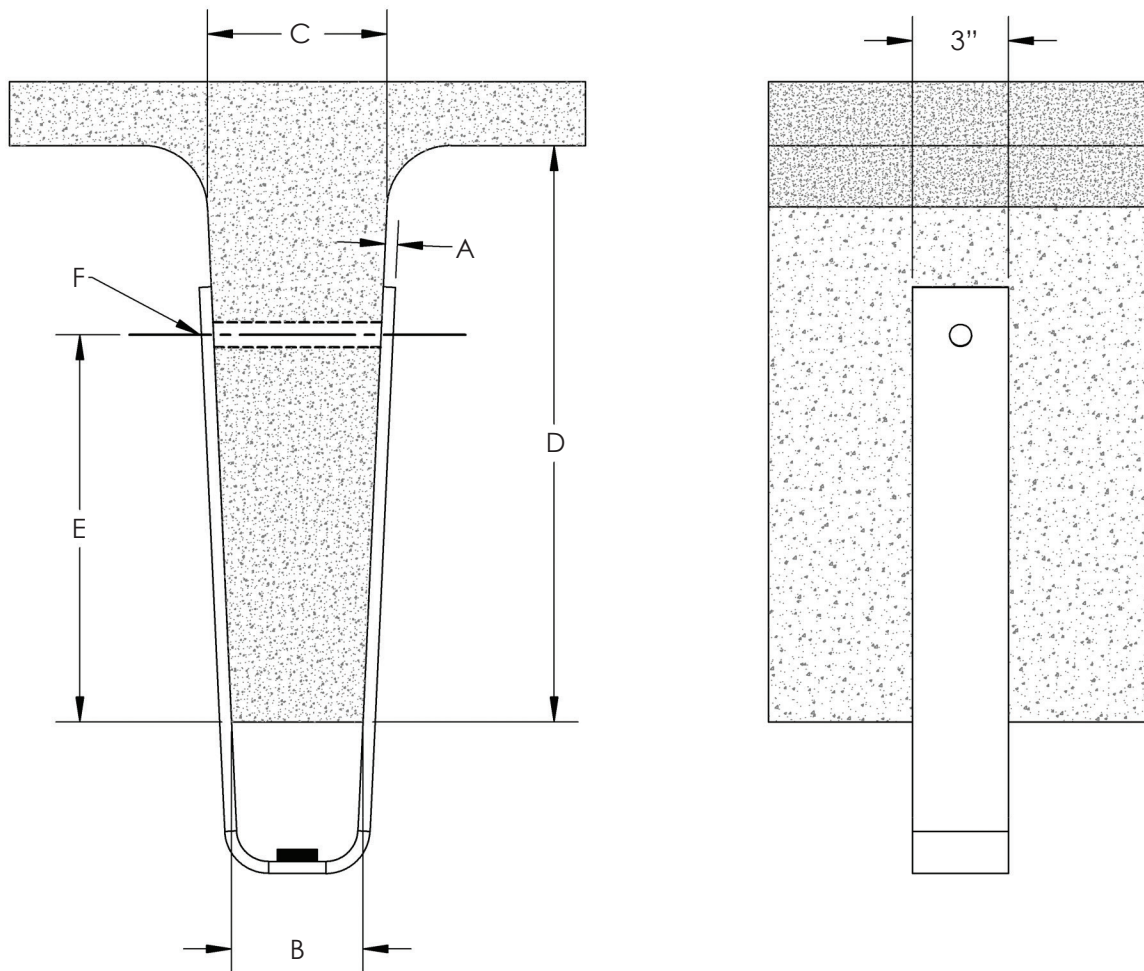
# HERCULES®

## OVERHEAD SUPPORT EQUIPMENT

### FLAT BOTTOM GALVANIZED TEE SADDLE ORDERING GUIDE

The HERCULES Galvanized Flat Bottom Tee Saddle is based on the industry standard flat bottom Tee Saddle, that has proven its strength over the course of time in the industry. The Flat Bottom Tee Saddle is made to your specified dimensions out of 3/8" thick steel. Giving you the confidence that it will have the strength to hold up your equipment and work in your situation.

Item No.	Description	Size
A	TEE SADDLE MATERIAL THICKNESS	3/8"
B	PRECAST TEE BOTTOM WIDTH	
C	PRECAST TEE TOP WIDTH	
D	PRECAST TEE HEIGHT	
E	PRECAST TEE BOTTOM TO CENTER OF BOLT HOLE	
F	BOLT HOLE SIZE (MINIMUM HOLE SIZE FOR 3/4-10 BOLT)	



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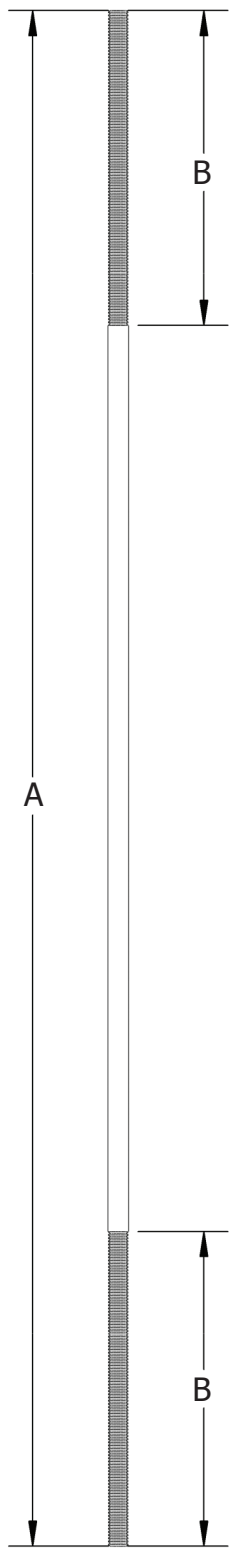
**OVERHEAD**

# HERCULES<sup>®</sup>

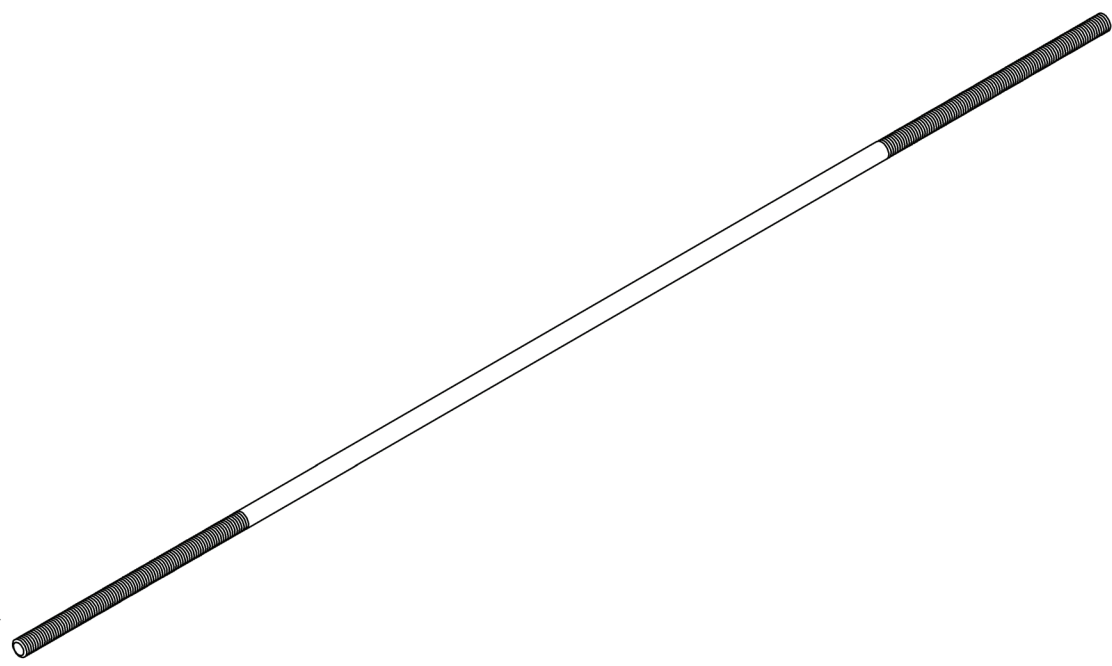
## OVERHEAD SUPPORT EQUIPMENT

### DROP RODS

HERCULES Drop Rods are perfect for use in any overhead project. Offered in two different rolled thread sizes, and two different diameter rods (up to 20' long) you can be confident that the drop rod you need will support your equipment safely, and securely.



Item No.	Description	Overall Length "A"	Overall Length "B"
A	9/16" STAINLESS STEEL DROP ROD WITH 5/8-11 ROLLED THREADS		
B	9/16" STAINLESS STEEL DROP ROD WITH 5/8-11 ROLLED THREADS		

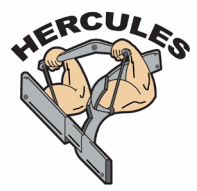


**OVERHEAD**

80-OV

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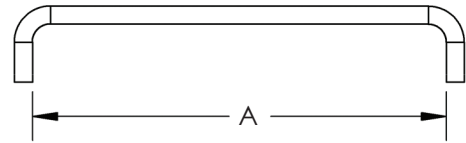
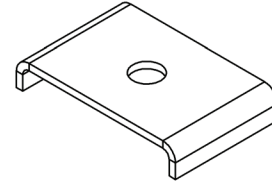


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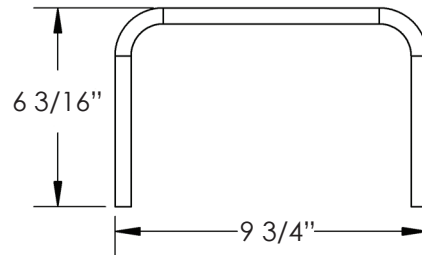
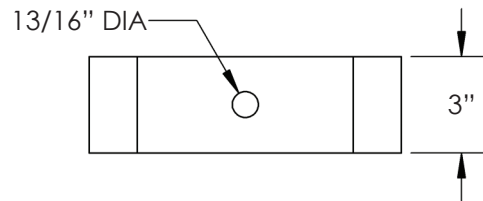
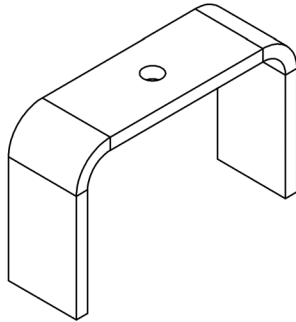
## OVERHEAD SUPPORT EQUIPMENT

### FLAT BOTTOM GALVANIZED TEE SADDLE ORDERING GUIDE

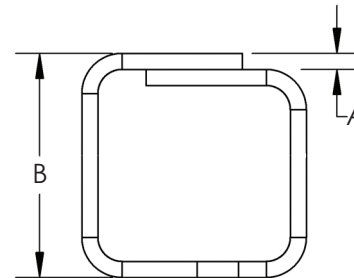
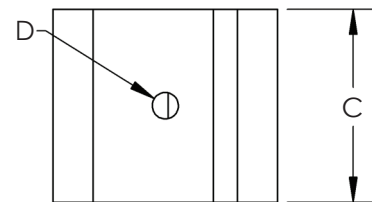
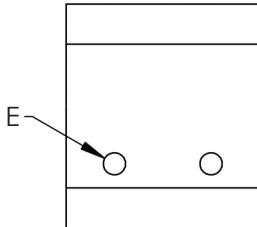
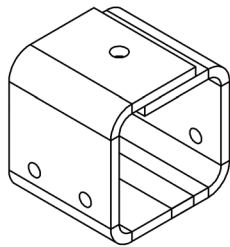
Item No.	Description	I.D. "A"	Part Number
1	4" C CHANNEL CLIP B/B GALV. 4.312" ID	4.312INCH	1123312
2	4" C CHANNEL CLIP B/B SS 4.312" ID	4.312INCH	1123499
3	6" C CHANNEL CLIP B/B GALV. 4.89" ID	4.89INCH	1120340
4	6" C CHANNEL CLIP B/B SS 4.89" ID	4.89INCH	1119036



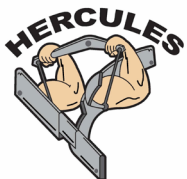
### WELD ON U BRACKET PART NUMBER: 1119436



### BEAM CLAMPS



BEAM SIZE	Material Type	Material Thickness "A"	Clamp Height "B"	Clamp Width "C"	Top Hole Size "D"	Side Hole Size "E"



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OV-81

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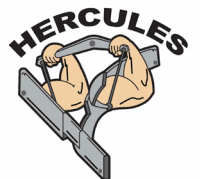
# HERCULES<sup>®</sup>

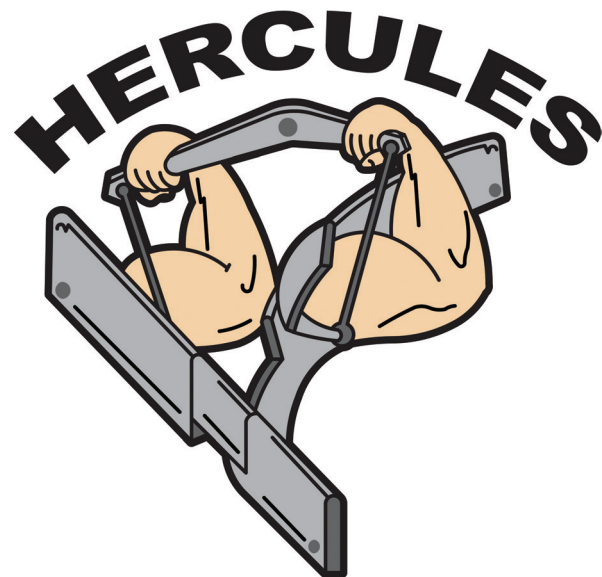
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82-OV

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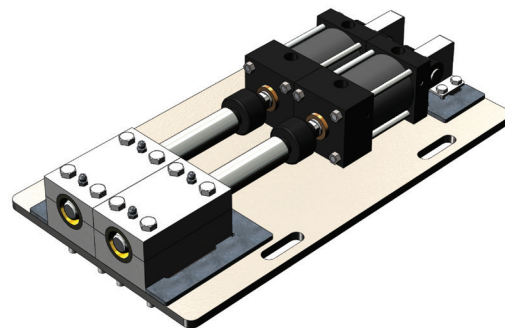
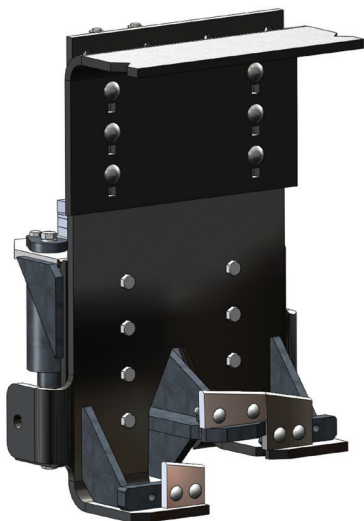




## INDEXERS SECTION

HERCULES Vertical Indexers, and Pin Indexers are designed to take a beating from whatever you throw at it day after day in any environment you may have in your plant while still having the strength to continue to operate as needed.

Table Of Contents	
ROLLER I BEAM VERTICAL INDEXERS RAIL MEASUREMENTS	84-I
ROLLER I BEAM VERTICAL INDEXERS COMPLETE UNITS	85-I
ROLLER I BEAM VERTICAL INDEXERS COMMON PARTS	86-I
SLIDER VERTICAL INDEXERS RAIL MEASUREMENTS	87-I
SLIDER VERTICAL INDEXERS COMPLETE UNITS	88-I
SLIDER VERTICAL INDEXERS COMMON PARTS	89-I
TROLLEY 2 PIN INDEXER / SHACKLE PNEUMATIC AND HYDRAULIC 2 PIN INDEXERS	90-I
TROLLEY 2 PIN INDEXER PARTS	91-I
SHACKLE 2 PIN INDEXER HYDRAULIC PARTS	92-I
SHACKLE 2 PIN INDEXER PNEUMATIC PARTS	93-I

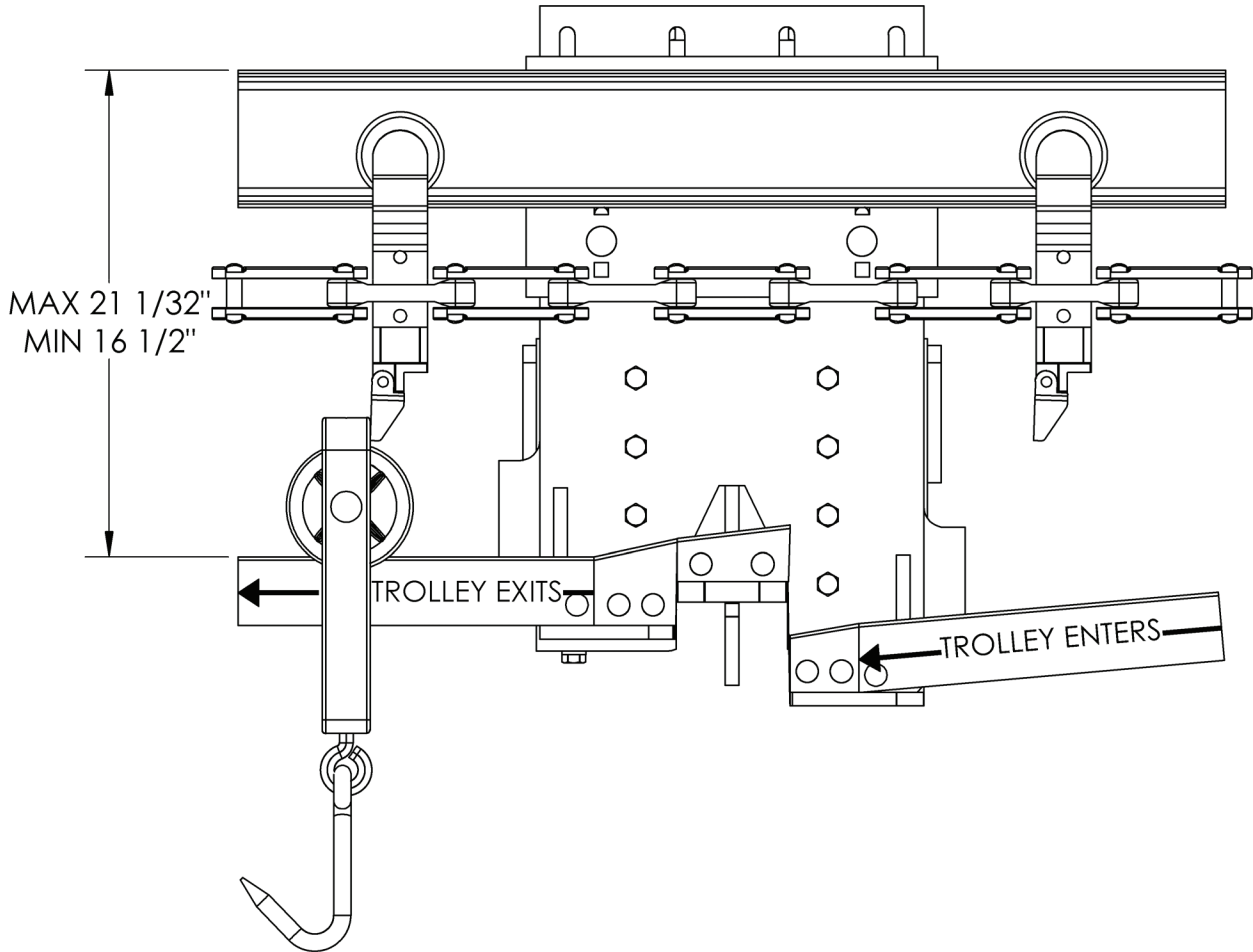


# HERCULES®

## INDEXERS

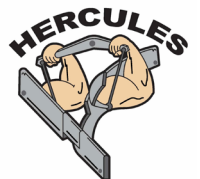
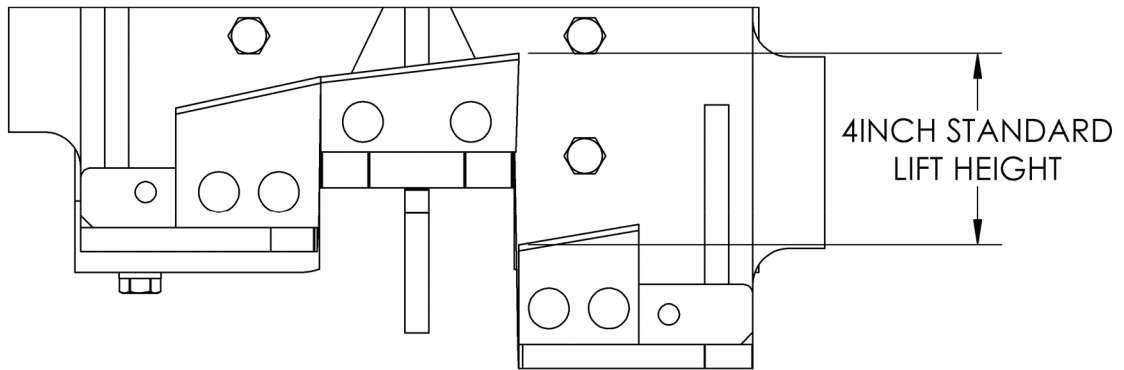
### ROLLER I BEAM VERTICAL INDEXERS RAIL MEASUREMENTS

INDEXERS



UNIT SHOWN IS A RIGHT TO LEFT ROLLER I BEAM VERTICAL LIFT INDEXER

### VERTICAL INDEXER LIFT HEIGHT MEASUREMENT



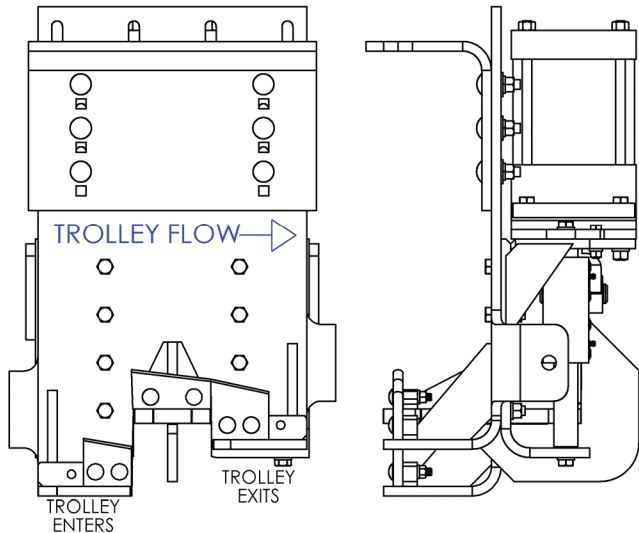


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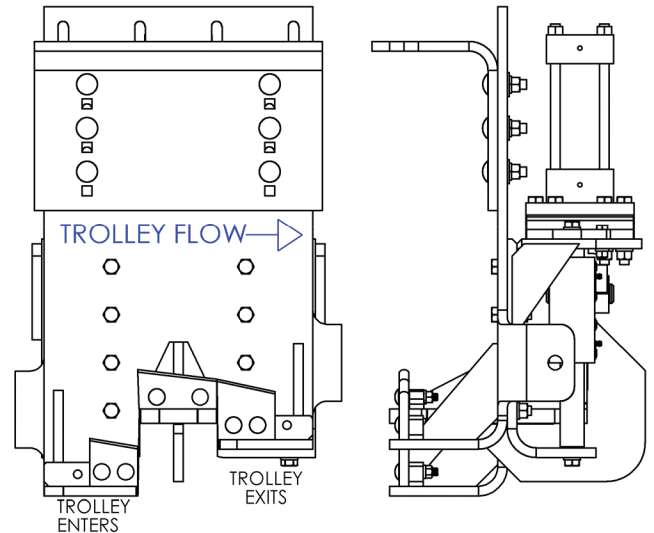
## INDEXERS

### ROLLER I BEAM VERTICAL INDEXER COMPLETE UNITS

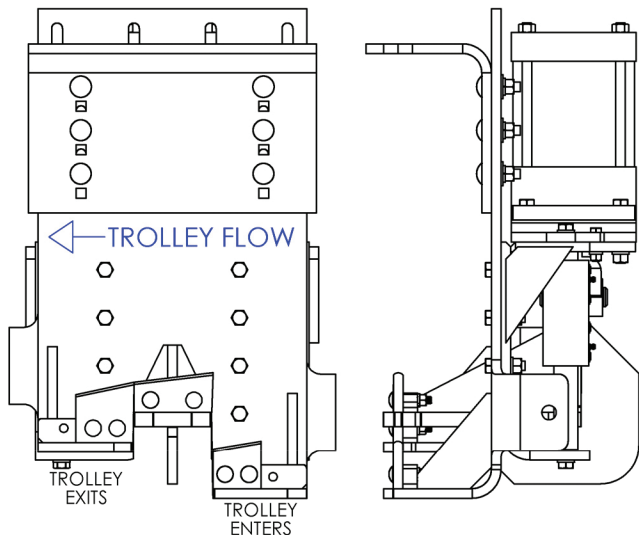
INDEXERS



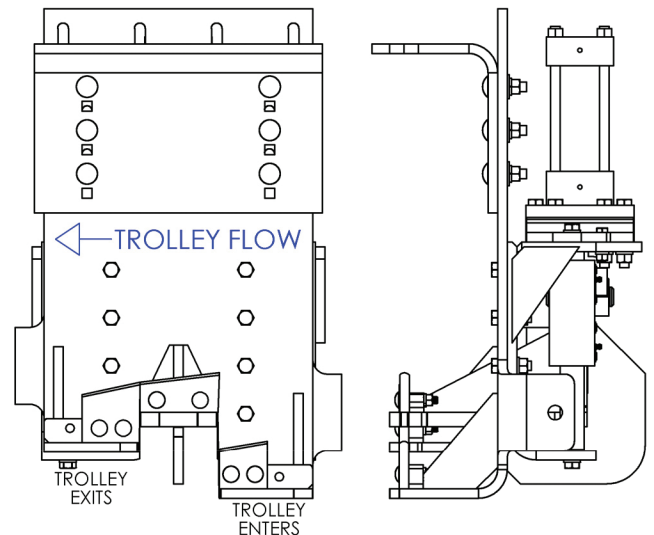
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LEFT TO RIGHT PNEUMATIC COMPLETE UNIT  
**Part Number: 1122562**



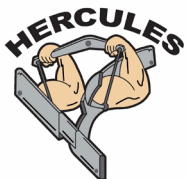
ROLLER I BEAM VERTICAL INDEXER  
LEFT TO RIGHT HYDRAULIC COMPLETE UNIT  
**Part Number: 1121527**



ROLLER I BEAM VERTICAL INDEXER  
RIGHT TO LEFT PNEUMATIC COMPLETE UNIT  
**Part Number: 1117311**



ROLLER I BEAM VERTICAL INDEXER  
RIGHT TO LEFT HYDRAULIC COMPLETE UNIT  
**Part Number: 1117667**



For more information on Vertical Indexers or to order yours today contact an IDFI sales representative at:  
(877) 873-5858

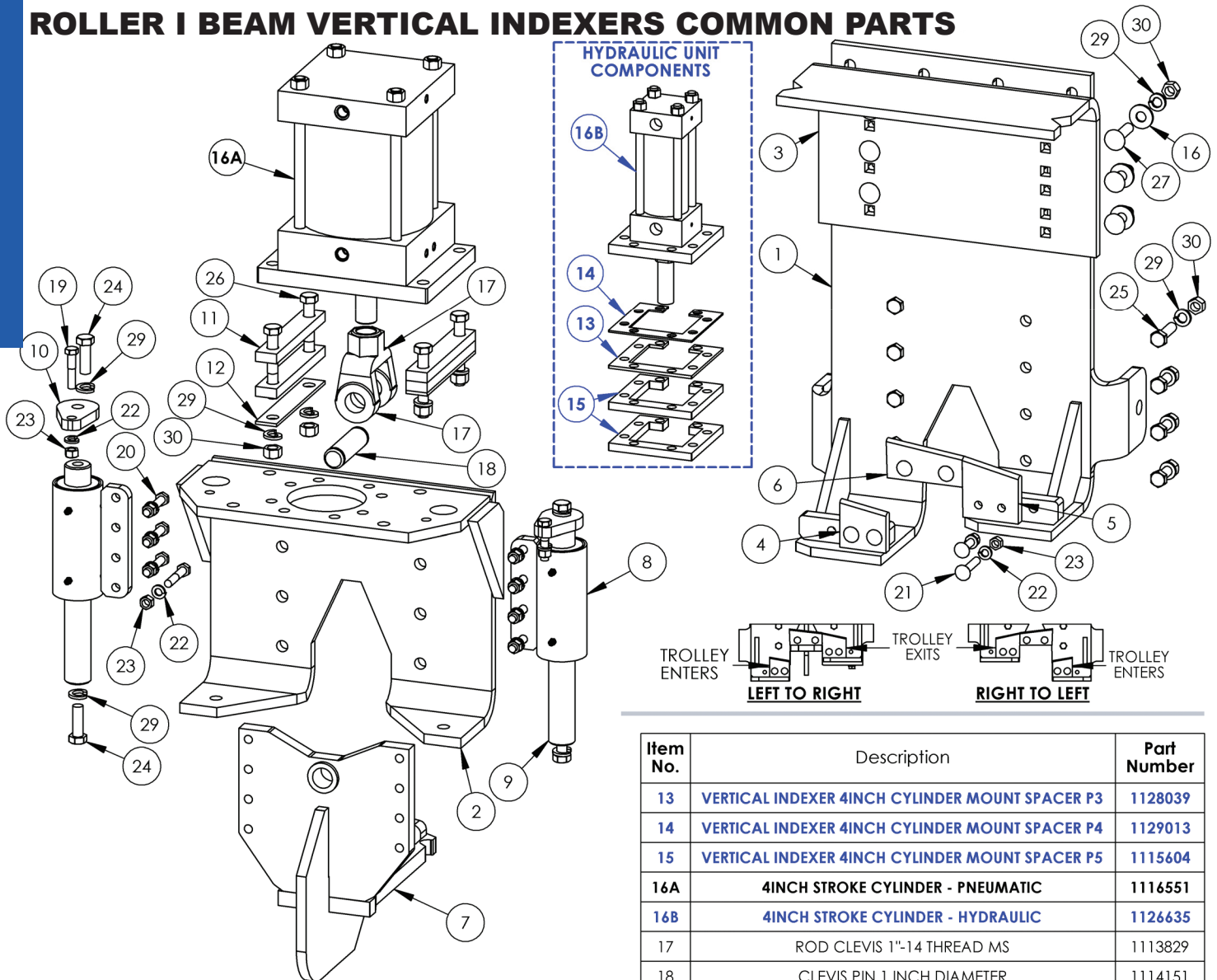
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# HERCULES®

## INDEXERS

### ROLLER I BEAM VERTICAL INDEXERS COMMON PARTS

INDEXERS



**LEFT TO RIGHT ROLLER I BEAM VERTICAL INDEXER SHOWN**

Item No.	Description	Part Number
1	VERTICAL INDEXER 4.0INCH RIB HANGER LR ASSEMBLY	1128679
1	VERTICAL INDEXER 4.0INCH RIB HANGER RL ASSEMBLY	1125750
2	VERTICAL INDEXER 4.0INCH CYLINDER MOUNT FRAME 1	1113099
3	VERTICAL INDEXER 4.0INCH MAIN FRAME P1B	1114292
4	VERTICAL INDEXER INFEED RAIL 1	1116846
5	VERTICAL INDEXER OUTFEED RAIL 1	1124758
6	VERTICAL INDEXER LIFT RAIL 1	1116833
7	VERTICAL INDEXER LIFT ASSY 2	1117742
8	VERTICAL INDEXER GUIDE ASSEMBLY 1	1128890
9	VERTICAL INDEXER GUIDE PIN 1	1116372
10	VERTICAL INDEXER GUIDE PIN BRACKET 1	1123162
11	VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P1	1113780
12	VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P2	1112908

Item No.	Description	Part Number
13	VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P3	1128039
14	VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P4	1129013
15	VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P5	1115604
16A	4INCH STROKE CYLINDER - PNEUMATIC	1116551
16B	4INCH STROKE CYLINDER - HYDRAULIC	1126635
17	ROD CLEVIS 1"-14 THREAD MS	1113829
18	CLEVIS PIN 1 INCH DIAMETER	1114151
19	3/8"-16 X 1 3/4" HEX HEAD BOLT	1114590
20	3/8"-16 X 2" HEX HEAD BOLT	1119912
21	3/8"-16 X 2" ZINC RAIL BOLT	1115191
22	3/8" LOCK WASHER	1112923
23	3/8"-16 HEX NUT	1123918
24	1/2"-13 X 1 1/2" HEX HEAD BOLT	1114890
25	1/2"-13 X 1 3/4" HEX HEAD BOLT	1123666
26	1/2"-13 X 3 1/4" HEX HEAD BOLT	1127455
27	1/2"-13 X 2" CARRIAGE HEAD BOLT	1117150
28	1/2" FLAT WASHER	1125520
29	1/2" LOCK WASHER	1113190
30	1/2"-13 HEX NUT	1122583

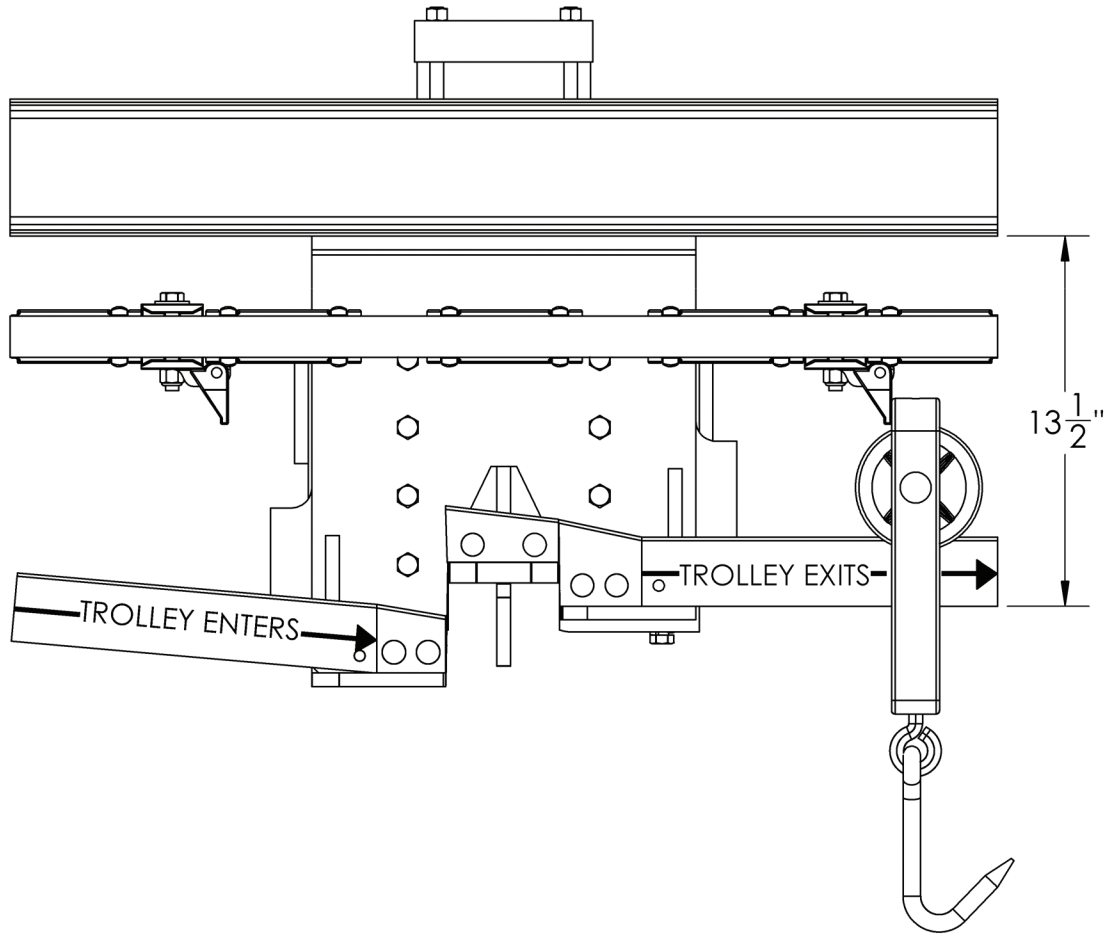


# HERCULES®

## INDEXERS

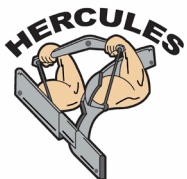
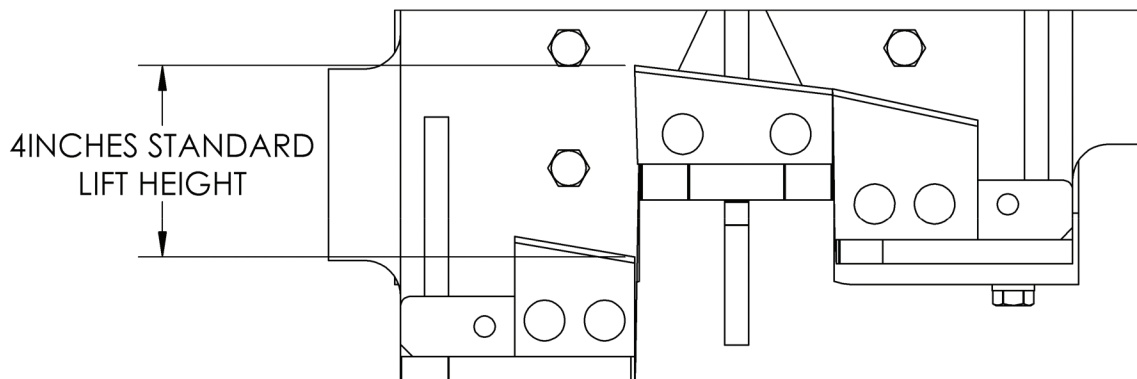
### SLIDER VERTICAL INDEXERS RAIL MEASUREMENTS

INDEXERS



UNIT SHOWN IS A LEFT TO RIGHT SLIDER VERTICAL LIFT INDEXER

### VERTICAL INDEXER LIFT HEIGHT MEASUREMENT

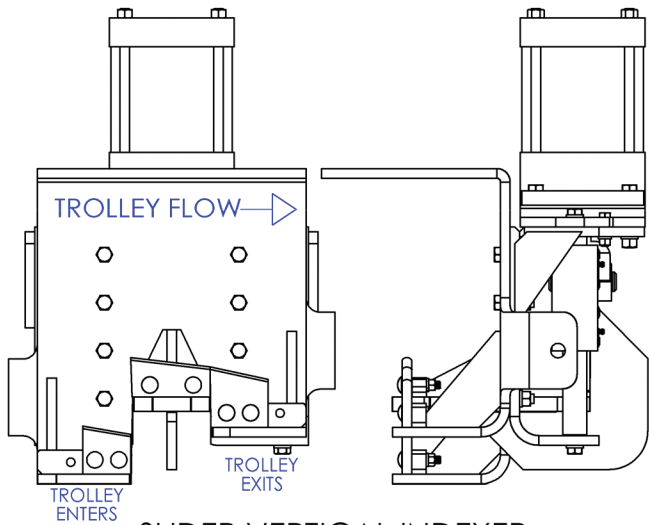


# HERCULES<sup>®</sup>

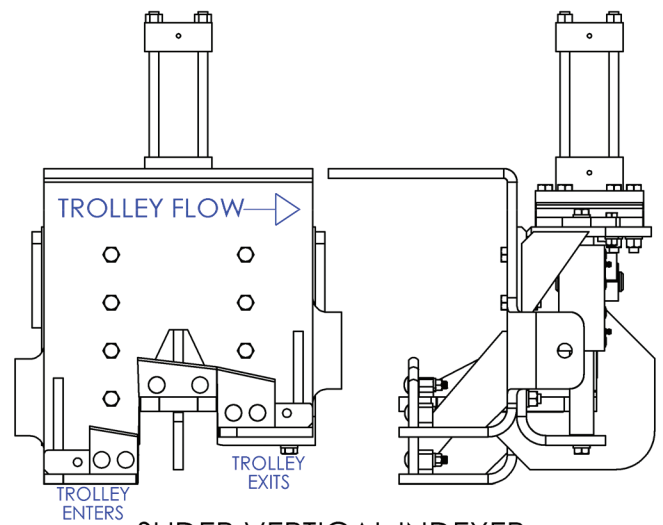
## INDEXERS

### SLIDER VERTICAL INDEXER COMPLETE UNITS

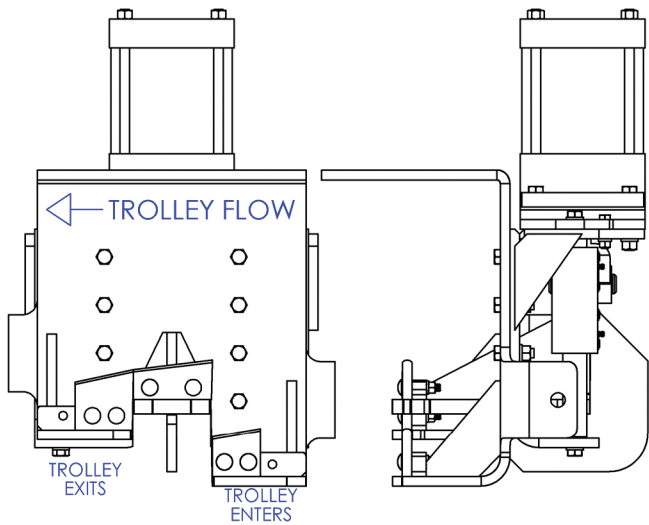
INDEXERS



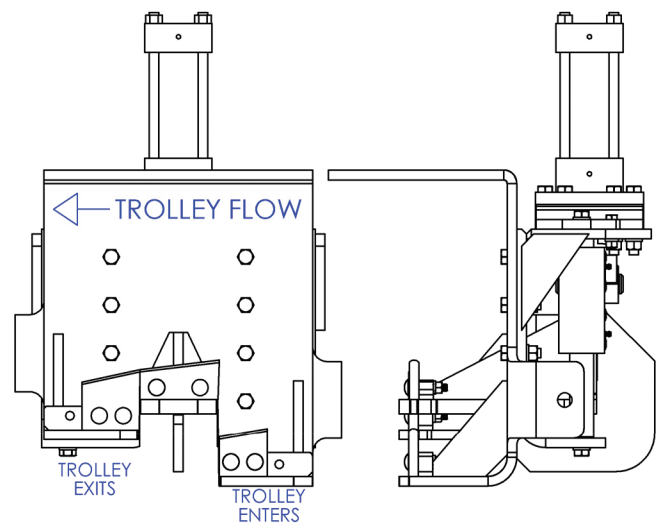
SLIDER VERTICAL INDEXER  
LEFT TO RIGHT PNEUMATIC COMPLETE UNIT  
**Part Number: 1121568**



SLIDER VERTICAL INDEXER  
LEFT TO RIGHT HYDRAULIC COMPLETE UNIT  
**Part Number: 1128499**

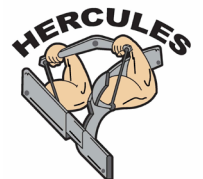


SLIDER VERTICAL INDEXER  
RIGHT TO LEFT PNEUMATIC COMPLETE UNIT  
**Part Number: 1128210**



SLIDER VERTICAL INDEXER  
RIGHT TO LEFT HYDRAULIC COMPLETE UNIT  
**Part Number: 1122515**

For more information on Vertical Indexers or to order yours today contact an IDFI sales representative at:  
(877) 873-5858

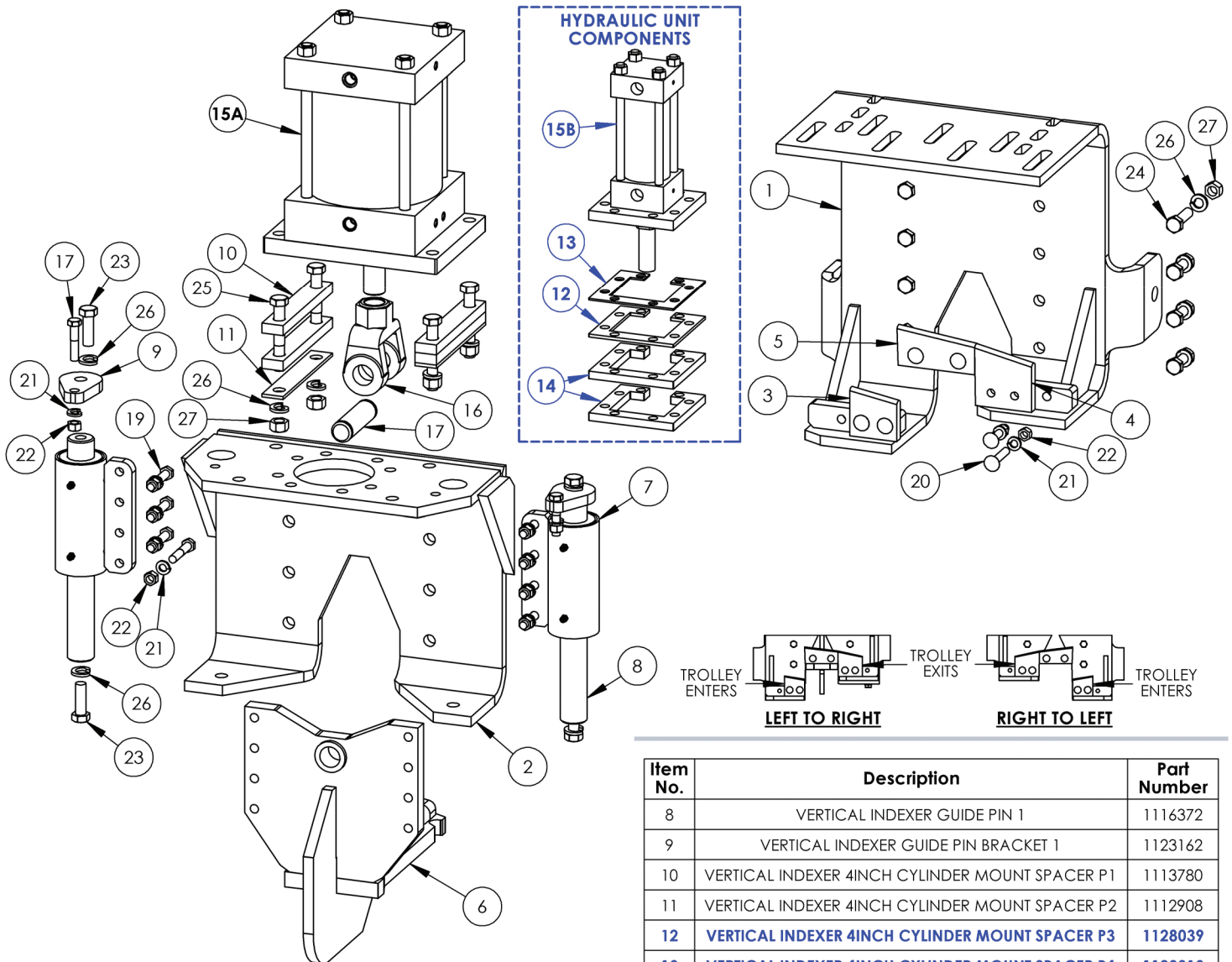


# HERCULES®

## INDEXERS

### SLIDER VERTICAL INDEXERS COMMON PARTS

INDEXERS



**LEFT TO RIGHT SLIDER VERTICAL INDEXER SHOWN**

Item No.	Description	Part Number
1	VERTICAL INDEXER 4.0INCH SLIDER HANGER LR ASSEMBLY	1123027
1	VERTICAL INDEXER 4.0INCH SLIDER HANGER RL ASSEMBLY	1111489
2	VERTICAL INDEXER 4.0INCH CYLINDER MOUNT FRAME 1	1113099
3	VERTICAL INDEXER INFEEED RAIL 1	1116846
4	VERTICAL INDEXER OUTFEED RAIL 1	1124758
5	VERTICAL INDEXER LIFT RAIL 1	1116833
6	VERTICAL INDEXER LIFT ASSEMBLY 2	1117742
7	VERTICAL INDEXER GUIDE ASSEMBLY 1	1128890

Item No.	Description	Part Number
8	VERTICAL INDEXER GUIDE PIN 1	1116372
9	VERTICAL INDEXER GUIDE PIN BRACKET 1	1123162
10	VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P1	1113780
11	VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P2	1112908
12	<b>VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P3</b>	<b>1128039</b>
13	<b>VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P4</b>	<b>1129013</b>
14	<b>VERTICAL INDEXER 4INCH CYLINDER MOUNT SPACER P5</b>	<b>1115604</b>
15A	<b>4INCH STROKE CYLINDER - PNEUMATIC</b>	<b>1116551</b>
15B	<b>4INCH STROKE CYLINDER - HYDRAULIC</b>	<b>1126635</b>
16	ROD CLEVIS 1"-14 THREAD MS	1113829
17	CLEVIS PIN 1 INCH DIAMETER	1114151
18	3/8"-16 X 1 3/4" HEX HEAD BOLT	1114590
19	3/8"-16 X 2" HEX HEAD BOLT	1119912
20	3/8"-16 X 2" ZINC RAIL BOLT	1115191
21	3/8" LOCK WASHER	1112923
22	3/8"-16 HEX NUT	1123918
23	1/2"-13 X 1 1/2" HEX HEAD BOLT	1114890
24	1/2"-13 X 1 3/4" HEX HEAD BOLT	1123666
25	1/2"-13 X 3 1/4" HEX HEAD BOLT	1127455
26	1/2" LOCK WASHER	1113190
27	1/2"-13 HEX NUT	1122583



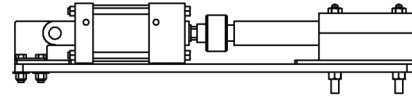
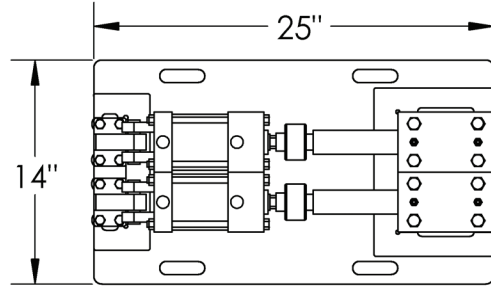
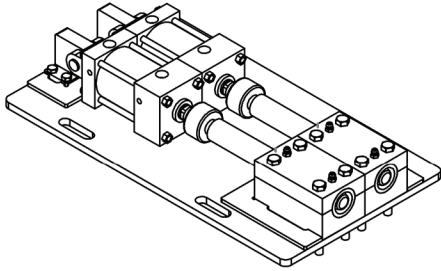


# HERCULES®

## INDEXERS

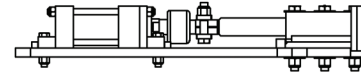
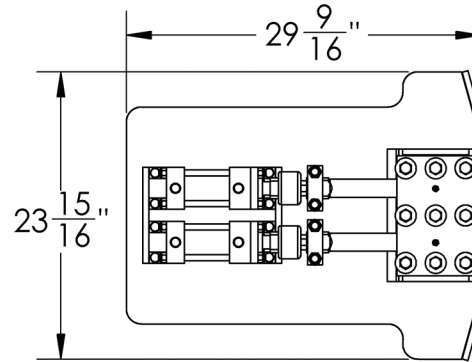
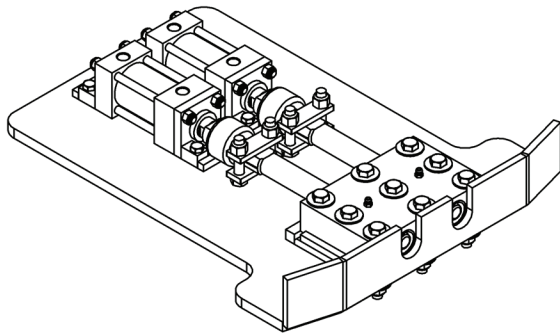
### TROLLEY 2 PIN INDEXER COMPLETE UNIT

Part Number: 1125024



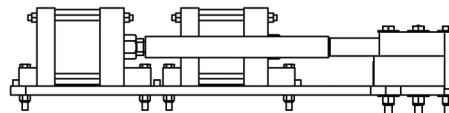
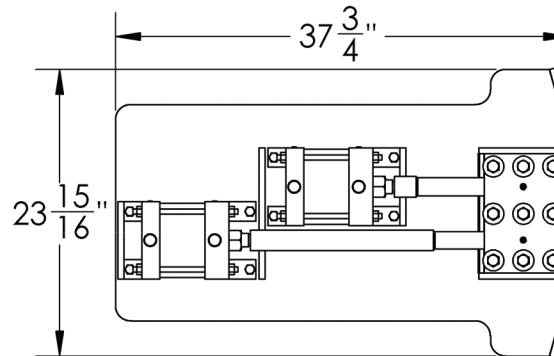
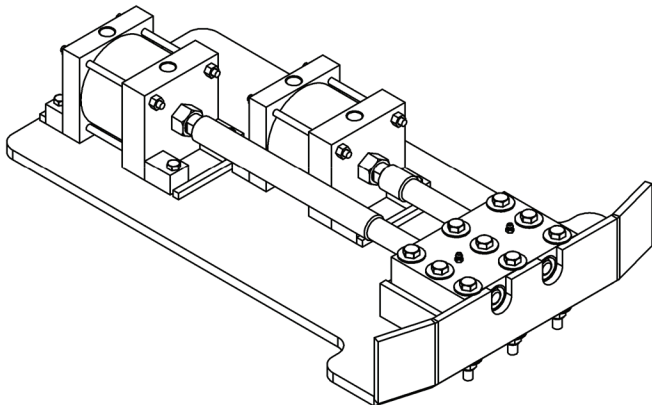
### SHACKLE 2 PIN INDEXER HYDRAULIC COMPLETE UNIT

Part Number: 1118538

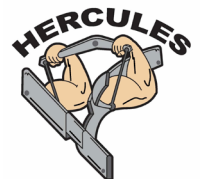


### SHACKLE 2 PIN INDEXER PNEUMATIC COMPLETE UNIT

Part Number: 1119268



For more information on 2 pin indexers or to order yours today contact an IDFI sales representative at:  
(877) 873-5858



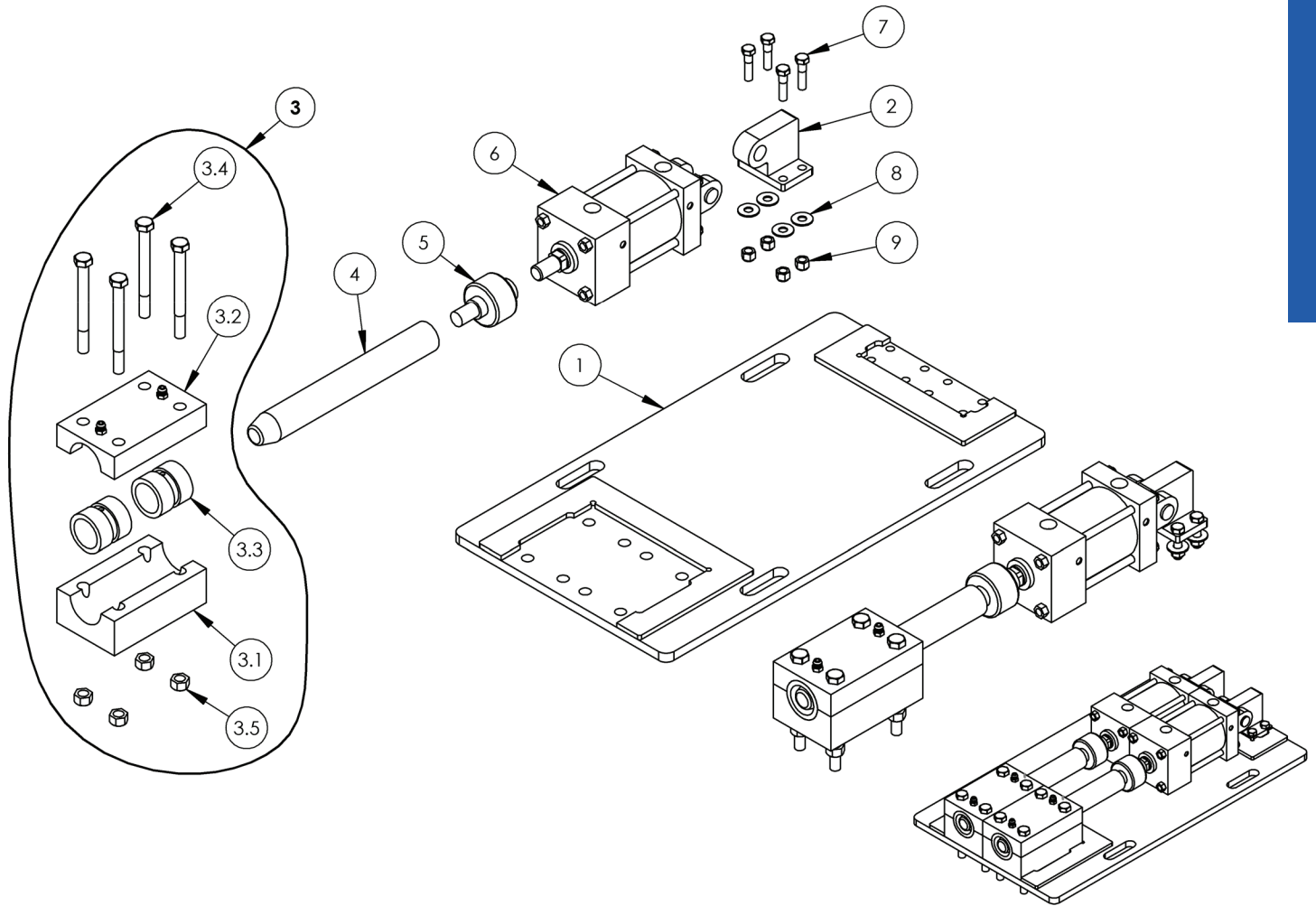


# HERCULES®

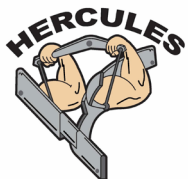
## INDEXERS

### TROLLEY 2 PIN INDEXER PARTS

INDEXERS



Item No.	Description	Part Number
1	TROLLEY 2 PIN INDEXER MOUNT ASSY	1127357
2	TROLLEY 2 PIN INDEXER PIVIT BRACKET ASSY.	1125736
<b>3</b>	<b>TROLLEY 2 PIN INDEXER BLOCK ASSY</b>	<b>1124139</b>
3.1	TROLLEY 2 PIN INDEXER BOTTOM BLOCK 1	1123215
3.2	TROLLEY 2 PIN INDEXER TOP BLOCK 1	1113338
3.3	TROLLEY 2 PIN INDEXER BRASS BUSHING	1125679
3.4	1/2"-13 X 5" HEX HEAD BOLT	1120350
3.5	1/2"-13 HEX NUT	1122583
4	TROLLEY 2 PIN INDEXER PIN A	1126012
5	TROLLEY AIR CYLINDER ALIGNMENT COUPLER 1	1117194
6	TROLLEY AIR CYLINDER 1	1126377
7	3/8"-16 X 1 1/2" HEX HEAD BOLT	1126062
8	3/8" FLAT WASHER	1115907
9	3/8"-16 NYLOCK	1111266

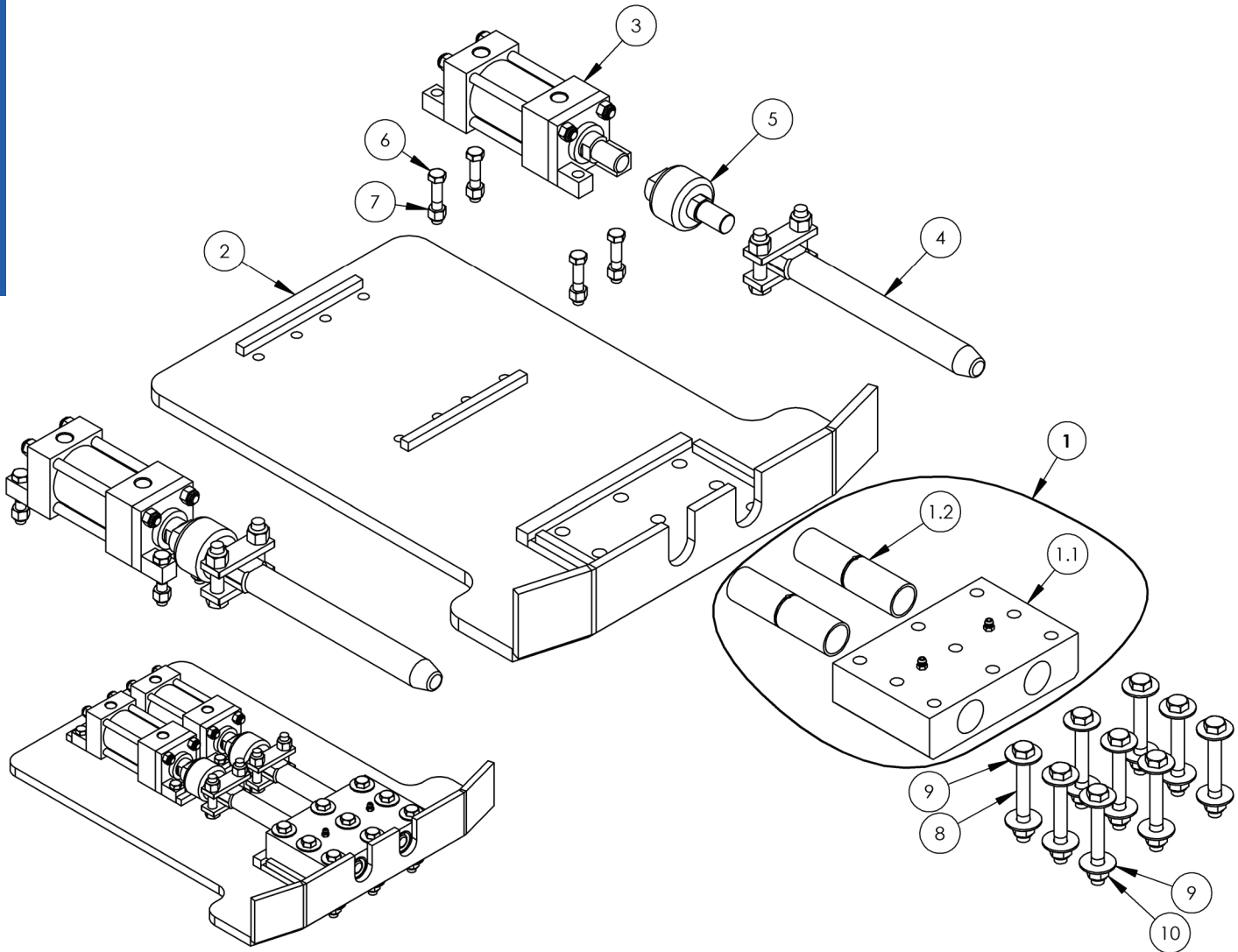


# HERCULES®

## INDEXERS

### SHACKLE 2 PIN INDEXER HYDRAULIC PARTS

INDEXERS



Item No.	Description	Part Number
1	<b>BLEED RAIL INDEXER ASSEMBLY</b>	<b>1122266</b>
1.1	BLEED RAIL INDEXER PLATE	N/A
1.2	INDEXER BRONZE BUSHING BEARING 1.5	1119473
2	SHACKLE 2 PIN INDEXER HYDRAULIC BASE PLATE ASSY	1122404
3	HYDRAULIC CYLINDER	1113840
4	INDEXER PIN 1.5 DIA X 14 SPLIT 1 COM	1116248
5	ALIGNMENT COUPLER	1115521
6	1/2"-13 X 2 1/2" HEX HEAD BOLT	1118210
7	1/2"-13 NYLOCK	1113761
8	5/8"-11 X 5" HEX HEAD BOLT	1125912
9	5/8" FLAT WASHER	1125227
10	5/8"-11 NYLOCK	1113422

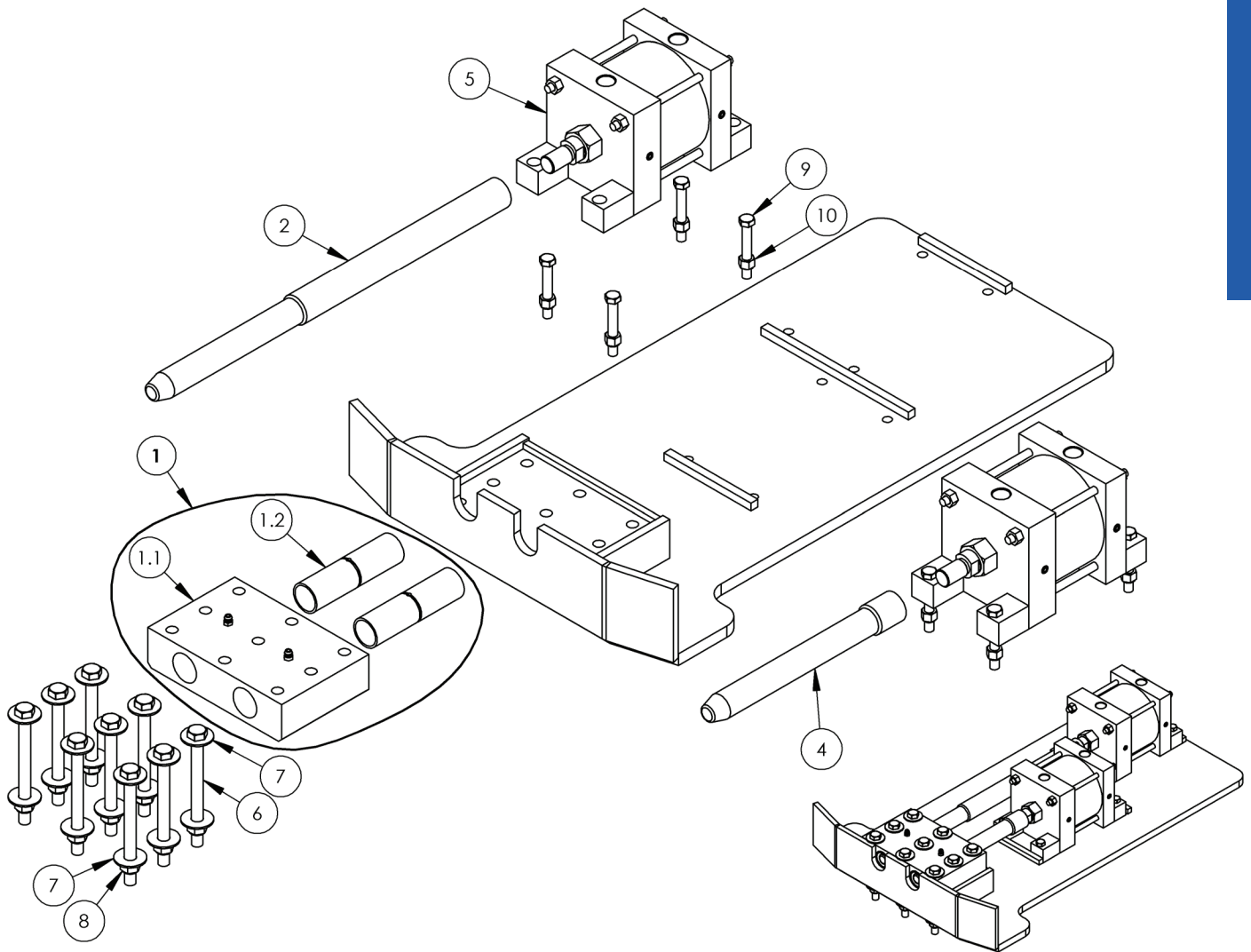


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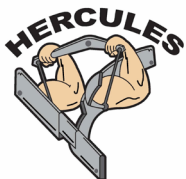
## INDEXERS

### SHACKLE 2 PIN INDEXER PNEUMATIC PARTS

INDEXERS



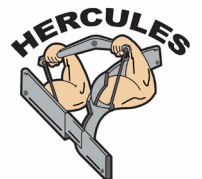
Item No.	Description	Part Number
1	<b>BLEED RAIL INDEXER ASSEMBLY</b>	<b>1122266</b>
1.1	BLEED RAIL INDEXER PLATE	N/A
1.2	INDEXER BRONZE BUSHING BEARING 1.5	1119473
2	BLEED RAIL INDEXER PIN A	1120820
3	SHACKLE 2 PIN INDEXER PNEUMATIC MOUNT ASSY	1112200
4	BLEED RAIL INDEXER PIN B	1114985
5	INDEXER PNEUMATIC CYLINDER 6 BORE 2.25 STROKE	1128986
6	5/8"-11 X 7" HEX HEAD BOLT	1124993
7	5/8" FLAT WASHER	1125227
8	5/8"-11 NYLOCK	1113422
9	1/2"-13 X 3 1/2" HEX HEAD BOLT	1123455
10	1/2"-13 NYLOCK	1113761

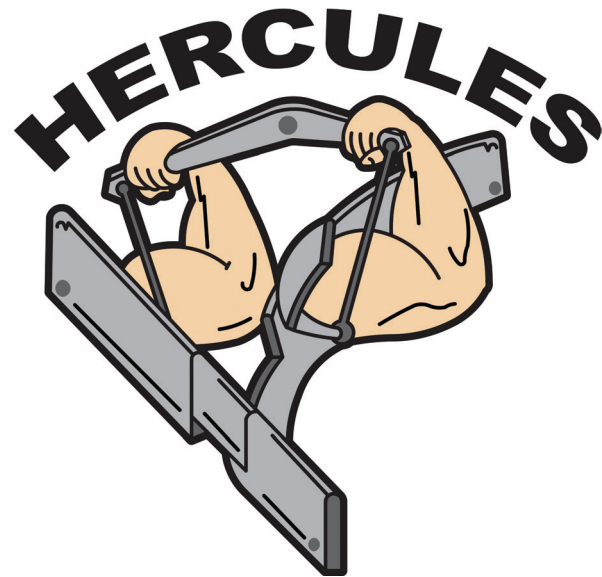


# HERCULES<sup>®</sup>

NOTES

INDEXERS

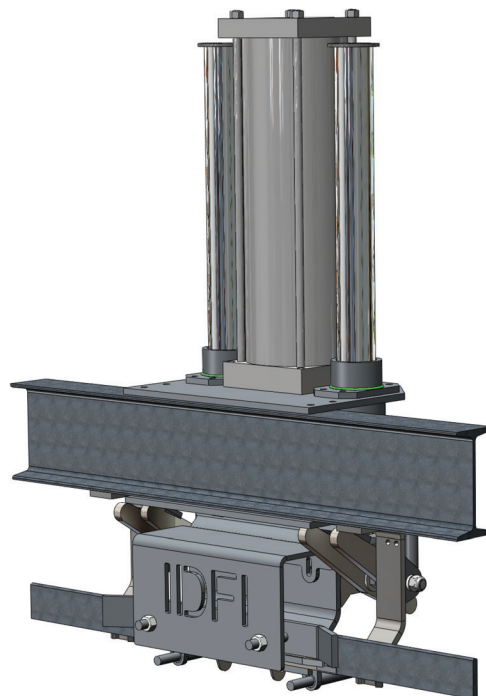




## LOWERATOR SECTION

For superior strength, reliability, and safety in areas of your plant that involve the lifting and lowering of trolleys with racks under them, you're going to want the HERCULES Lowerator. The HERCULES Lowerator's design is extremely robust, while still being one of the safest designs on the market, with four standard safety features included in the design of any HERCULES Lowerator.

Table Of Contents	
LOWERATOR SAFETY INFORMATION	96-L
LOWERATOR PNEUMATIC / HYDRAULIC CONTROLS KIT	97-L
LOWERATOR ORDERING GUIDE	98-L



# HERCULES®

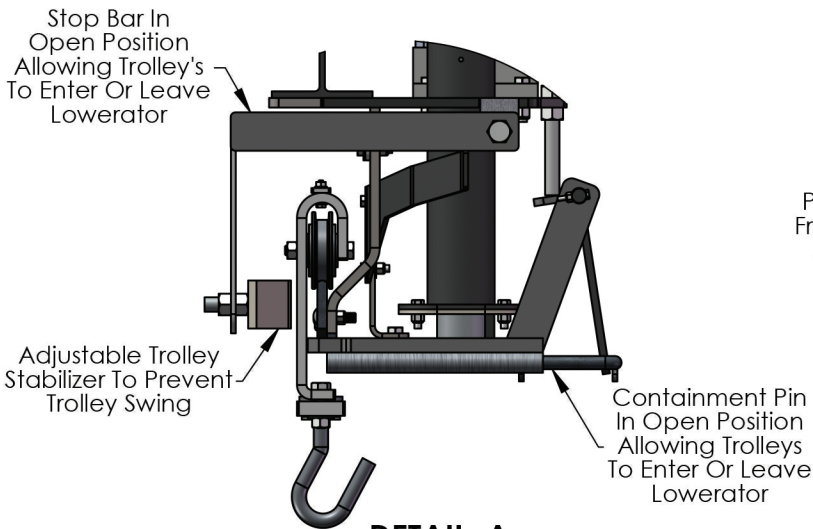
## LOWERATOR

### SAFETY INFORMATION

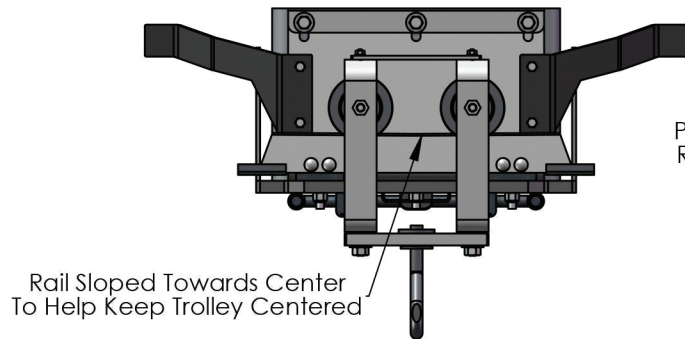
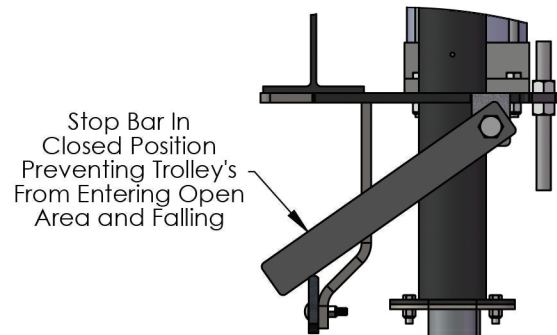
Safety is a priority in every plant, especially in areas where machinery that could cause trolleys to fall from above are being used. To prevent an accident from happening, the HERCULES Lowerator is equipped with 4 safety devices.

As Shown below, the HERCULES Lowerator is equipped with an automatic Trolley containment System. When the Lowerator is in the up position all the safety gates automatically lift out of the way as shown in detail A. But, when the Lowerator is in motion, or in the lowered work position, the safety gates automatically drop down into position, trapping your Trolley on the Lowerator rail (as shown on detail B) preventing any other trolleys from falling to the floor from the gap in the rail. While the trolley is on the Lowerator rail it will not try to slide to one side of the rail unless adjusted by a worker or machine. This is due to the curved rail on the HERCULES Lowerator. The rail is slightly curved toward its center on both sides to help prevent trolley movement and uneven weight distribution.

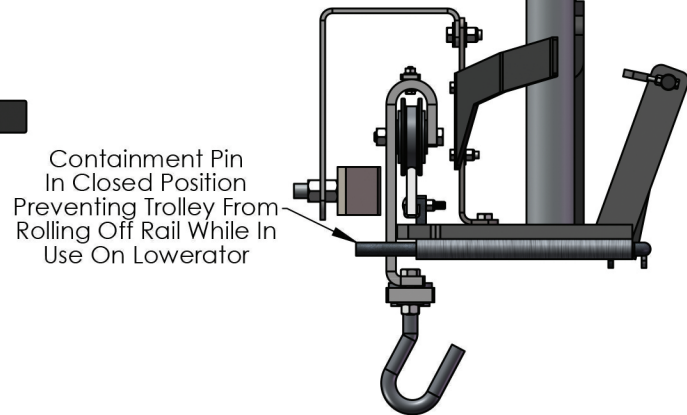
LOWERATOR



**DETAIL: A**



**DETAIL: C**



**DETAIL: B**



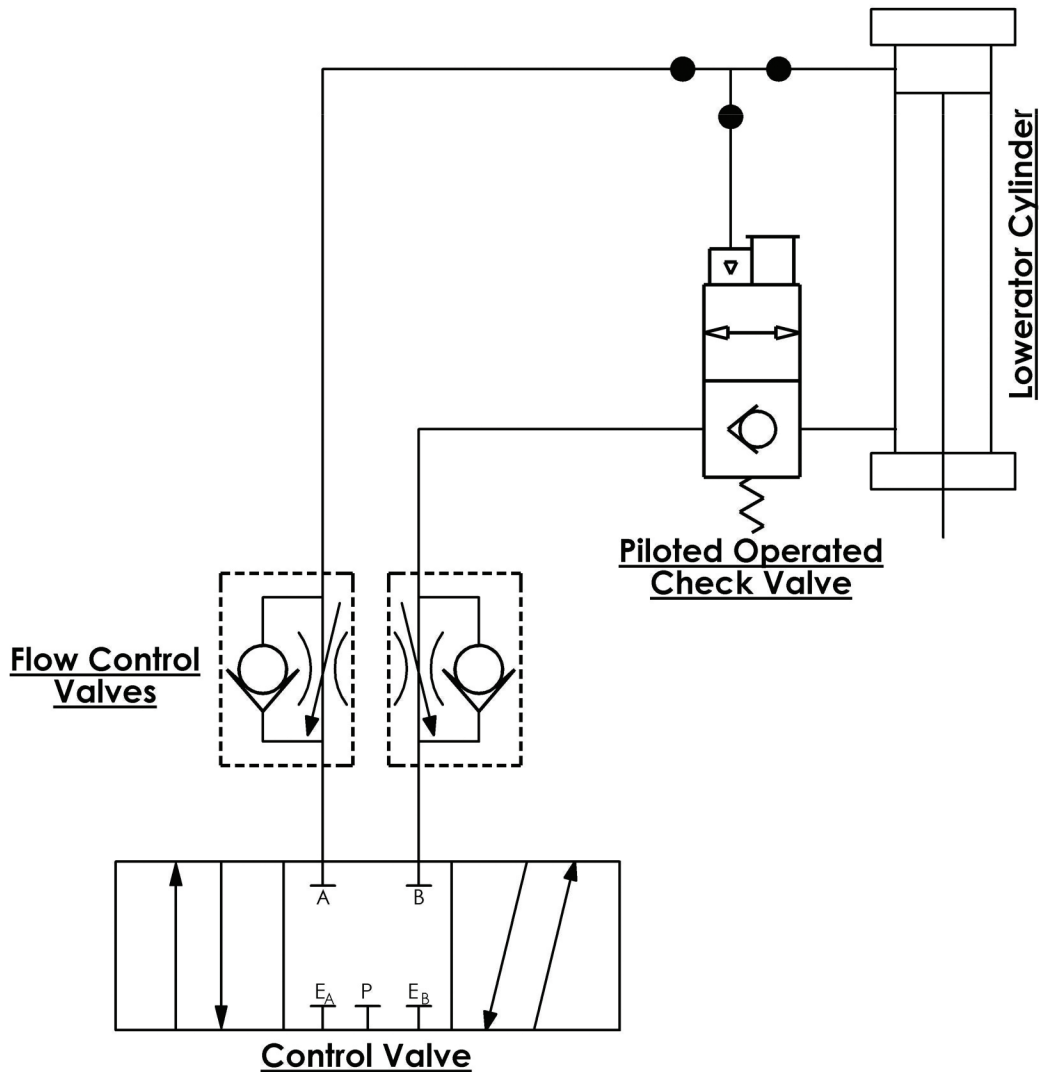


# HERCULES®

## LOWERATOR

### SETUP SCHEMATICS

Another way that the HERCULES Lowerator keeps the safety of your employees as a top priority is by using a piloted operated check valve. The use of this valve will stop the Lowerators rail drop from suddenly falling in the event of a loss of air pressure to the Lowerator's cylinder, protecting any workers that might be in the area from being injured by a falling trolley.



**LOWERATOR**

### LOWERATOR CONTROL KITS

Control Kits include all valves, fittings, controls, and hoses you will need to hook your HERCULES Lowerator up to your existing system.

Item No.	Description	Part Number
A	LOWERATOR PNEUMATIC CONTROL KIT	1119240
B	LOWERATOR HYDRAULIC CONTROL KIT	1127985



To order a HERCULES Lowerator Control Kit, or get more information on one please contact an IDFI Sales Representative at: [\(877\) 873-5858](tel:877-873-5858)

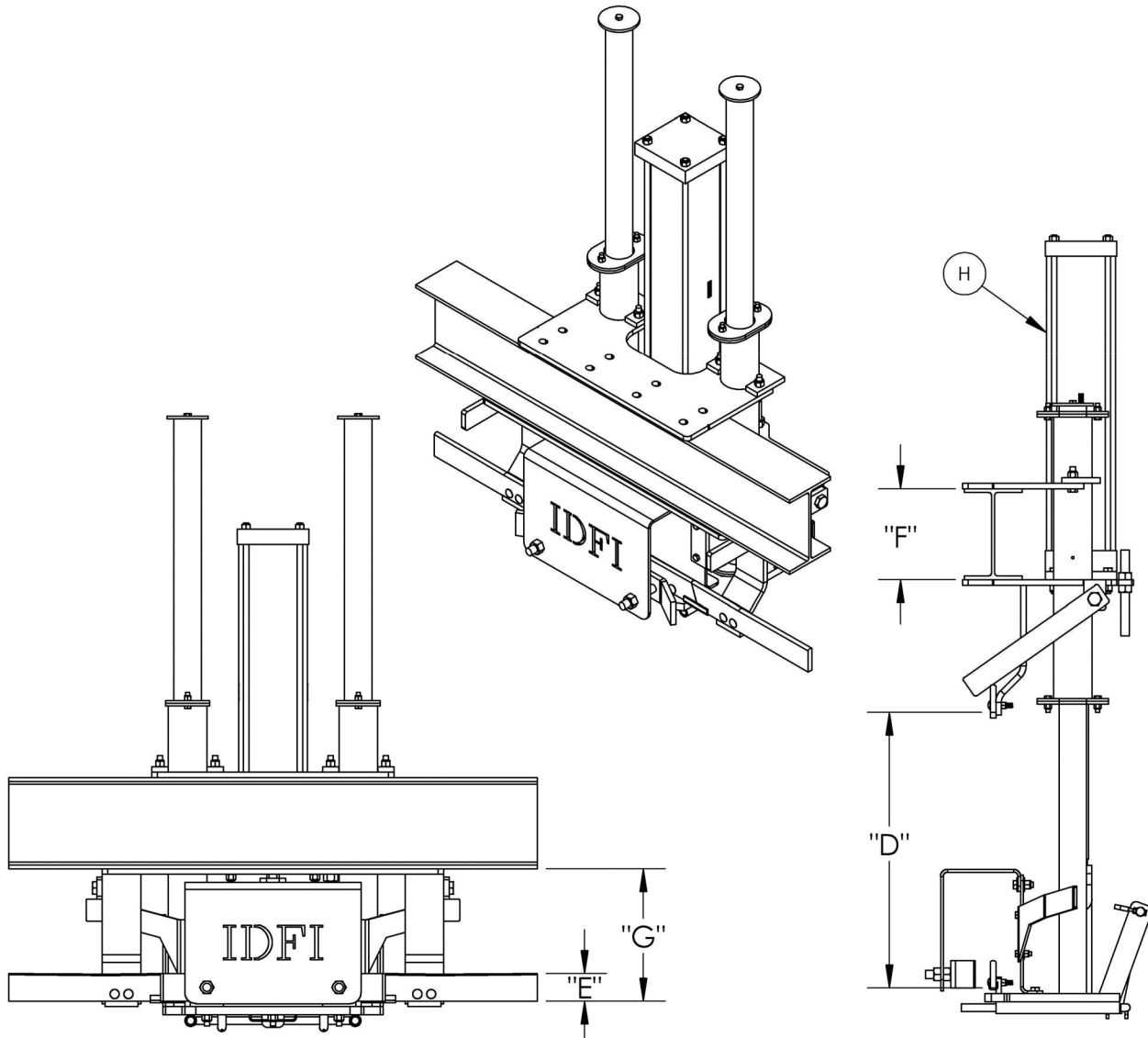
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 PHONE: 1-877-873-5858 FAX: 1-712-224-5604

# HERCULES<sup>®</sup>

## LOWERATOR

### LOWERATOR ORDERING GUIDE

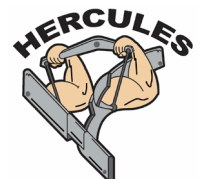
LOWERATOR



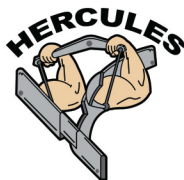
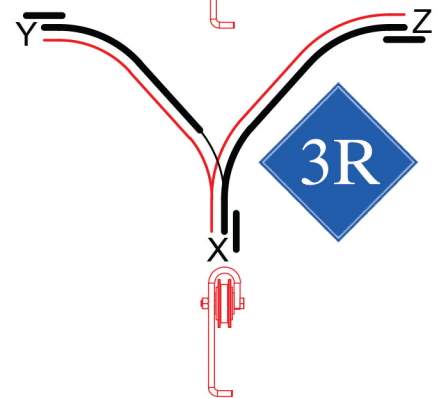
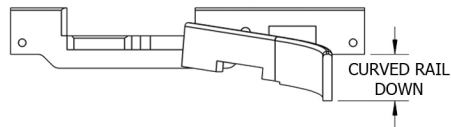
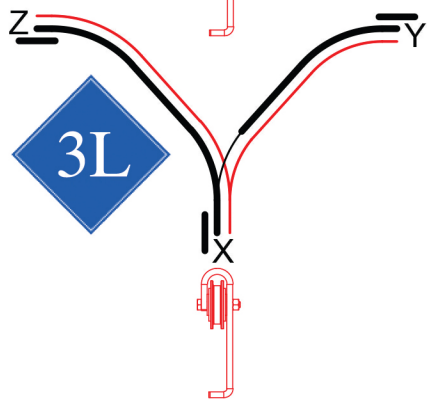
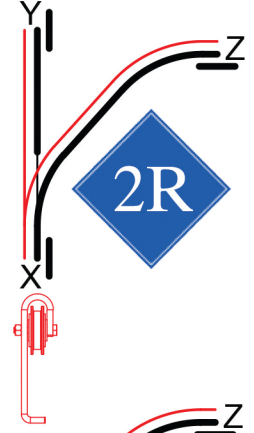
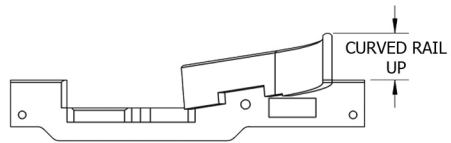
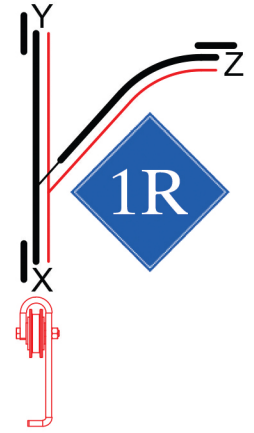
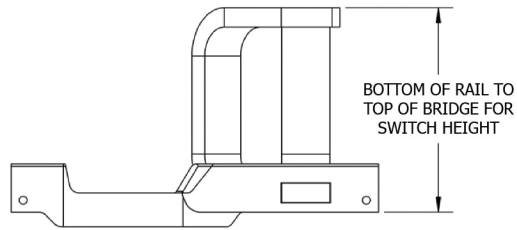
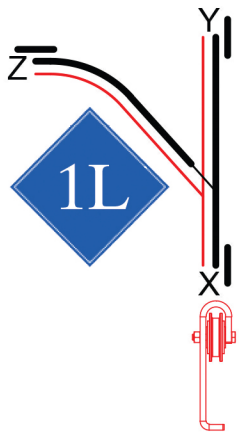
The descriptions below are typical questions for necessary information to properly quote your HERCULES Lowerator.

Item No.	Description	Answer
A	LOWERATOR MATERIAL TYPE	SS MS
B	TROLLEY SIZE TO BE USED ON LOWERATOR	
C	WEIGHT OF PRODUCT LOAD TO BE LIFTED	
D	LOWERATOR TRAVEL DISTANCE	
E	MEAT RAIL SIZE TYING INTO LOWERATOR	
F	BEAM SIZE IN LOWERATOR MOUNT LOCATION	
G	HANGER HEIGHT (BOTTOM OF BEAM TO BOTTOM OF MEAT RAIL)	
H	PNEUMATIC OR HYDRAULIC CYLINDER	
I	CONTROLS TYPE	

To order a HERCULES Lowerator Control Kit, or get more information on one please contact an IDFI Sales Representative at: (877) 873-5858



# STRONGER BY DESIGN



2501 MURRAY STREET, SUITE A

SIOUX CITY, IA 51111

P: (712) 224-5600

T: (877) 873-5858

F: (712) 224-5604