



# SAFETY GUARDING SOLUTIONS

**STAY AWAY - STAY SAFE**



**BELT CONVEYOR GUARDING**  
Proven Safety Guarding Solutions

## OUR VALUE PROPOSITION



Manufacturing of premium safety guarding for existing bulk material handling equipment is our business. For 30 years Belt Conveyor Guarding helps companies all over North America to keep their workers safe. We provide compliant, ergonomic and user-friendly guarding!

Having compliant guards is vital. However, we believe that modern and innovative guarding must go beyond just being compliant. It has to add value by making equipment maintenance fast and hassle-free! Thus, the benefits of our guards include, but not limited to:

- › Guards are designed for your specific applications
- › Guards are easily handled by just one person
- › Guards can be removed and installed in seconds (not hours).

Not sure where to start or which guard is suitable for your specific application? Our team of experienced and knowledgeable professionals will answer all of your technical questions and recommend the best solution.

By giving Belt Conveyor Guarding an opportunity to work on your guarding project, you choose to join hundreds of clients, who are already saving thousands of dollars annually. Contact us and start saving today!

## OUR CORE VALUES

**Walk The Talk:** We do what we say and always make it right

**No Half-Ass:** We accept nothing short of perfect

**Every Level of Service Matters:** We surpass customers' expectations every step of the way

**We Are Different:** Simply because we innovate, and we lead



# BELT CONVEYOR GUARDING

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# EXPECT EXCEPTIONAL SERVICE

## WHEN YOU REQUEST A QUOTATION, YOU WILL RECEIVE THE FOLLOWING:

- › An itemized list of guards required, along with the cost.
- › A map, if applicable, that shows where the guards go.
- › Installation instructions once order is placed.

## WHEN YOU PLACE AN ORDER, WE ARE PLEASED TO OFFER THE FOLLOWING SERVICES:

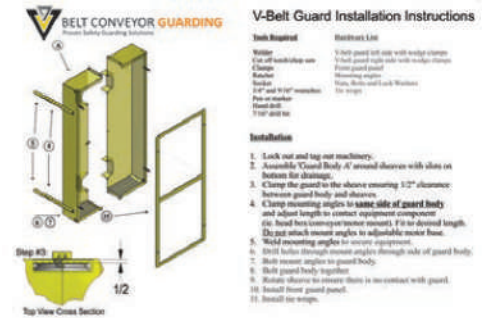
- › If we have already been to your site, we have most of the information needed to design your guards. If not, we can schedule a site visit.
- › Guards are shipped as systems, so each system is skidded accordingly for each area being guarded - no need for on-site sorting of parts.
- › Each guarding system and components are labeled for ease of identification and installation.
- › Most large components of the guarding system are affixed with a weight label for safety during installation and maintenance.
- › Installation drawings are included with each skid.
- › You will receive electronic copies of drawings for your records.
- › For larger orders, you will receive master hard copies of the drawings in a binder.
- › You will be notified by email when your order ships, along with freight details, tracking information and estimated date of arrival.
- › Your shipment will be tracked and we will confirm proof of delivery.
- › We offer installation support. We want you to have a smooth installation process and be happy with your guarding project.

## BENEFITS OF OUR GUARDS INCLUDE:

- › Eliminating workplace injuries
- › Increasing productivity
- › Decreasing fines, citations, and costly shutdowns
- › Extending the life of your equipment
- › Ensuring compliance

**ANYTHING WE CAN DO TO HELP – WE WILL.**

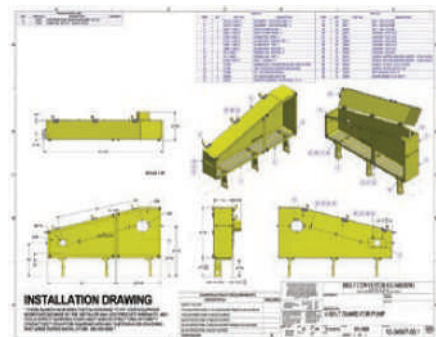
## INSTRUCTIONS



## LABELLED COMPONENTS



## DRAWINGS



## WEIGHT LABEL



When talking about guarding, the most important aspect is whether the guarding system is properly protecting your workers from the danger behind it. Something that should also be considered when deciding on a guarding system is the Return on Investment (ROI).

## WORKER SAFETY SHOULD BE EVERYONE'S TOP PRIORITY

### BELT CONVEYOR GUARDING INCREASES YOUR RETURN ON INVESTMENT BY:

- › Increasing worker safety
- › Helping avoid citations and fines with compliant guarding
- › Spending less time on maintenance with user-friendly and easy access guarding
- › Enabling small repairs to be done quickly, reducing wait times and breakdowns
- › Having shorter unscheduled down times with easy to handle guards



### NOW THAT YOU HAVE COMPLIANT GUARDS, HOW DO YOU KEEP THEM THAT WAY?

For years, standard practice has been to forget about the guards until they were non-compliant again.

### GUARD MAINTENANCE PROGRAMS SHOULD CONSIST OF:

- › Regularly scheduled inspections of installed guarding
- › Ensuring that all guarding remains compliant
- › Replacing any damaged or worn guarding
- › Utilizing Belt Conveyor Guarding's identification system to order replacement parts





When an unexpected equipment breakdown occurs, one of the first things that happen after the machine is locked out is the need to remove Safety Guards in order to access the equipment. Also, one of the last things after repair work is completed is the need to put the guards back in place before the machinery is powered up.

**There are some questions in your checklist that should be asked:**

- › How easy and quick can your guards be removed and put back in place?
- › Does this require additional manpower?
- › Was additional equipment, such as forklifts or overhead lifts, required?
- › How much time does this add to your unexpected downtime?
- › What does this extra time cost you in lost production?

## GUARD SEATS

Guard Seats securely hold the lower portion of the guard, eliminating the need for bottom fasteners. Used on Barriers and Flat Guard Legs, Guard Seats improve the ergonomics and functionality of removing and reinstalling flat guards.

### EASY TO INSTALL

- › Barrier posts and Flat guard legs are shipped complete with wedge clamps and guard seats installed
- › Single seat or double seat brackets are suitable for most guard applications
- › Install at varying heights for ground clearance and elevation changes

### EASY TO MAINTAIN

- › Compact design with no sharp edges
- › Double guard seats include provisions for pull cord eyelets
- › Makes installation and removal significantly more efficient



Close-up view of guard seats at two different heights



Double seat brackets with provisions for pull cord eyelets



Single bracket featuring compact design and no sharp edges

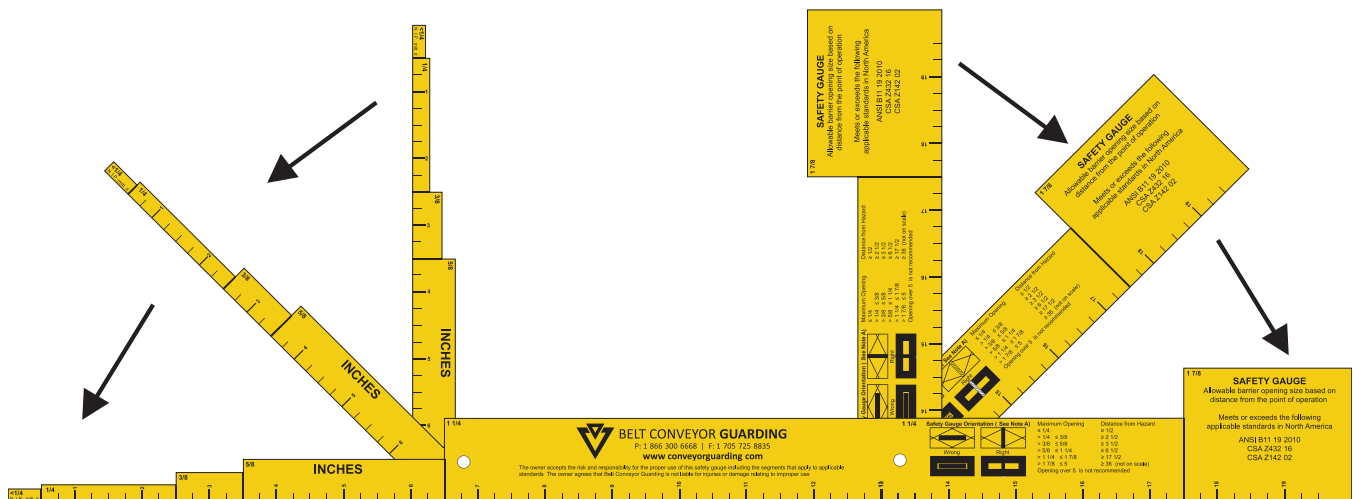


When designing safety guarding, it is essential to ensure that openings, such as mesh for machine visibility, are not large enough to allow access to the hazards contained. It is also crucial that the guarding is installed at a safe distance from the hazard based on the opening sizes.

Belt Conveyor Guarding has developed a Safety Gauge that is essential for the design, installation, and inspection of guarding systems. The Safety Gauge ensures that the openings adhere to all appropriate machine guarding safety standards. These include the prevention of being able to reach the hazard either around, under, through or over (AUTO, p.47) the guarding.

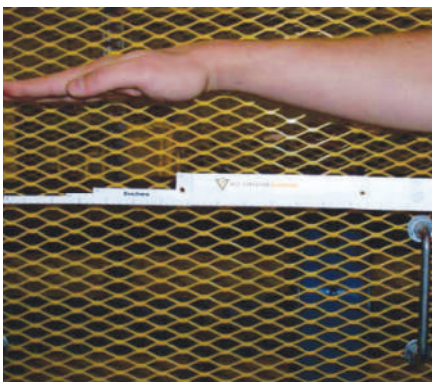
The guarding should comply with North American standards such as ANSI (American National Standards Institute) and CSA (Canadian Standards Association).

## SAFETY GAUGE



## HOW TO USE OUR SAFETY GAUGE

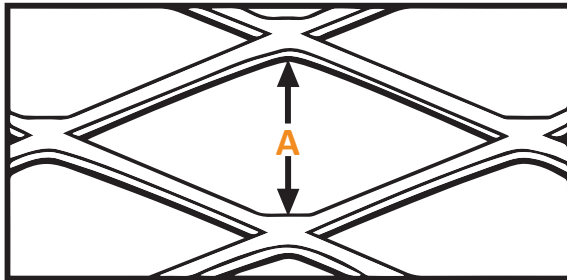
Our safety gauge opens up to indicate the appropriate size of allowable mesh and the distance the guarding system must be from the hazard. Insert the safety gauge into the mesh as shown in the figures below. If the tip of the safety gauge contacts the rotating equipment behind the guard, your guarding is not compliant. Either the mesh size is too big or the guard is too close to the hazard.



## MESH SIZES AND TYPES

Expanded metal and welded wire mesh play an integral role in the safety and compliance of our guarding solutions. Below are examples of standard and custom sizes we use.

### EXPANDED METAL MESH



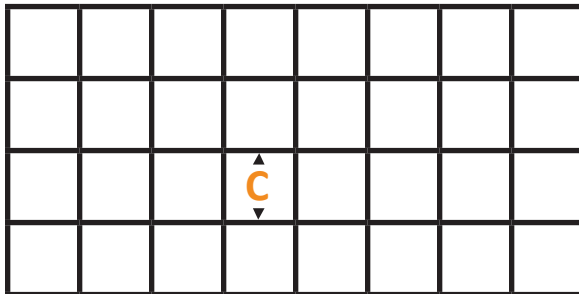
#### FLAT GUARDS MESH SIZES

MESH SIZE	A	B
5/16" #18 Flattened	0.172"	1/2"
3/4" #13 Flattened (Standard)	0.688"	1/2"
*3/4" #13 Flattened (Modified)	0.562"	3 1/2"
1 1/2" #13 Flattened	1.063"	6 1/2"

\* - Most commonly used size

B - distance from hazard

### WELDED WIRE MESH



#### BELLY GUARDS MESH SIZES

MESH SIZE	C	D
1" x 1" - 10 Gauge	0.865"	6 1/2"
*1 1/2" x 1 1/2" - 10 Gauge	1.365"	17 1/2"
3" x 3" x 1/4"	2.750"	36"

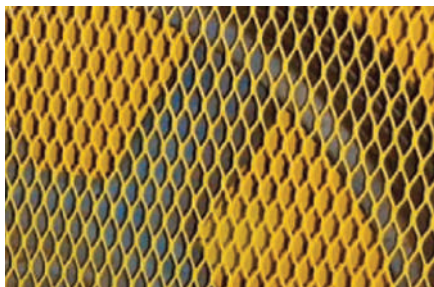
\* - Most commonly used size

D - distance from hazard

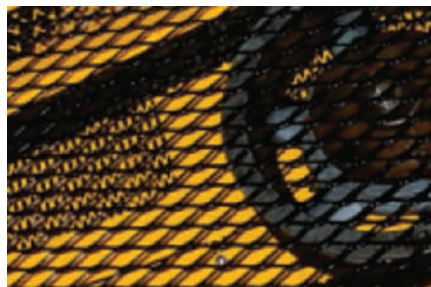
### MESH COLORS

Guards and mesh can be painted in any color, however our standard color is safety yellow. Optional Black Mesh is easier on the eyes, provides better visibility, and allows for the use of touchless measuring devices without having to remove the guard.

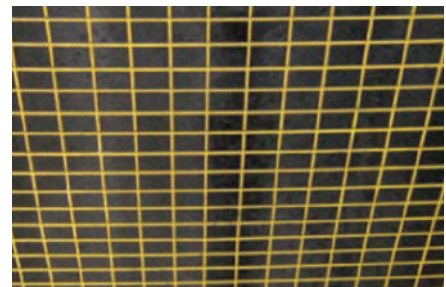
#### EXPANDED METAL MESH STANDARD SAFETY YELLOW



#### OPTIONAL BLACK MESH



#### WELDED WIRE MESH STANDARD SAFETY YELLOW





As a starting point in developing an effective safety guarding policy, a safety guarding assessment is a great tool that will discover potential areas of risk, ensure compliancy, and educate stakeholders on proper safety guarding practices and procedures.

## **GUARDING TECHNICIANS WILL:**

- › Come to site
- › Meet with stakeholders to review the assessment plan
- › Assess the equipment for guarding determined by the plan
- › Take pictures of equipment that requires guarding as identified in the plan
- › Measure areas to ensure a tight and secure fit
- › Recommend guarding upgrades based on either MSHA, OSHA or CSA Standards

## **OTHER BENEFITS INCLUDE:**

- › Discovering solutions to reduce unnecessary workplace injuries
- › Developing an understanding of the requirements and scope of a tailored guarding project
- › Eliminating ineffective guarding systems and ensuring industry compliancy
- › Increasing productivity

## **GUARDING ASSESSMENT REPORT INCLUDES:**

- › Itemized report showing pictures of non-compliant guarding
- › Description of guarding deficiencies
- › Itemized quote showing cost to supply new guarding
- › Risk analysis for each guard quoted

## **OUR SERVICES INCLUDE:**

- › Risk Identification
- › Risk Management
- › Cost Projections & Breakdown
- › Customized Guarding Designs
- › Fabrication of Custom Guarding
- › On-site Equipment Measurements and Photography
- › On-site training for installers/stakeholders



# RISK MATRIX

ONCE A SAFETY GUARDING ASSESSMENT HAS BEEN COMPLETED, THIS MATRIX WILL HELP YOU PRIORITIZE YOUR GUARDING PROJECT.

$$\text{OVERALL RISK} = \frac{P \times S}{G}$$

P = PROBABILITY OF CONTACT  
S = INJURY SEVERITY  
G = GUARDING FACTOR

		GUARDING FACTOR			
		0.1	0.3	0.6	0.9
PROBABILITY OF CONTACT (P)X INJURY SEVERITY (S)	16	160	53	26	18
	12	120	40	20	13
	8	80	26	13	9
	6	60	20	10	6
	4	40	13	6	4



Overall risk score range: 4-18. Risk is acceptable and no further action is necessary.



Overall risk score range: 20-26. Additional controls should be considered to bring machine risks into an acceptable range.



Overall risk score range: 40-160. Risk is unacceptable. Guarding needs to be designed and implemented to bring risks into acceptable range.



## SAMPLE ASSESSMENT

As shown below, the assessment report outlines the equipment references, and detailed pictures of the deficiency. Also included is a copy of the quotation, which gives an accurate breakdown of the costs involved with guarding each piece of equipment. You will also receive a layout of the equipment.


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Safety Guarding Solutions for Mining & Industrial Equipment

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### Head Section

**Quote ID:** 10-00000    **Line:** 4

**Description:**  
Flat Guard Assembly

**Hazard:**  
Workers have access to head pulley and shafts.

**CSA Z432-16 Safe Guarding of Machinery.**  
Sec 7.4, 9.1.1 and 10.1


160

Risk: Unacceptable


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*Example above based on an assessment of a conveyor. Non-conveyor assessments may appear differently.*

The assessment photographs are used to correlate equipment deficiencies with the location on the equipment itself. The photographs are a great tool that can be used to get a better idea of where and why the hazard exists; which can then be used as a reference point when implementing a guarding project. Depending on the equipment and its location, the quantity of photos and references will vary.


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### Tail Section

**Quote ID:** 10-00000    **Line:** 1

**Description:**  
Modular Barrier Guard

**Hazard:**  
Workers have access to tail pulley and shafts.  
Mesh is too large.  
Workers can reach through existing guard.  
Gaps in existing guard.  
Existing guard is not secure.  
No tool to remove.

**CSA Z432-16 Safe Guarding of Machinery.**  
Sec 6.3.3.2.2, 9.1.1 and 10.1

53.3

Risk: Unacceptable

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## THE ULTIMATE GUARDING FASTENER

The Smart Wedge Clamp never has to be removed, but still allows guards to be taken on and off with ease.

- › No hassle guard installation mechanism
- › Install guards using Smart Wedge Clamps in less than 15 seconds
- › Pivots open and closed with no loose parts
- › Guards can be removed easily for maintenance
- › Zinc plated for durability (also available in stainless steel)
- › Assembly includes: Smart Wedge Clamp, nut, lock washer and cable tie
- › **The new design allows a cable tie to force the Wedge Clamp to be locked in place tight**



**PATENTED**

## PART NUMBERS AND TECHNICAL SPECIFICATIONS

SMART WEDGE CLAMPS				
DESCRIPTION	PART #	MATERIAL	THREAD SIZE	UNITS INCLUDED
Smart Wedge Clamp Assembly 3/8"	71327	Zinc	3/8" - 16 NC x 1"L	1
Smart Wedge Clamp Assembly 3/8"	71327S	Stainless	3/8" - 16 NC x 1"L	1
Smart Wedge Clamp Assembly 1/2"	70100	Zinc	1/2" - 13 NC x 1"L	1
Smart Wedge Clamp Assembly 1/2"	70100S	Stainless	1/2" - 13 NC x 1"L	1
Smart Wedge Clamp Assembly 1/2"	71259	Zinc	1/2" - 13 NC x 1½"L	1
Smart Wedge Clamp Assembly Weld On	71370	Zinc	No Threads	1

\* Smart Wedge Clamps are sold in quantities of 50



**Please Note:** A cable tie or other device, as shown above, **MUST** be installed through the Wedge Clamp in the "closed" position to ensure compliance with ANSI B11.19-2019 sec. 8.1.4.1 & 8.2.2 and Canadian Regulatory Standards (CSA Z432-16 sec. 6.3.3.2.2) that require a "tool to remove".



# LOCKING WEDGE CLAMP

The Locking Wedge Clamp uses a set screw system, designed for applications where using a cable tie is not desirable.

- › No hassle installation mechanism
- › Install guards using Locking Wedge Clamps quickly and easily
- › Pivots open and closed with no loose parts
- › Guards can be removed easily for maintenance
- › Zinc plated for durability (available in stainless steel)
- › Set screw design allows toggle bar to rotate to easily install and remove guards
- › Use an Allen key to quickly lock or unlock the set screw
- › Satisfies “tool to remove” regulations
- › Assembly includes: Locking Wedge Clamp, nut and washer



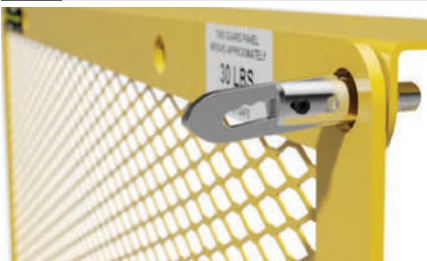
**PATENTED**

## PART NUMBERS AND TECHNICAL SPECIFICATIONS

LOCKING WEDGE CLAMPS				
DESCRIPTION	PART NUMBER	MATERIAL	THREAD SIZE	UNITS INCLUDED
Locking Wedge Clamp Assembly 1/2"	71307	Zinc	1/2" - 13 NC x 1"	1
Locking Wedge Clamp Assembly 1/2"	71307S	Stainless	1/2" - 13 NC x 1"	1

\* Wedge Clamps are sold in quantities of 50

**1** In open position, set screw allows quick installation or removal of guards



**2** Locking wedge clamp body 2 shows built in set screw



**3** With set screw tightened into place using an Allen key





A versatile guarding option that can be used on a variety of rotating equipment types and conveyor applications.

## EASY TO INSTALL

- › Standard and custom sizes available
- › Mounts easily with 2 or 4 wedge clamps (other options available)

## EASY TO MAINTAIN

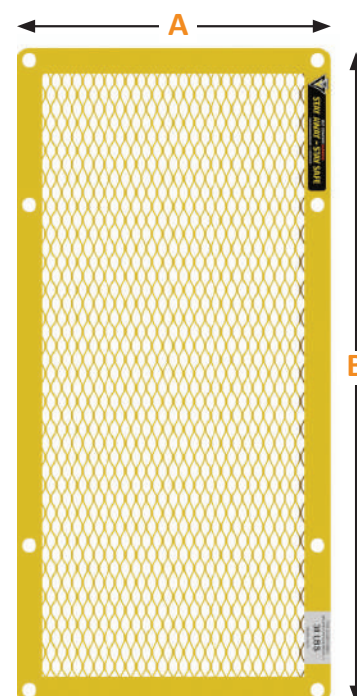
- › Guards remove in seconds for equipment access
- › Standard guards are interchangeable

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability



FLAT GUARD DESCRIPTIONS AND PART NUMBERS				
DESCRIPTION	PART NUMBER	WEIGHT (lbs)	A (IN)	B (IN)
24" X 50"	70077	26.1	24	50
30" X 50"	70610	29.4	30	50
36" X 50"	70149	32.7	36	50
24" X 60"	71112	33.1	24	60
30" X 60"	71113	37.6	30	60
36" X 60"	71114	42	36	60
24" X 72"	71235	38	24	72
30" X 72"	71264	42.9	30	72
36" X 72"	71265	47.6	36	72



\*\*3/4" #13 Flattened (Modified) Mesh  
Demonstrated On The Rendering

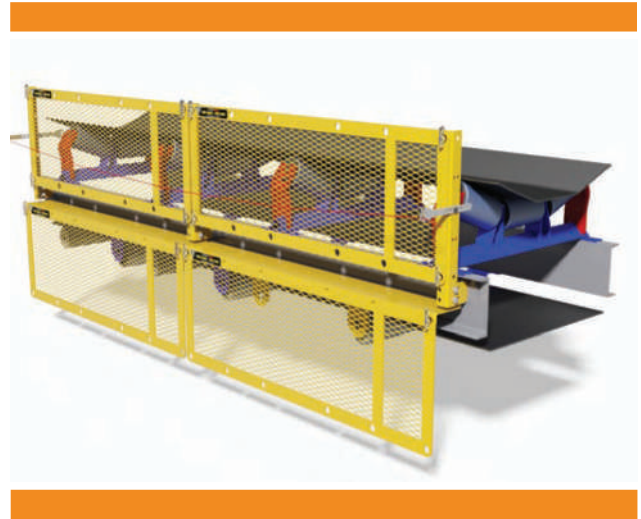
## CUSTOMIZE FLAT GUARDS WITH:

- › **Laser Cut Identification:** for easy guard reference during maintenance
- › **Handles:** for easy lifting and re-positioning of guards
- › **Access/Inspection Doors:** for increased productivity
- › **Signs:** Standard and custom signs can be added to visually convey safety messages
- › **Black Mesh:** Improves visibility and allows for the use of touchless measuring devices

# FLAT GUARD MOUNTING OPTIONS

## BENEFITS OF GUARD MOUNTING LEGS

- › Reduces guarding installation times
- › Eliminates the need for custom fabricated supporting framework
- › Powder coated for increased durability
- › Ensures consistency and compliance
- › Custom leg sizes ensure guards are installed correctly
- › Legs are shipped with hardware installed



1

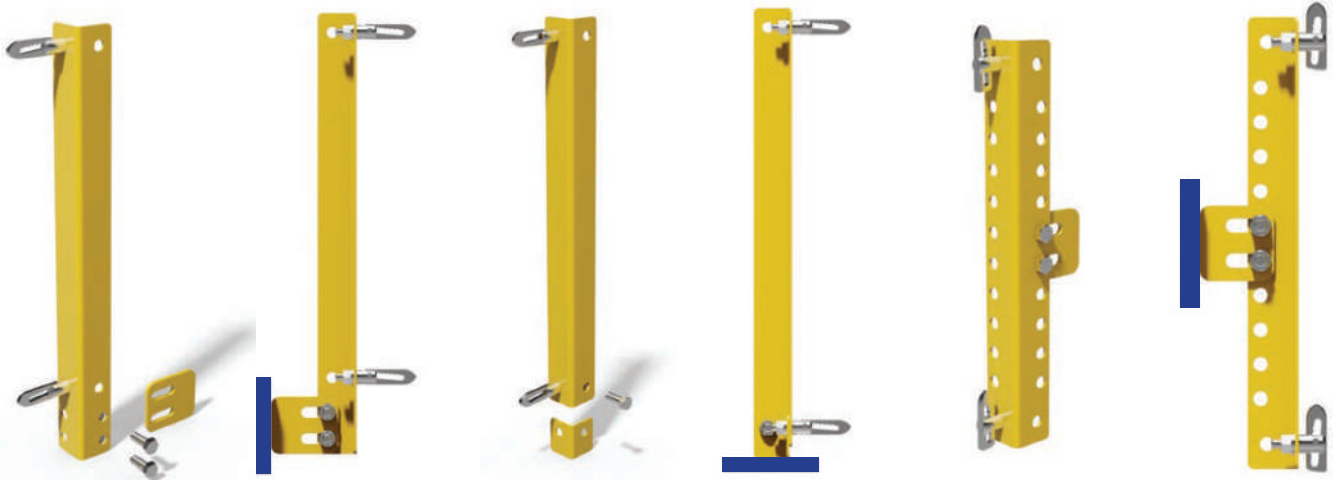
Mounting leg horizontal standoff

2

Mounting leg vertical standoff

3

Mounting leg adjustable horizontal standoff



REPRESENTS LOCATION WHERE STANDOFF IS TO BE WELDED TO EQUIPMENT OR STRUCTURE.

- › **Horizontal Standoff:** Length customized to suit obstructions
- › **Vertical Standoff:** Ideal for mounting legs on “TOP” of structure
- › **Adjustable Standoff:** Multiple holes for maximum adjustability during installation



## GUARD MOUNTING LEG TYPES

1

Single leg assembly



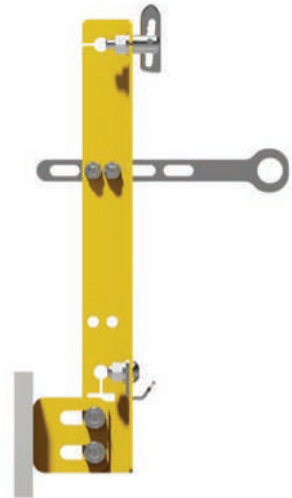
2

Double leg assembly



3

Single leg assembly with emergency pull cord eyelet



Please Note: Double leg assemblies are used for continuous runs of guards.

## GUARD MOUNTING RAILS



Custom lengths and widths available to suit your application.



# MODULAR BARRIER GUARDS

Self-supporting guards are designed for a variety of pumps and rotating equipment applications. They are commonly used to guard tail sections on conveyors.

## EASY TO INSTALL

- › Self-supporting structure
- › Customized for each application
- › No welding or cutting required
- › Sets up easily with modular bolt-together design
- › Posts/Legs are shipped fully assembled

## EASY TO MAINTAIN

- › Guards remove in seconds for equipment access

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability



## CUSTOMIZE YOUR BARRIER GUARDS WITH ANY OF THE FOLLOWING OPTIONS:

- › **Service/Inspection Doors:** Access smaller areas for inspection or maintenance (with proper procedures in place)
- › **Handles:** Ergonomically friendly handles for easy removal of guard
- › **Laser Cut Identification:** Easily reference equipment when performing maintenance tasks
- › **Access Doors:** Full entry to key areas (when proper procedures are in place)
- › **Signs:** Standard and custom signs can be added to visually convey safety messages
- › **Black Mesh:** Improves visibility and allows for the use of touchless measuring devices



Rolling safety gates are ideal for rotary car dumpers, train positioners, or other restricted areas to allow controlled traffic while restricting access to hazards. Rolling doors open easily for unobstructed equipment access.

## EASY TO INSTALL

- › Self-supporting structure
- › Customized for each application
- › No welding or cutting required

## EASY TO MAINTAIN

- › Heavy-duty rollers on gates ensure smooth operation
- › in harsh environments

## BUILT TO LAST

- › Gate rollers and frames are galvanized for increased durability
- › Guard panels are powder-coated yellow for increased visibility



MSHA		OSHA		CSA	
56/57.14112	Construction and Maintenance of Guards	1910.212	Machine Guarding	6.3.3	Design and Construction of Guards
56/57.14107	Moving machine parts	1926.555	Construction Conveyors	7.4	Rotating Equipment
75.400	Moving machine parts	1917.48	Marine Terminal Conveyors	9.1.1	Guards & protective devices

Please note: Not all products comply with every standard.

# COUPLING GUARDS

Prevent access to exposed pinch-points around couplings and rotating shaft applications.

## EASY TO INSTALL

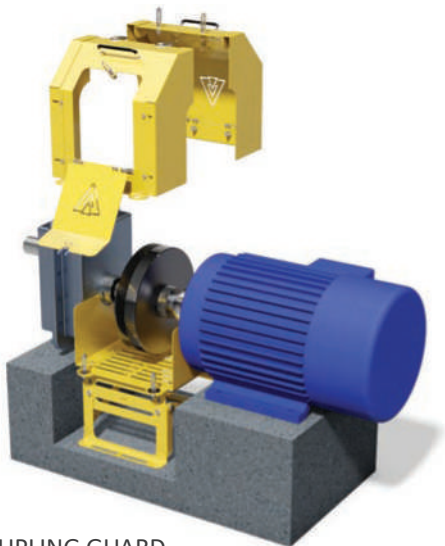
- › Self-supporting, adjustable design
- › Custom fit for each application
- › No welding or cutting required
- › Adjustable side fill plates and mounting legs

## EASY TO MAINTAIN

- › Removable top for access to coupling or shaft
- › Bottom slots help reduce material build-up
- › Sectional design for ease of installation

## BUILT TO LAST

- › Heavy-duty steel construction
- › Also available in stainless steel or aluminum
- › Powder coated for increased durability



SPLIT COUPLING GUARD  
FOR LARGER COUPLINGS



NEW CONTOURED DESIGN



DOOR OPEN TO SHOW ACCESS

## NEED A QUOTE?

Please fill out the corresponding data sheet on page 42.

## CUSTOMIZE YOUR COUPLING GUARDS WITH ANY OF THE FOLLOWING OPTIONS:

- › **Service/Inspection Door:** Easily access shaft for inspections or maintenance (with proper procedures in place)
- › **Handles:** Ergonomically friendly handles for easy removal of guard
- › **Laser Cut Identification:** Easily reference equipment when performing maintenance tasks





Protect your workers from exposed pinch-points around rotating equipment on your pump applications.

## EASY TO INSTALL

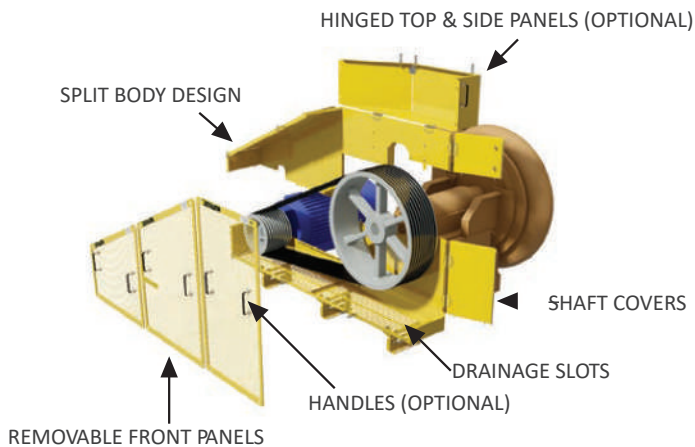
- › No need to remove sheaves during installation
- › Custom fit for each pump application
- › A variety of mounting options available

## EASY TO MAINTAIN

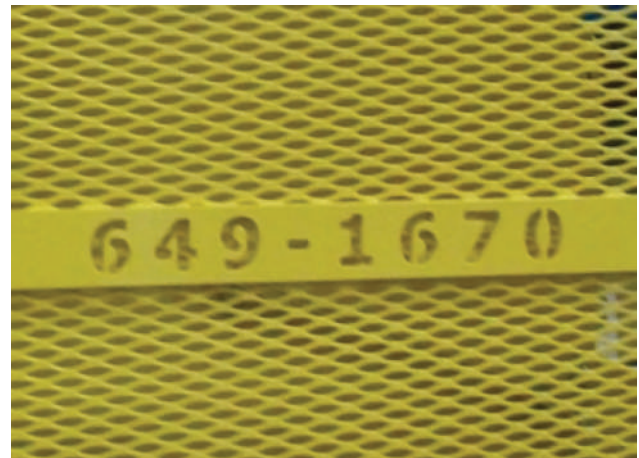
- › Bottom slots reduce build-up
- › Front guards remove for equipment maintenance
- › Enclosed design increases belt and sheave life

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability
- › Also available in stainless steel and aluminum



COMPLETELY ENCLOSED DESIGN



LASER CUT IDENTIFICATION

## NEED A QUOTE?

Please use page 36 for orientation and fill out the corresponding data sheet on pages 37 or 38.

## FEATURES AND OPTIONS

- › **Removable Front Guard:** For easy belt and sheave removal
- › **Split Body Assembly:** Easy installation of guarding without sheave removal
- › **Drainage Slots:** Reduce material build-up around belts and sheaves
- › **Shaft Covers:** Ensure all moving parts are guarded
- › **Optional Removable Top:** For easy belt adjustment and sheave removal
- › **Optional Black Mesh:** Improves visibility and allows for the use of touchless measuring devices
- › **Optional Hinges and Handles:** Improve ergonomics and accessibility

# V-BELT GUARDS

Protect your workers from exposed pinch-points around your belts, fan drives, compressors, and crushers.

## EASY TO INSTALL

- › No need to remove sheaves during installation
- › Custom fit for each application

## EASY TO MAINTAIN

- › Bottom slots reduce material build-up
- › Front guards remove for equipment maintenance
- › Enclosed design increases belt and sheave life

## BUILT TO LAST

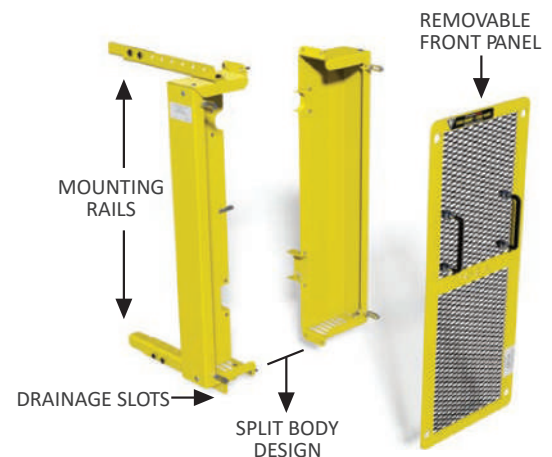
- › Heavy-duty steel construction
- › Powder coated for increased durability
- › Also available in stainless steel and aluminum



## NEED A QUOTE?

Please use page 36 for orientation and fill out the corresponding data sheet on pages 39, 40 or 42.

Laser cut identification for easy equipment referencing



## FEATURES AND OPTIONS

- › **Removable Front Guard:** For easy belt and sheave removal
- › **Split Body Assembly:** Easy installation of guarding without sheave removal
- › **Mounting Rails Included**
- › **Drainage Slots:** Reduce material build-up around belts and sheaves
- › **Optional Black Mesh:** Improves visibility and allows for the use of touchless measuring devices
- › **Optional Hinges and Handles:** Improve ergonomics and accessibility



Prevent access to exposed pinch-points on bearing and pulley applications.

## EASY TO INSTALL

- › Shipped with mounting hardware
- › Custom fit for each application

## EASY TO MAINTAIN

- › Guard removes in seconds for equipment access
- › Multiple holes to mount grease lines or auto greasers (when applicable)
- › Optional black mesh for increased visibility

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability
- › Also available in stainless steel and aluminum



## NEED A QUOTE?

Please fill out the corresponding data sheet on page 43.

1

Example of area where a bearing/box guard would be used



2

Guard installed over exposed conveyor pulley



3

Guard installed over exposed bearing



## OUR PRODUCTS ARE COMPLIANT WITH THE FOLLOWING SAFE GUARDING STANDARDS:

MSHA		OSHA		CSA	
56/57.14112	Construction and Maintenance of Guards	1910.212	Machine Guarding	6.3.3	Design and Construction of Guards
56/57.14107	Moving machine parts	1926.555	Construction Conveyors	7.4	Rotating Equipment
75.400	Moving machine parts	1917.48	Marine Terminal Conveyors	9.1.1	Guards & protective devices

Please note: Not all products comply with every standard.





# FLANGE BEARING GUARDS

Quick and easy cap guard that prevents contact with rotating shafts on flange mount bearings.

## BENEFITS OF FLANGE BEARING GUARDS

- › Easily mounts to bearing assembly
- › Access grease nipple without removing guard
- › Slots allow for inspection of shaft while equipment is running
- › Customized for a variety of flange bearing sizes
- › Durable steel construction
- › Powder coated for increased durability
- › Shipped fully assembled, ready to install

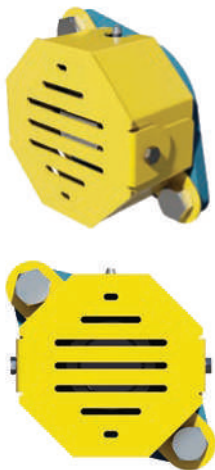


## NEED A QUOTE?

Please fill out the corresponding data sheet on page 44.

1

Two Bolt Option



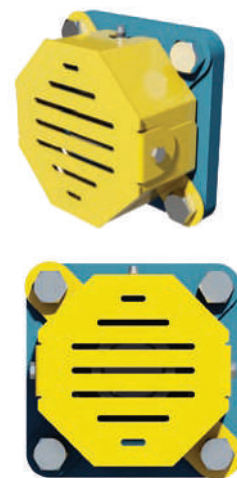
2

Three Bolt Option



3

Four Bolt Option



## OUR PRODUCTS ARE COMPLIANT WITH THE FOLLOWING SAFE GUARDING STANDARDS:

MSHA		OSHA		CSA	
56/57.14112	Construction and Maintenance of Guards	1910.212	Machine Guarding	6.3.3	Design and Construction of Guards
56/57.14107	Moving machine parts	1926.555	Construction Conveyors	7.4	Rotating Equipment
75.400	Moving machine parts	1917.48	Marine Terminal Conveyors	9.1.1	Guards & protective devices

Please note: Not all products comply with every standard.



# RETURN IDLER BASKETS - CHAIN MOUNT

Designed to prevent Return Idlers from falling on workers and equipment below.

## EASY TO INSTALL

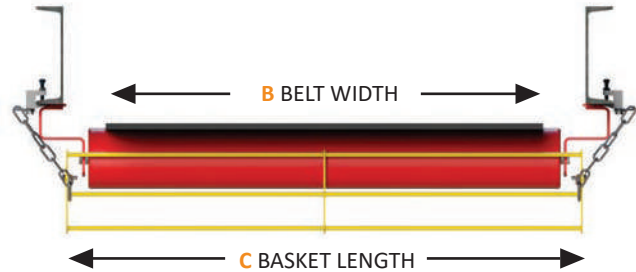
- › Attaches easily with beam-clamp assembly, includes chain & snap link
- › No welding or cutting required

## EASY TO MAINTAIN

- › Large openings eliminate build-up

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability
- › Available in stainless steel, and aluminum



**24" Baskets are used for training idlers and areas with obstructions**

12" RETURN IDLER BASKET - CHAIN MOUNT				
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT
18" Belt	71224N	12"	24.875"	8.71 lb
24" Belt	70154N	12"	30.875"	9.87 lb
30" Belt	70152N	12"	36.875"	9.68 lb
36" Belt	70155N	12"	42.875"	10.84 lb
42" Belt	70156N	12"	48.875"	11.94 lb
48" Belt	70157N	12"	54.875"	13.07 lb
54" Belt	70158N	12"	60.875"	14.82 lb
60" Belt	70159N	12"	66.875"	15.95 lb
66" Belt	71077N	12"	72.875"	18.49 lb
72" Belt	71078N	12"	78.875"	19.62 lb
78" Belt	71079N	12"	84.875"	20.75 lb
84" Belt	71080N	12"	90.875"	21.88 lb
90" Belt	71081N	12"	96.875"	23 lb
96" Belt	71082N	12"	102.875"	24.14 lb

24" RETURN IDLER BASKET - CHAIN MOUNT				
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT
18" Belt	71225N	24"	24.875"	16.25 lb
24" Belt	70160N	24"	30.875"	18.32 lb
30" Belt	70161N	24"	36.875"	20.39 lb
36" Belt	70162N	24"	42.875"	22.46 lb
42" Belt	70163N	24"	48.875"	24.53 lb
48" Belt	70164N	24"	54.875"	26.60 lb
54" Belt	70165N	24"	60.875"	29.89 lb
60" Belt	70166N	24"	66.875"	31.96 lb
66" Belt	71092N	24"	72.875"	36.71 lb
72" Belt	71093N	24"	78.875"	38.78 lb
78" Belt	71094N	24"	84.875"	40.85 lb
84" Belt	71095N	24"	90.875"	42.93 lb
90" Belt	71096N	24"	96.875"	45 lb
96" Belt	71097N	24"	102.875"	47.06 lb



# RETURN IDLER BASKETS - RIGID MOUNT

Rigid mount option eliminates vibrations on chains and serves to catch broken or shattered idlers.

## EASY TO INSTALL

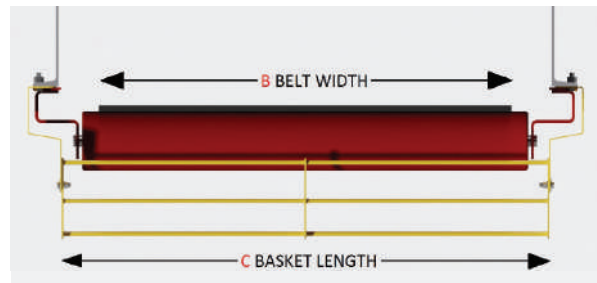
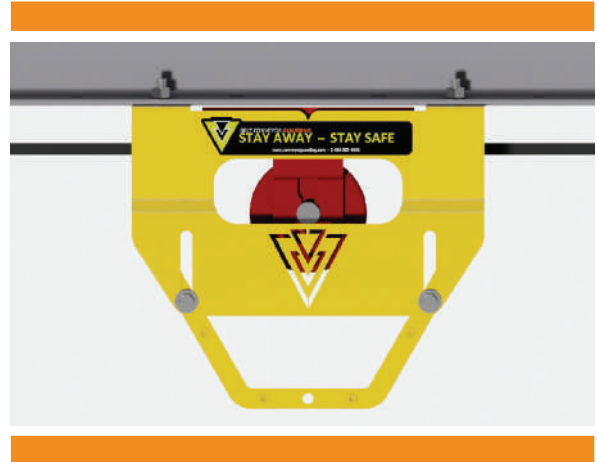
- › No welding or cutting required
- › Mounts around existing return idler bracket
- › Simply drill 4 holes and bolt to conveyor frame
- › No need to loosen idler bracket, eliminating belt tracking issues

## EASY TO MAINTAIN

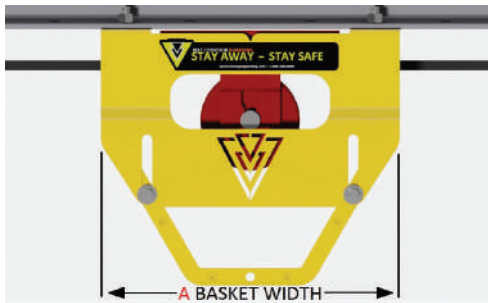
- › Large openings eliminate build-up

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability
- › Available in stainless steel, and aluminum



**24" Baskets are used for training idlers and areas with obstructions**



12" RETURN IDLER BASKET - RIGID MOUNT				
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT
18" Belt	71224R	12"	24 <sup>7</sup> / <sub>8</sub> "	13.7 lb
24" Belt	70154R	12"	30 <sup>7</sup> / <sub>8</sub> "	14.8 lb
30" Belt	70152R	12"	36 <sup>7</sup> / <sub>8</sub> "	16 lb
36" Belt	70155R	12"	42 <sup>7</sup> / <sub>8</sub> "	17.1 lb
42" Belt	70156R	12"	48 <sup>7</sup> / <sub>8</sub> "	18.2 lb
48" Belt	70157R	12"	54 <sup>7</sup> / <sub>8</sub> "	19.3 lb
54" Belt	70158R	12"	60 <sup>7</sup> / <sub>8</sub> "	20.4 lb
60" Belt	70159R	12"	66 <sup>7</sup> / <sub>8</sub> "	21.5 lb
66" Belt	71077R	12"	72 <sup>7</sup> / <sub>8</sub> "	24.5 lb
72" Belt	71078R	12"	78 <sup>7</sup> / <sub>8</sub> "	25.6 lb
78" Belt	71079R	12"	84 <sup>7</sup> / <sub>8</sub> "	26.7 lb
84" Belt	71080R	12"	90 <sup>7</sup> / <sub>8</sub> "	27.8 lb
90" Belt	71081R	12"	96 <sup>7</sup> / <sub>8</sub> "	28.9 lb
96" Belt	71082R	12"	102 <sup>7</sup> / <sub>8</sub> "	30 lb

24" RETURN IDLER BASKET - RIGID MOUNT				
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT
18" Belt	71225R	24"	24 <sup>7</sup> / <sub>8</sub> "	26.9 lb
24" Belt	70160R	24"	30 <sup>7</sup> / <sub>8</sub> "	28.9 lb
30" Belt	70161R	24"	36 <sup>7</sup> / <sub>8</sub> "	31 lb
36" Belt	70162R	24"	42 <sup>7</sup> / <sub>8</sub> "	33 lb
42" Belt	70163R	24"	48 <sup>7</sup> / <sub>8</sub> "	35.1 lb
48" Belt	70164R	24"	54 <sup>7</sup> / <sub>8</sub> "	37.2 lb
54" Belt	70165R	24"	60 <sup>7</sup> / <sub>8</sub> "	40.2 lb
60" Belt	70166R	24"	66 <sup>7</sup> / <sub>8</sub> "	42.2 lb
66" Belt	71092R	24"	72 <sup>7</sup> / <sub>8</sub> "	46.6 lb
72" Belt	71093R	24"	78 <sup>7</sup> / <sub>8</sub> "	48.7 lb
78" Belt	71094R	24"	84 <sup>7</sup> / <sub>8</sub> "	50.8 lb
84" Belt	71095R	24"	90 <sup>7</sup> / <sub>8</sub> "	52.8 lb
90" Belt	71096R	24"	96 <sup>7</sup> / <sub>8</sub> "	54.9 lb
96" Belt	71097R	24"	102 <sup>7</sup> / <sub>8</sub> "	57 lb





Designed to protect workers from being drawn into Return Idlers.

## EASY TO INSTALL

- › Mounts around existing return idler bracket
- › Simply drill 4 holes and bolt to conveyor frame
- › No need to loosen idler bracket, eliminating belt tracking issues
- › No welding or cutting required

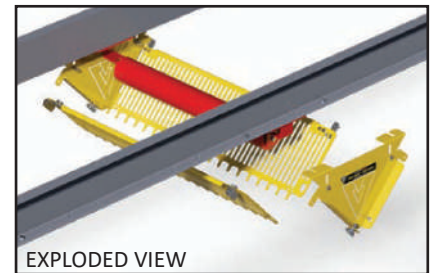
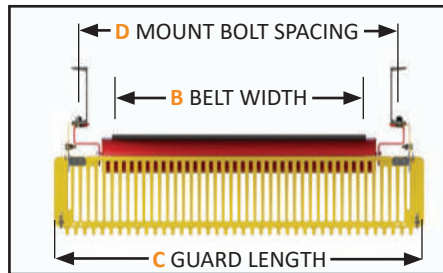
## EASY TO MAINTAIN

- › Side panels hinge open for roller or guard maintenance
- › Tapered side slots reduce material build-up

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability

Available in stainless steel or aluminum



RETURN IDLER GUARDS					
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	D (BOLT SPACING)	WEIGHT
24" Belt	71198	25"	40½"	33"	43.3 lb
30" Belt	71199	25"	46½"	39"	51.16 lb
36" Belt	71200	25"	52½"	45"	55.01 lb
42" Belt	71201	25"	58½"	51"	58.37 lb
48" Belt	71202	25"	64½"	57"	65.41 lb
54" Belt	71203	25"	70½"	63"	69.27 lb
60" Belt	71204	25"	76½"	69"	73.12 lb
66" Belt	71205	25"	82½"	75"	76.47 lb
72" Belt	71206	25"	88½"	81"	80.32 lb
78" Belt	71207	25"	94½"	87"	84.18 lb
84" Belt	71208	25"	100½"	93"	88.03 lb
90" Belt	71209	25"	106½"	99"	91.39 lb
96" Belt	71210	25"	112½"	105"	98.43 lb
102" Belt	71211	25"	118½"	111"	102.29 lb

# RETURN IDLER BELLY GUARD

Protect your workers from accessing exposed Return Idlers on the undercarriage of conveyors. Available for Standard and Mine Duty applications.

## EASY TO INSTALL

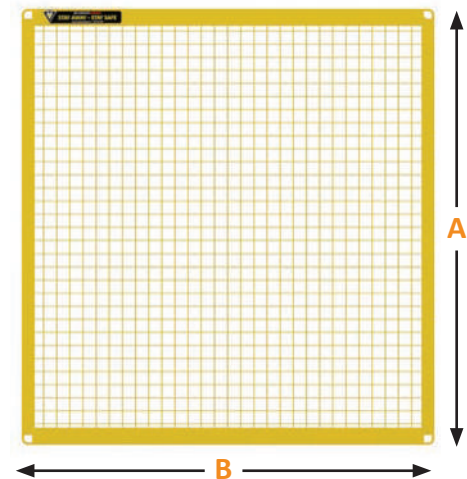
- › Attaches easily with our beam clamp assembly, includes chain & snap link
- › Standard sizes fit most conveyors

## EASY TO MAINTAIN

- › Large mesh size reduces material build-up
- › Unclip guards to service idlers or belts

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability



STANDARD DUTY BELLY GUARDS				
BELT WIDTH	PART NUMBER	A	B	WEIGHT
24" Belt	70773	35¼"	50"	28.4 lb
30" Belt	70774	41¼"	50"	31.7 lb
36" Belt	70775	47¼"	50"	35 lb
42" Belt	70772	53¼"	50"	38.3 lb
48" Belt	71083	59¼"	50"	46.4 lb
54" Belt	71084	65¼"	50"	51.8 lb
60" Belt	71085	71¼"	25"	42.4lb
66" Belt	71086	77¼"	25"	45.6 lb
72" Belt	71087	83¼"	25"	48.8 lb
78" Belt	71088	89¼"	25"	52 lb
84" Belt	71089	95¼"	25"	55.2 lb
90" Belt	71090	101¼"	25"	62.7 lb
96" Belt	71091	107¼"	25"	74.3 lb

\* Most common mesh size - 1 1/2" x 1 1/2" - 10 Gauge

MINE DUTY BELLY GUARDS			
BELT WIDTH	PART NUMBER	A	B
24" Belt	71119	35¼"	50"
30" Belt	71120	41¼"	50"
36" Belt	71121	47¼"	50"
42" Belt	71122	53¼"	50"
48" Belt	71123	59¼"	33"
54" Belt	71124	65¼"	33"
60" Belt	71125	71¼"	33"
66" Belt	71126	77¼"	33"
72" Belt	71127	83¼"	25"
78" Belt	71128	89¼"	25"
84" Belt	71129	95¼"	25"
90" Belt	71130	101¼"	25"
96" Belt	71131	107¼"	25"

\* Mesh size - 3" x 3"



Designed to prevent access to exposed Return Idlers on or around walkways and outboard rotating components.

## EASY TO INSTALL

- › Adjustable mounting brackets to ensure proper spacing
- › Mounting rail is easily notched to bypass obstructions

## EASY TO MAINTAIN

- › Removable guard for quick access to equipment

## BUILT TO LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability



## OUR PRODUCTS ARE COMPLIANT WITH THE FOLLOWING SAFE GUARDING STANDARDS:

MSHA		OSHA		CSA	
56/57.14112	Construction and Maintenance of Guards	1910.212	Machine Guarding	6.3.3	Design and Construction of Guards
56/57.14107	Moving machine parts	1926.555	Construction Conveyors	7.4	Rotating Equipment
75.400	Moving machine parts	1917.48	Marine Terminal Conveyors	9.1.1	Guards & protective devices

Please note: Not all products comply with every standard.



# HANDRAILS & GUARDRAILS

Handrails are used for guiding foot traffic or protecting workers at elevated heights.

## EASY TO INSTALL

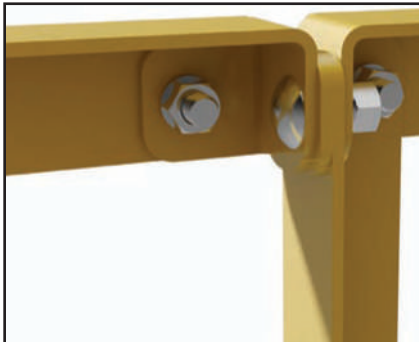
- › Modular bolt-together design
- › Legs shipped fully assembled
- › No welding or cutting required
- › Also available for stair applications
- › Standard 60" wide x 42" high sections
- › Customized lengths and corners available
- › Hardware is included

## EASY TO MAINTAIN

- › Non-tubular design allows for complete inspection
- › Easily replace damaged sections
- › Optional kickplates for increased safety

## BUILT TO LAST

- › 100% Powder Coated Safety Yellow for increased visibility
- › Other paint colors available upon request
- › All handrails have smooth surfaces and rounded contact edges
- › Also available in stainless steel or galvanized upon request



A Ladder Guard is a universal, ergonomically-friendly guard that restricts access to ladders by unauthorized operators and prevents potential health & safety risks. The guard does not require welding or drilling.

## EASY TO INSTALL

- › Can be installed or removed in seconds
- › No welding or drilling required for installation
- › Can be secured in place using supplied hardware, and includes padlock hasp for restricted access (*padlock is available*)
- › Standard size fits most applications
- › Custom sizes available upon request
- › Includes handles for improved ergonomics

## BUILT TO LAST

- › Powder coated safety yellow for durability and high visibility
- › Available in mild steel, stainless or aluminum



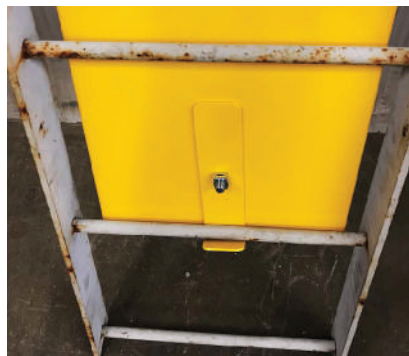
Front View

Rear View

**Please note:** a tool to remove is required to ensure compliance



**Step 1.** Hang guard on ladder



**Step 2.** Adjust and tighten the lower hook



Padlock hasp included.  
**Padlock available #71367L**

## LADDER GUARDS

DESCRIPTION	PART NUMBER	MATERIAL	COLOR	WEIGHT	WIDTH	LENGTH	UNITS INCLUDED
Ladder Guard	71376	Mild Steel	Yellow	33 lb	15"	62"	1
Ladder Guard	71376S	Stainless	Yellow	34 lb	15"	62"	1
Ladder Guard	71376A	Aluminum	Yellow	15 lb	15"	62"	1
Ladder Guard	71376AB	Aluminum	Black	15 lb	15"	62"	1
Ladder Guard	71376AG	Aluminum	Grey	15 lb	15"	62"	1
Padlock	71367L	N/A	N/A	3 lb	N/A	N/A	1



## GUARD HANGERS

Guard Hangers allow you to hang flat guard panels onto other guards or handrails for improved ergonomics and access. They solve the problem of where to put your guard when removed for maintenance.

### EASY TO USE

- › Easily installs on flat guards
- › Hang guards on other flat guard panels or handrails

### VERSATILE DESIGN

- › Use on new or existing guards
- › Improved ergonomics, especially when combined with handles
- › Unique non-slip design ensures a tight fit when hanging  
Compact design will not negatively affect any part of your equipment
- › Rubber coated for increased friction

### BUILT-TO-LAST

- › A-Coat and rubber-coated for increased durability



GUARD HANGERS		
DESCRIPTION	PART NUMBER	UNITS INCLUDED
Guard Hanger Kit	71349	2 Hangers

## CABLE TIE CADDIES

The Cable Tie Caddy organizes your cable ties and makes them readily available to workers.

### EASY TO USE

- › Attaches to the exterior of your barrier or flat guard
- › Can be secured to your guarding or any supporting structure

### BUILT-TO-LAST

- › Heavy-duty steel construction
- › Powder coated for increased durability



CABLE TIE CADDIES		
DESCRIPTION	PART NUMBER	COLOUR
Cable Tie Caddy	71326	Available in Safety Yellow or Red





Ergonomically friendly handles for easier removal and handling of guard.

#### EASY TO INSTALL

- › Universal - can be used on many applications
- › Retrofit onto existing guards

#### EASY TO MAINTAIN

- › Ergonomic design
- › Improve handling of guards
- › Mount in any direction for optimal grip position

#### BUILT TO LAST

- › Rubber coated for added comfort
- › Zinc plated for durability
- › Stainless steel option available for highly corrosive applications



RUBBER COATED HANDLES IMPROVE ERGONOMICS AND ADD COMFORT WHEN HANDLING GUARDS



HANDLES ARE EASILY MOUNTED AND ALL HARDWARE FOR MOUNTING IS PROVIDED

HANDLES		
DESCRIPTION	PART NUMBER	UNITS INCLUDED
Handle Kit	71303	2 Handles
Stainless Handle Kit	71303S	2 Stainless Steel Handles

**EACH HANDLE KIT INCLUDES TWO HANDLES AND ALL REQUIRED MOUNTING HARDWARE**

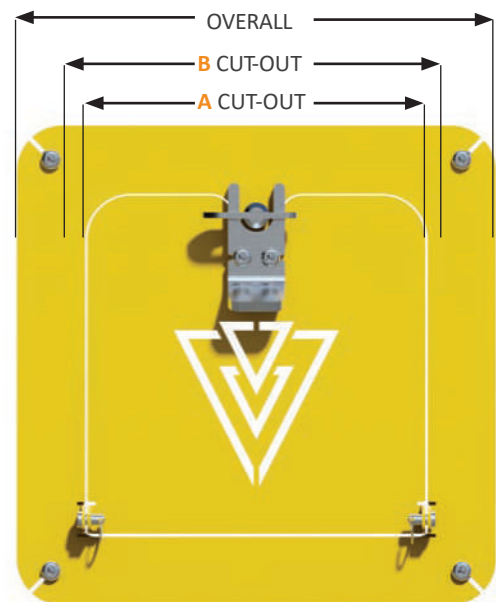
## SERVICE/INSPECTION DOORS

Gain access to areas quickly and easily. Service Doors are a great way to increase your productivity when servicing or inspecting equipment.\*

\*When equipment is properly locked and tagged, or when properly documented procedures are followed.

### BENEFITS OF SERVICE & INSPECTION DOORS

- › Reduce time involved with equipment maintenance and inspection (greasing, etc.)
- › Retrofit onto existing guards or incorporate into new guarding systems
- › Custom sizes available for various applications
- › Durable steel construction
- › Optional laser cut warnings and identification
- › Optional guide box inserts



### SERVICE/INSPECTION DOOR

DESCRIPTION	PART NUMBER	A	B	C
6" x 6"	71267	5½"	6"	8½"
8" x 8"	71268	7½"	8"	10½"
10" x 10"	71269	9½"	10"	12½"
12" x 12"	71270	11½"	12"	14½"
14" x 14"	71271	13½"	14"	16½"

### CUSTOMIZE A DOOR SPECIFICALLY FOR YOUR APPLICATION

Send us your dimensions and we will customize to suit!



Designed to visually enhance your safety procedures and guarding protocols, these signs and decals can be fastened to existing guards in order to warn of potential dangers and remind workers to stay safe. Signs are digitally printed on 3mm laminated PVC for maximum durability. Vinyl decals are laminated to resist damage and increase lifespan. Custom signs available upon request.



SIGNS & DECALS		
ITEM NAME	SIGNS 7" X 10" PART NUMBER	DECALS - 5" X 7" PART NUMBER
Danger - Lock Out	31912S	31912D
Danger - Do Not Operate	31915S	31915D
Danger - Stay Clear	31916S	31916D
Danger - Keep Clear	31917S	31917D
Danger - Exposed Conveyors	31918S	31918D
Think - Zero Injuries	31914S	31914D
Think - Before You Act	31913S	31913D
Danger - Lock Out, Tag Out, Try Out	31924S	31924D
Remember - Cable Ties	31929S	31929D

THESE SIGNS WERE DESIGNED BASED ON THE FOLLOWING ANSI STANDARDS:

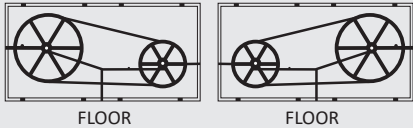
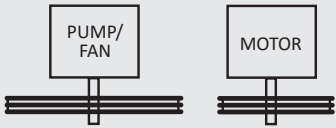
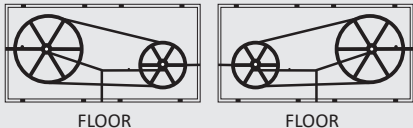

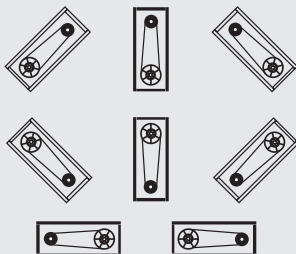
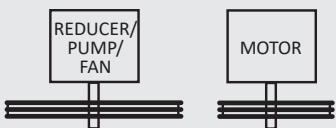
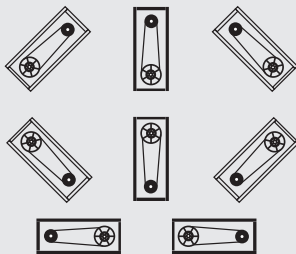

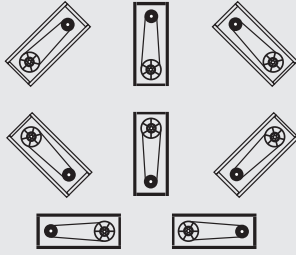
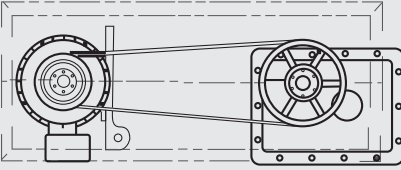
**ANSI Z535.2-2011**  
Environmental and Facility Safety Signs

**ANSI Z535.3-2011**  
Criteria for Safety Symbols





# PUMP AND V-BELT GUARD DATA SELECTION CHART

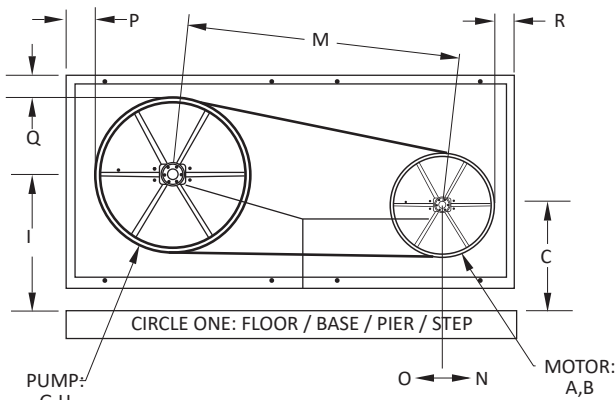
DESCRIPTION	DRIVE TYPE/ORIENTATION	MOTOR/REDUCER CONFIGURATION
<b>HORIZONTAL DRIVE FLOOR MOUNT</b> Split bottom to allow for install Use Pump Guard Data Sheet – Upright, p.37		
<b>HORIZONTAL DRIVE FLOOR MOUNT (INVERSE ORIENTATION)</b> Split bottom to allow for install Use Pump Guard Data Sheet – Inverted, p.38		
<b>BASIC V-BELT DRIVE WITH CUSTOM MOUNT</b> Use V-Belt Data Sheet – Upright, p.39		
<b>BASIC V-BELT DRIVE WITH CUSTOM MOUNT (INVERSE ORIENTATION)</b> Use V-Belt Data Sheet – Inverted, p.40		
<b>BASIC V-BELT DRIVE WITH CUSTOM MOUNT WITH PIVOT MOTOR BASE</b> Use V-Belt Data Sheet – Pivot, p.41		

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS

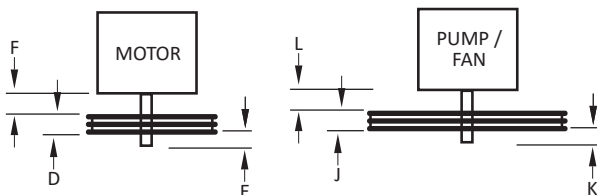


COMPANY: \_\_\_\_\_  
 CONTACT PERSON: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 EQUIPMENT #: \_\_\_\_\_

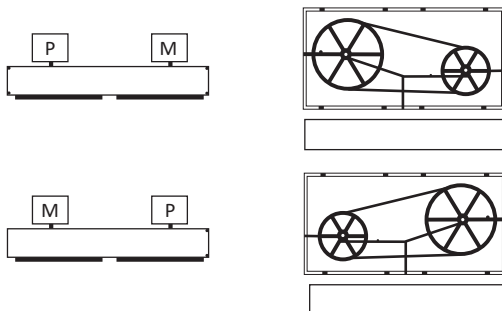
**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**



If there are obstructions, please indicate sizes and locations on sketch or additional page.



PLEASE CIRCLE WHICH ORIENTATIONS YOU REQUIRE:



How would you like to attach the guard to base of floor?

- ☐ Concrete Wedge Anchors  
☐ Welded On  
☐ Standoff/Supports

## INFORMATION REQUIRED

### MOTOR SIDE

ITEM	DIMENSION
A - Motor Sheave Diameter	
B - Motor Shaft Diameter (including keyway)	
C - Motor Shaft Center Height from Floor/Base/Pier	
D - Motor Sheave Thickness	
E - Shaft Length Extending Past Sheave	
F - Shaft Length Between Sheave and Motor	

### PUMP/FAN

ITEM	DIMENSION
G - Pump Sheave Diameter	
H - Pump Shaft Diameter (including keyway)	
I - Pump Shaft Center Height from Floor/Base/Pier	
J - Pump Sheave Thickness	
K - Shaft Length Extending Past Sheave	
L - Shaft Length Between Sheave and Motor	

### OVERALL

ITEM	PLEASE INDICATE
M - Center to Center of Shafts	
N - Motor Adjustment Right	
O - Motor Adjustment Left	
P - Obstruction within 4-1/2" of Pump Sheave	Yes/No
Q - Obstruction within 4-1/2" of Above Pump Sheave	Yes/No
R - Obstruction within 4-1/2" of Motor Sheave	Yes/No

### SPECIFY GUARD COATING COLOR

ITEM	PLEASE INDICATE
Guard Body	Yellow/Black/Other
Guard Front Mesh Panel	Yellow/Black/Other

### SPECIAL REQUIREMENTS

AREA	PLEASE INDICATE
Lubrication	Yes/No
Vibration Analysis	Yes/No
Heat Analysis	Yes/No
Speed Sensing	Yes/No
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Flammable Area	Yes/No
Lead Paint Abatement Area	Yes/No
Other	Yes/No



# PUMP GUARD DATA SHEET- INVERTED

COMPANY: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

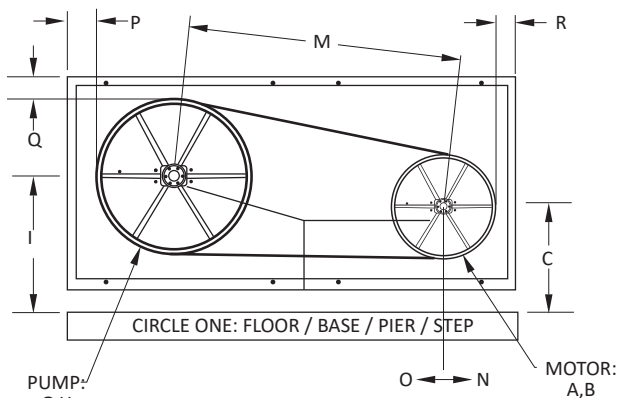
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PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

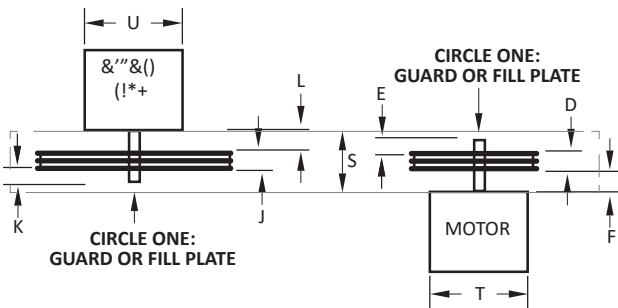
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EQUIPMENT #: \_\_\_\_\_

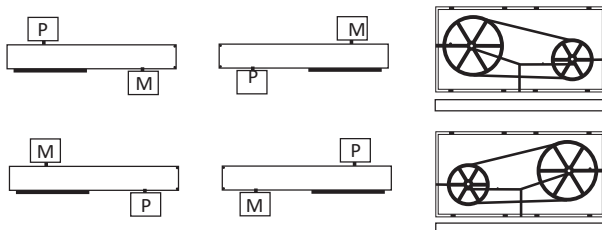
**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**



If there are obstructions, please indicate sizes and locations on sketch or additional page.



PLEASE CIRCLE WHICH ORIENTATIONS YOU REQUIRE:



How would you like to attach the guard to base of floor?

- ☐ Concrete Wedge Anchors
- ☐ Welded On
- ☐ Standoff/Supports

## INFORMATION REQUIRED

### MOTOR SIDE

ITEM	DIMENSION
A - Motor Sheave Diameter	
B - Motor Shaft Diameter (including keyway)	
C - Motor Shaft Center Height from Floor/Base/Pier	
D - Motor Sheave Thickness	
E - Shaft Length Extending Past Sheave	
F - Shaft Length Between Sheave and Motor	
T - With/Diameter of Motor	

### PUMP/FAN

ITEM	DIMENSION
G - Pump Sheave Diameter	
H - Pump Shaft Diameter (including keyway)	
I - Pump Shaft Center Height from Floor/Base/Pier	
J - Pump Sheave Thickness	
K - Shaft Length Extending Past Sheave	
L - Shaft Length Between Sheave and Motor	
U - Width of Pump/Fan	

### OVERALL

ITEM	PLEASE INDICATE
M - Center to Center of Shafts	
N - Motor Adjustment Right	
O - Motor Adjustment Left	
P - Obstruction within 4-1/2" of Pump Sheave	Yes/No
Q - Obstruction within 4-1/2" of Above Pump Sheave	Yes/No
R - Obstruction within 4-1/2" of Motor Sheave	Yes/No
S - Maximum Width/Depth of Guard Body	

### SPECIFY GUARD COATING COLOR

ITEM	PLEASE INDICATE
Guard Body	Yellow/Black/Other
Guard Front Mesh Panel	Yellow/Black/Other

### SPECIAL REQUIREMENTS

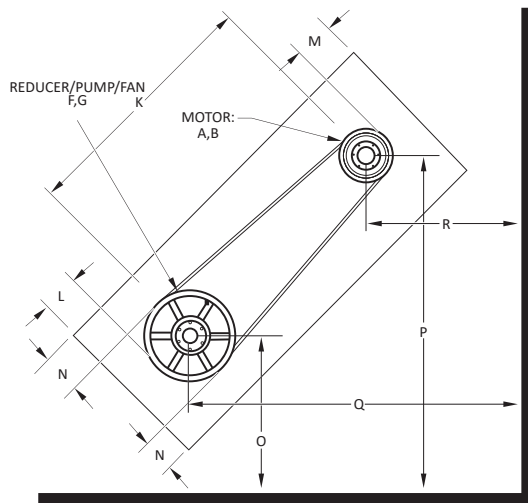
AREA	PLEASE INDICATE
Lubrication	Yes/No
Vibration Analysis	Yes/No
Heat Analysis	Yes/No
Speed Sensing	Yes/No
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Flammable Area	Yes/No
Lead Paint Abatement Area	Yes/No
Other	Yes/No



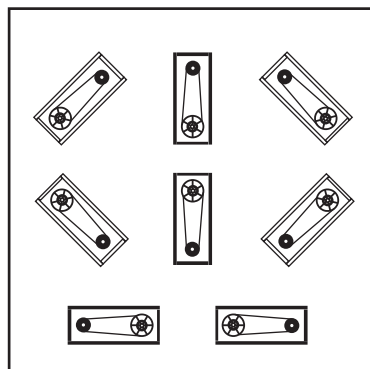
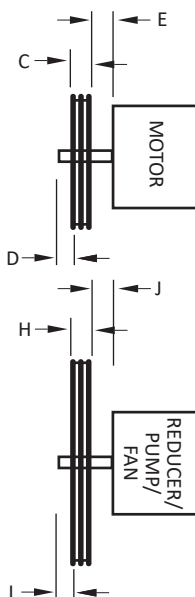


COMPANY: \_\_\_\_\_  
 CONTACT PERSON: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 EQUIPMENT #: \_\_\_\_\_

**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**



If there are obstructions, please indicate sizes, locations, and the distances from sheave(s) on the above sketch or additional page.



Please circle the correct orientation of your equipment and indicate top location

## INFORMATION REQUIRED

### MOTOR SIDE

ITEM	DIMENSION
A - Motor Sheave Diameter	
B - Motor Shaft Diameter (including keyway)	
C - Motor Sheave Thickness	
D - Shaft Length Extending Past Sheave	
E - Shaft Length Between Sheave and Motor	

### REDUCER/PUMP/FAN

ITEM	DIMENSION
F - Reducer Sheave Diameter	
G - Reducer Shaft Diameter (including keyway)	
H - Reducer Sheave Thickness	
I - Shaft Length Extending Past Sheave	
J - Shaft Length Between Sheave and Reducer	

### OVERALL

ITEM	PLEASE INDICATE
K - Center to Center of Shafts	
L - Obstruction within 4-1/2" of Reducer Sheave	Yes/No
M - Obstruction within 4-1/2" of Motor Sheave	Yes/No
N - Obstruction within 4-1/2" of Largest Sheave	Yes/No
Speed Reducer	

### EXTRA INFORMATION

ITEM	PLEASE INDICATE
O - Distance to Reducer Sheave Obstruction	
P - Distance to Motor Sheave Obstruction	
Q - Distance to Reducer Sheave Obstruction	
R - Distance to Motor Sheave Obstruction	

### SPECIFY GUARD COATING COLOR

ITEM	PLEASE INDICATE
Guard Body	Yellow/Black/Other
Guard Front Mesh Panel	Yellow/Black/Other

### SPECIAL REQUIREMENTS

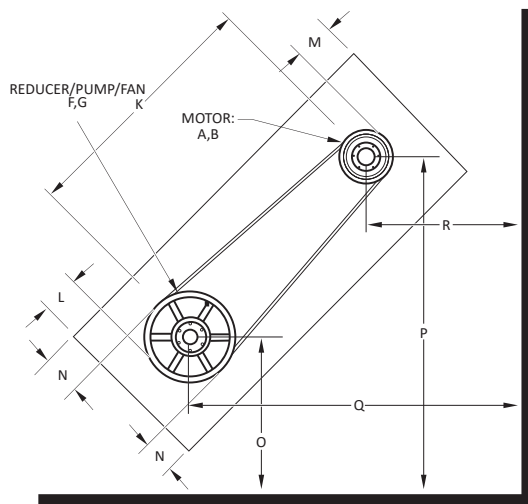
AREA	PLEASE INDICATE
Lubrication	Yes/No
Vibration Analysis	Yes/No
Heat Analysis	Yes/No
Speed Sensing	Yes/No
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Flammable Area	Yes/No
Lead Paint Abatement Area	Yes/No
Other	Yes/No



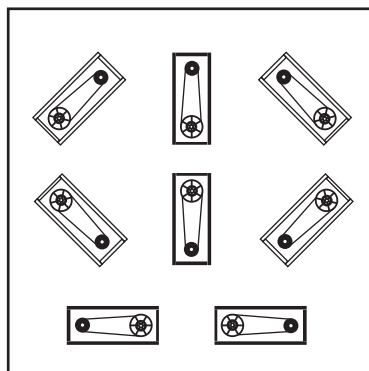
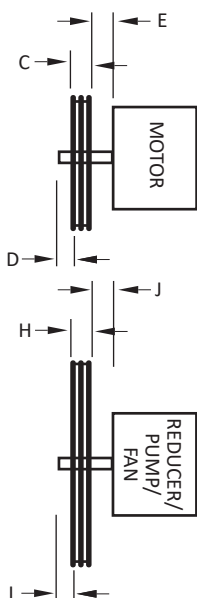
# V-BELT GUARD DATA SHEET- INVERTED

COMPANY: \_\_\_\_\_  
 CONTACT PERSON: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 EQUIPMENT #: \_\_\_\_\_

**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**



If there are obstructions, please indicate sizes, locations, and the distances from sheave(s) on the above sketch or additional page.



Please circle the correct orientation of your equipment and indicate top location

## INFORMATION REQUIRED

### MOTOR SIDE

ITEM	DIMENSION
A - Motor Sheave Diameter	
B - Motor Shaft Diameter (including keyway)	
C - Motor Sheave Thickness	
D - Shaft Length Extending Past Sheave	
E - Shaft Length Between Sheave and Motor	

### REDUCER/PUMP/FAN

ITEM	DIMENSION
F - Reducer Sheave Diameter	
G - Reducer Shaft Diameter (including keyway)	
H - Reducer Sheave Thickness	
I - Shaft Length Extending Past Sheave	
J - Shaft Length Between Sheave and Reducer	

### OVERALL

ITEM	PLEASE INDICATE
K - Center to Center of Shafts	
L - Obstruction within 4-1/2" of Reducer Sheave	Yes/No
M - Obstruction within 4-1/2" of Motor Sheave	Yes/No
N - Obstruction within 4-1/2" of Largest Sheave	Yes/No
Speed Reducer	Yes/No

### EXTRA INFORMATION

ITEM	PLEASE INDICATE
O - Distance to Reducer Sheave Obstruction	
P - Distance to Motor Sheave Obstruction	
Q - Distance to Reducer Sheave Obstruction	
R - Distance to Motor Sheave Obstruction	
S - Maximum Width/Depth of Guard Body	

### SPECIFY GUARD COATING COLOR

ITEM	PLEASE INDICATE
Guard Body	Yellow/Black/Other
Guard Front Mesh Panel	Yellow/Black/Other

### SPECIAL REQUIREMENTS

AREA	PLEASE INDICATE
Lubrication	Yes/No
Vibration Analysis	Yes/No
Heat Analysis	Yes/No
Speed Sensing	Yes/No
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Flammable Area	Yes/No
Lead Paint Abatement Area	Yes/No
Motor Adjustments in/out (+/-)	
Other	



COMPANY: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

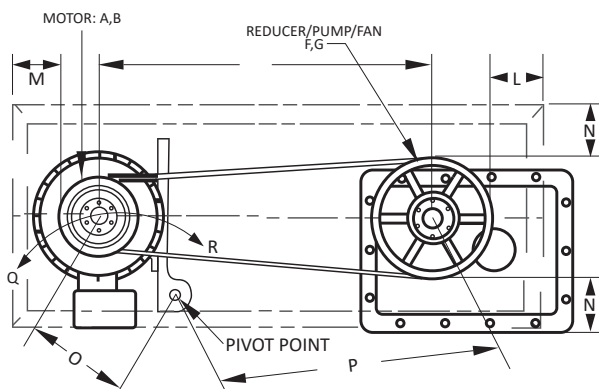
LOCATION: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

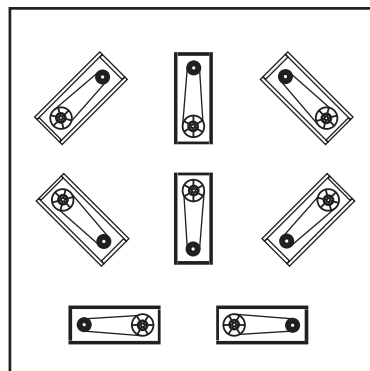
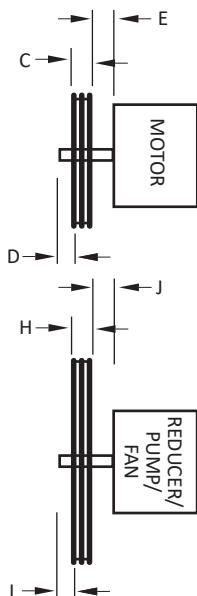
EMAIL: \_\_\_\_\_

EQUIPMENT #: \_\_\_\_\_

**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**



If there are obstructions, please indicate sizes, locations, and the distances from sheave(s) on the above sketch or additional page.



Please circle the correct orientation of your equipment and indicate top location

## INFORMATION REQUIRED

### MOTOR SIDE

ITEM	DIMENSION
A - Motor Sheave Diameter	
B - Motor Shaft Diameter (including keyway)	
C - Motor Sheave Thickness	
D - Shaft Length Extending Past Sheave	
E - Shaft Length Between Sheave and Motor	

### REDUCER/PUMP/FAN

ITEM	DIMENSION
F - Reducer/Pump/Fan Sheave Diameter	
G - Reducer/Pump/Fan Shaft Diameter (with keyway)	
H - Reducer/Pump/Fan Sheave Thickness	
I - Shaft Length Extending Past Sheave	
J - Shaft Length Between Sheave and Reducer/Pump/Fan	

### OVERALL

ITEM	PLEASE INDICATE
K - Center to Center of Shafts	
L - Obstruction within 4-1/2" of Reducer Sheave	Yes/No
M - Obstruction within 4-1/2" of Motor Sheave	Yes/No
N - Obstruction within 4-1/2" of Largest Sheave	Yes/No
Speed Reducer	Yes/No

### EXTRA INFORMATION

ITEM	PLEASE INDICATE
O - Distance from Motor to Pivot	
P - Distance from Reducer to Pivot	
Q - Adjustment Up	
R - Adjustment Down	

### SPECIFY GUARD COATING COLOR

ITEM	PLEASE INDICATE
Guard Body	Yellow/Black/Other
Guard Front Mesh Panel	Yellow/Black/Other

### SPECIAL REQUIREMENTS

AREA	PLEASE INDICATE
Lubrication	Yes/No
Vibration Analysis	Yes/No
Heat Analysis	Yes/No
Speed Sensing	Yes/No
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Flammable Area	Yes/No
Lead Paint Abatement Area	Yes/No
Other	



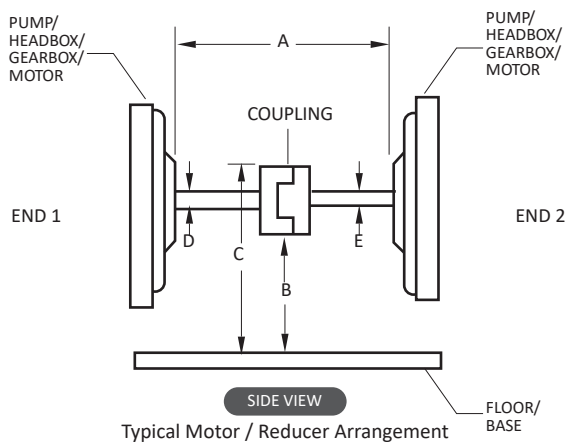


# COUPLING GUARD DATA SHEET

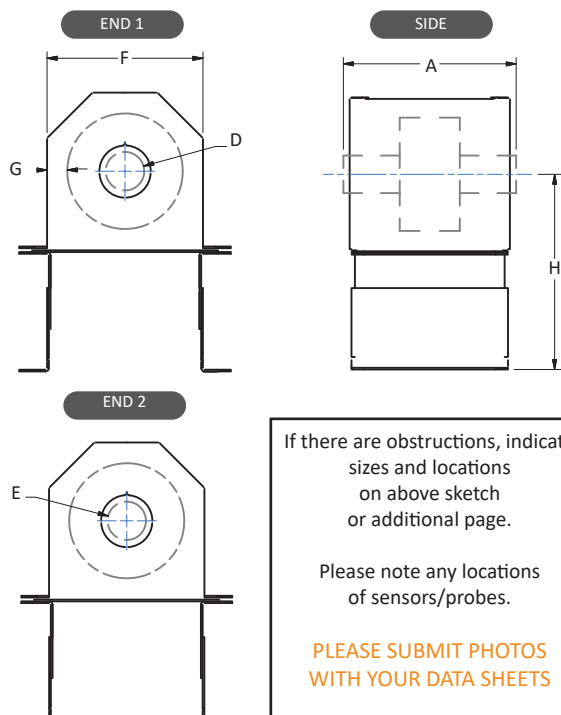
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 CONTACT PERSON: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 EQUIPMENT #: \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_

**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**

## FOR USE WHEN THERE IS NO GUARD IN PLACE



## FOR USE WHEN THERE IS AN EXISTING GUARD IN PLACE



If there are obstructions, indicate sizes and locations on above sketch or additional page.

Please note any locations of sensors/probes.

**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**

## INFORMATION REQUIRED

### MOTOR SIDE

ITEM	DIMENSION
A - Distance Between Motors/Gearboxes	
B - Height From Floor/Base to Bottom of Coupling	
C - Height From Floor/Base to Top of Coupling	
D - Shaft Diameter (End 1, Including keyway)	
E - Shaft Diameter (End 2, Including keyway)	
F - Overall Width of Guard	
G - Distance From Coupling to Guard	
H - Height From Floor/Base to Centerline of Shaft	

### SPECIAL REQUIREMENTS

AREA	PLEASE INDICATE
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Fluid Coupling	Yes/No
Other	Yes/No

How would you like to attach the guard to base or floor?

☐ Concrete Anchors ☐ Welded On ☐ J-bolts



EXAMPLES OF OBSTRUCTIONS THAT WE WOULD NEED TO KNOW ABOUT

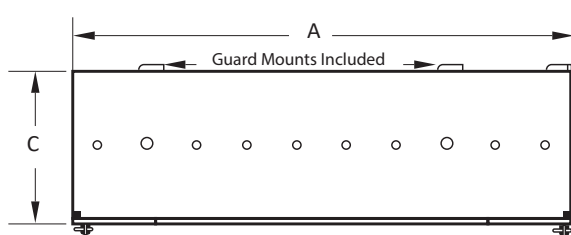
## OTHER NOTES/SKETCHES



# PILLOW BLOCK BEARING GUARD DATA SHEET

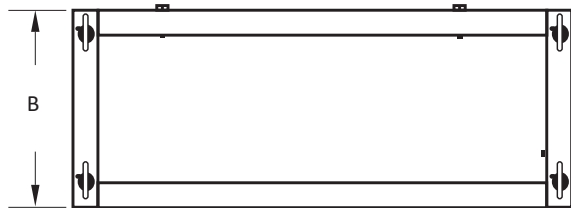
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 EQUIPMENT #: \_\_\_\_\_

**PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS**

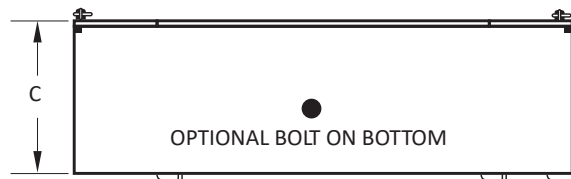


TOP VIEW

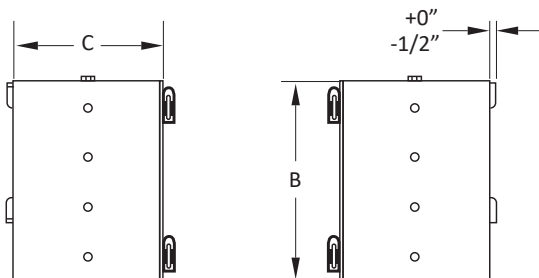
If there are obstructions, indicate sizes and locations.



FRONT VIEW



BOTTOM VIEW



SIDE VIEW

## INFORMATION REQUIRED

ITEM	DIMENSION
A - Width of Bearing Guard	
B - Height of Bearing Guard	
C - Depth of Bearing Guard	
D - Shaft Diameter (End 1, Including keyway)	
Do you require a bottom?	Yes/No
Do you require drainage slots in bottom?	Yes/No

## SPECIFY GUARD COATING COLOR

ITEM	PLEASE INDICATE
Guard Body	Yellow/Black/Other
Guard Front Mesh Panel	Yellow/Black/Other

## SPECIAL REQUIREMENTS

AREA	PLEASE INDICATE
Lubrication	Yes/No
Vibration Analysis	Yes/No
Heat Analysis	Yes/No
Speed Sensing	Yes/No
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Flammable Area	Yes/No
Lead Paint Abatement Area	Yes/No
Other	

Please select appropriate mesh size:

- ☐ **SMALL MESH** -When guard is 1/2" or greater away from pinch point/rotating part
- ☐ **REGULAR MESH** - When guard is 3 1/2" or greater away from pinch point/rotating part
- ☐ **LARGE MESH** - When guard is 6 1/2" or greater away from pinch point/rotating part

*Please Note: For situations with complex modifications, customers are asked to contact **BELT CONVEYOR GUARDING** to ensure relevant information is received.*

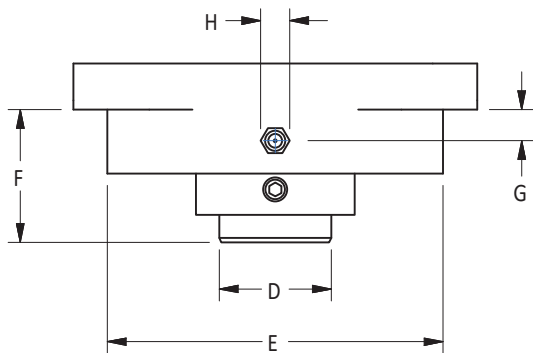
*Typically, Bearing Guards have an open back and a removable front panel/guard. Please make note if special circumstances/requirements need to be considered (back, panels, etc.)*



# FLANGE BEARING GUARD DATA SHEET

COMPANY: \_\_\_\_\_  
 CONTACT PERSON: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 EQUIPMENT #: \_\_\_\_\_

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



## INFORMATION REQUIRED

ITEM	DIMENSION
A - Bolt Centers (Square)	
B - Bolt Centers (Across)	
C - Bolt Diameter	
D - Shaft Diameter	
E - Largest Case Diameter	
F - Mount Face to End of Shaft	
G - Distance to Nipple	
H - Diameter of Nipple	

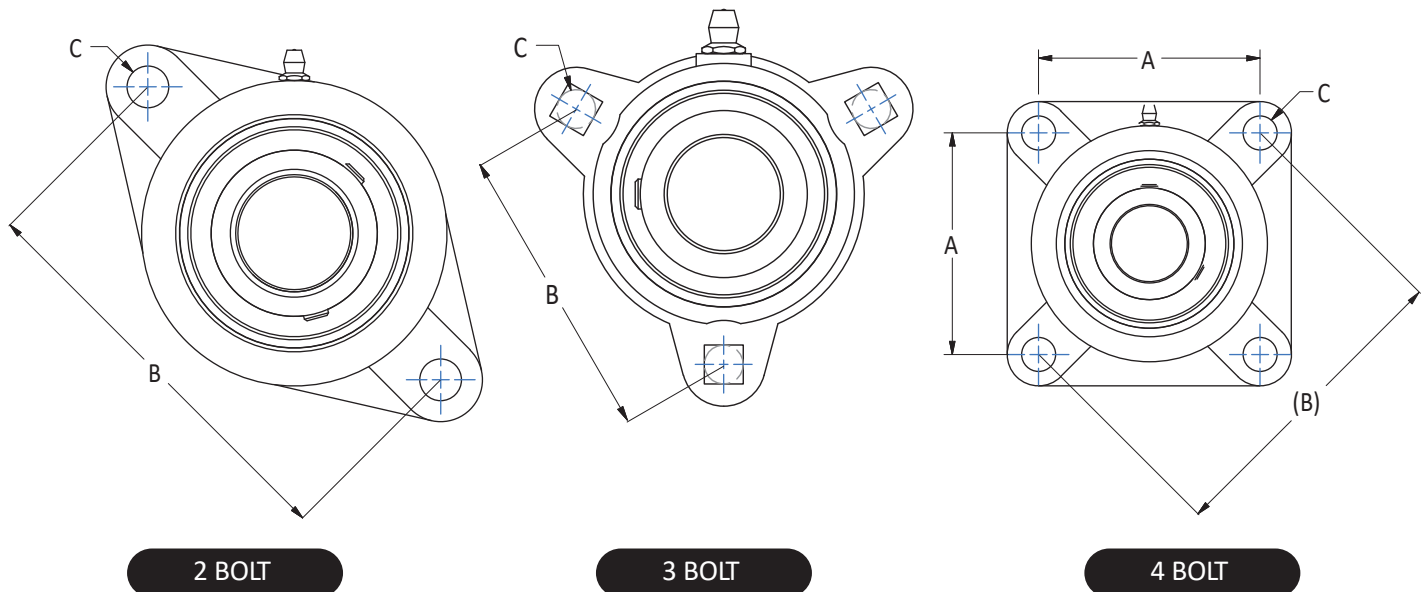
### OTHER DATA (IF KNOWN)

Bearing Type	
Manufacturer	
Model #	

## SPECIAL REQUIREMENTS

AREA	PLEASE INDICATE
Lubrication	Yes/No
Vibration Analysis	Yes/No
Heat Analysis	Yes/No
Speed Sensing	Yes/No
Over-Heating Concerns	Yes/No
Corrosive Area	Yes/No
Flammable Area	Yes/No
Lead Paint Abatement Area	Yes/No
Other	

Please circle correct bolt pattern you require



2 BOLT

3 BOLT

4 BOLT

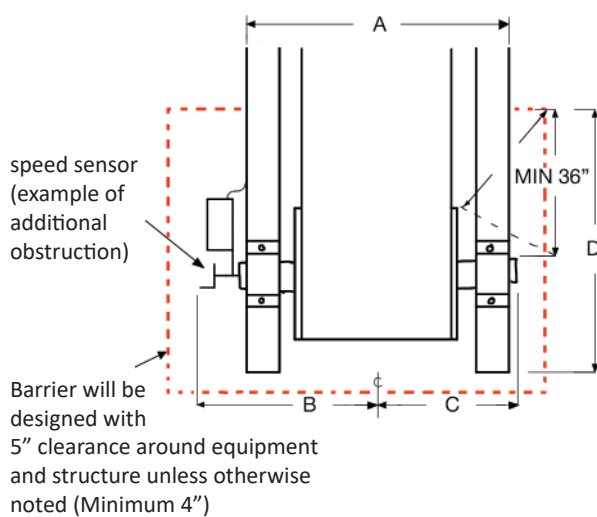




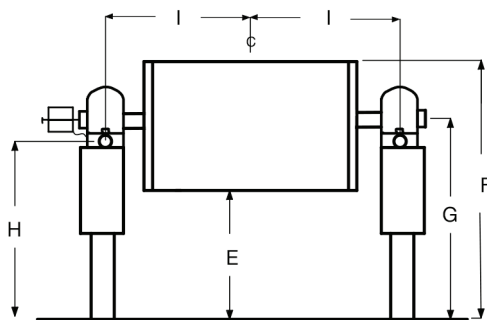
COMPANY: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
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 AREA: \_\_\_\_\_  
 EQUIPMENT #: \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS

TOP VIEW OF TAIL SECTION



END VIEW OF TAIL SECTION



If there are obstructions, indicate sizes and locations  
on above sketch or additional page.

Please note any locations of sensors/probes.

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS.

*\*It is the responsibility of end user to ensure that all possible obstructions are  
accounted for and all measurements and dimensions are accurate.*

## INFORMATION REQUIRED

ITEM	DIMENSION
A - Width of Conveyor Frame	
B - Width From Center to Farthest Point (Left Side)	
C - Width From Center to Farthest Point (Right Side)	
D - Length From end to 36" Past Hazard	
E - Height to Lowest Rotating Hazard	
F - Height To Tallest Rotating Hazard	
G - Height to Center of Tail Pulley Shaft	
H - Height to Tracking Adjustment Bolts	
I - Width From Center to Tracking Adjustment Bolts	

## GUARD HEIGHT

STANDARD

NON-STANDARD

75" ☐

81" ☐

Other: \_\_\_\_\_

## SPECIAL REQUIREMENTS

AREA	PLEASE INDICATE
Pull Cable Eyes	Yes/No
Handles	Yes/No
Corrosive Environment	Yes/No
Black Mesh	Yes/No
Other	

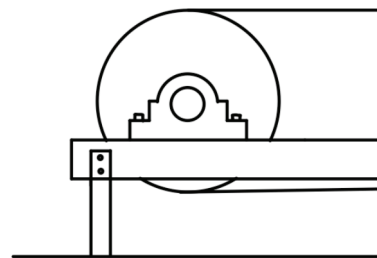
How would you like to attach the guard to base or floor?

☐ Concrete Anchors

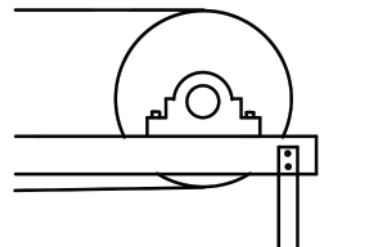
☐ Welded On

☐ J-Bolts

RIGHT VIEW OF TAIL SECTION



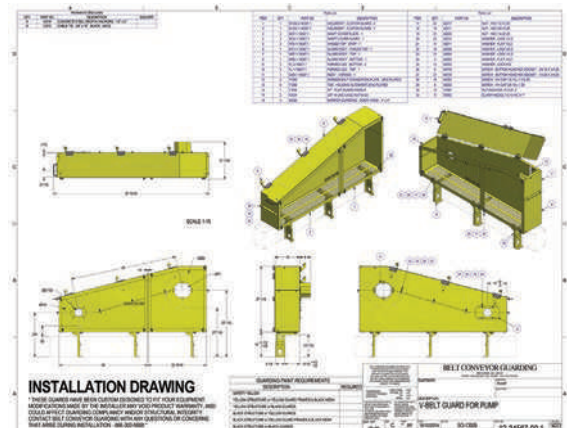
LEFT VIEW OF TAIL SECTION



# PARTS IDENTIFICATION

WITH EACH GUARDING SYSTEM, WE SUPPLY DRAWINGS THAT OUTLINE EACH COMPONENT OF THE SYSTEM AND CORRESPONDING IDENTIFICATION ON THE COMPONENTS.

- › Removable guards are affixed with weight labels for safety during installation and maintenance
- › Easy identification for future replacement parts
- › Convenient for maintenance crews and technicians
- › Efficient equipment referencing
- › Most components are labeled for ease of installation
- › UV protected and water resistant



WEIGHT LABEL



LASER CUT IDENTIFICATION



PART LABEL

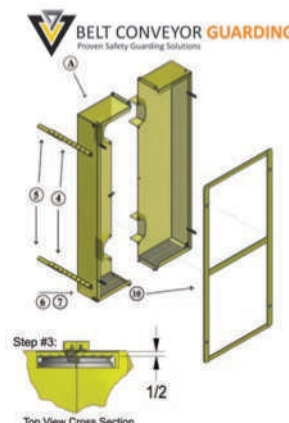


# ASSEMBLY AND INSTALLATION

EACH GUARDING SYSTEM IS SUPPORTED BY GENERAL INSTALLATION DRAWINGS AND INSTRUCTIONS. WE ARE CONTINUALLY IMPROVING THE ADJUSTABILITY OF OUR SAFETY GUARDING TO IMPROVE VERSATILITY AND TO ACCOMMODATE VARIOUS SITUATIONS FOR INSTALLATIONS.

## WHAT'S IN THE BOX OR ON THE SKID?

- › Detailed Drawings
- › Parts List
- › General Installation Instructions
- › Loose installation hardware
- › Guarding parts



## V-Belt Guard Installation Instructions

Tools Required	Hardware List
Welder	V-belt guard left side with wedge clamps
Cut off torch/shear saw	V-belt guard right side with wedge clamps
Clamps	Front guard panel
Bandset	Mounting angles
Socket	Nuts, Bolts and Lock Washers
3/4" and 9/16" wrenches	Tie wraps
Pin or marker	
Hand drill	
7/16" drill bit	

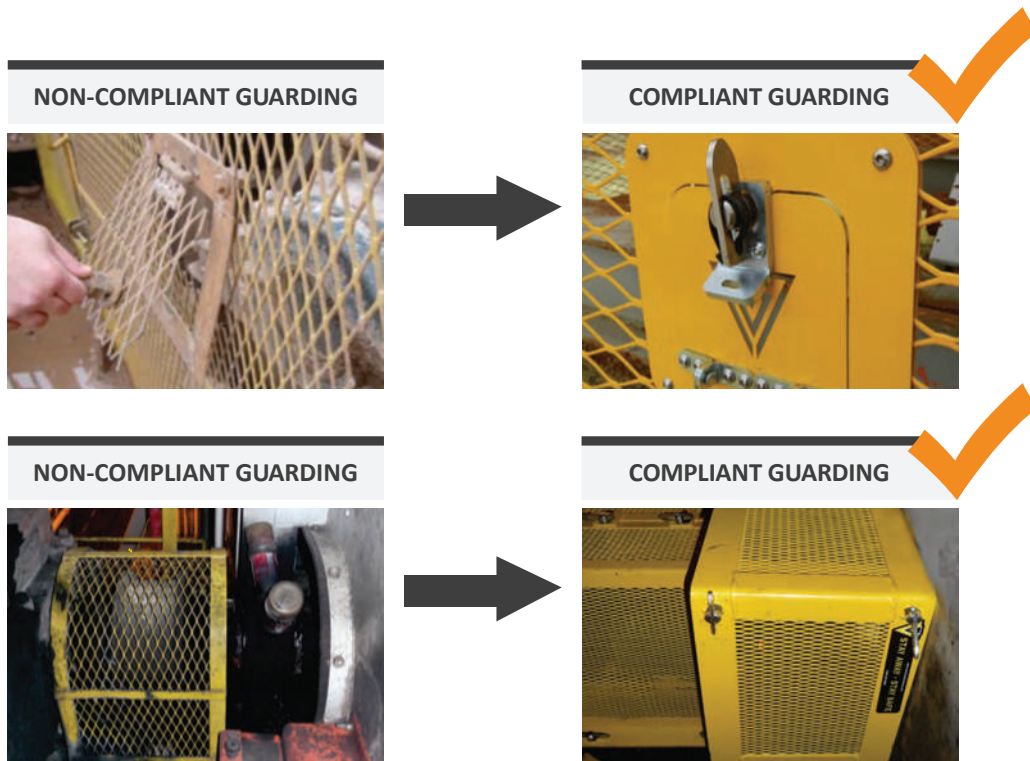
### Installation

1. Lock out and tag out machinery.
2. Assemble 'Guard Body A' around sheaves with slots on bottom for drainage.
3. Clamp the guard to the sheave ensuring 1/2" clearance between guard body and sheaves.
4. Clamp mounting angles to same side of guard body and adjust length to contact equipment component (ie. head box/conveyor/motor mount). Fit to desired length. Do not attach mount angles to adjustable motor base.
5. Weld mounting angles to secure equipment.
6. Drill holes through mount angles through side of guard body.
7. Bolt mount angles to guard body.
8. Bolt guard body together.
9. Rotate sheave to ensure there is no contact with guard.
10. Install front guard panel.
11. Install tie wraps.



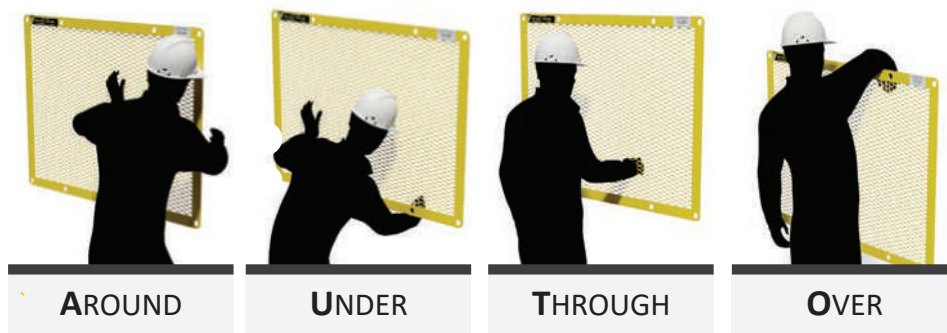
## ARE YOUR SAFETY GUARDS COMPLIANT?

SERIOUS THOUGHT AND PLANNING CONTRIBUTES TO THE ERGONOMIC DESIGN OF A COMPLIANT SAFETY GUARDING SYSTEM. ACHIEVING EFFICIENT SOLUTIONS TO PROTECT YOUR WORKERS AND MAINTAIN COMPLIANCE SHOULD BE A TOP PRIORITY.



Although there are many detailed rules and regulations surrounding safety guarding compliance, it all starts with one basic question:

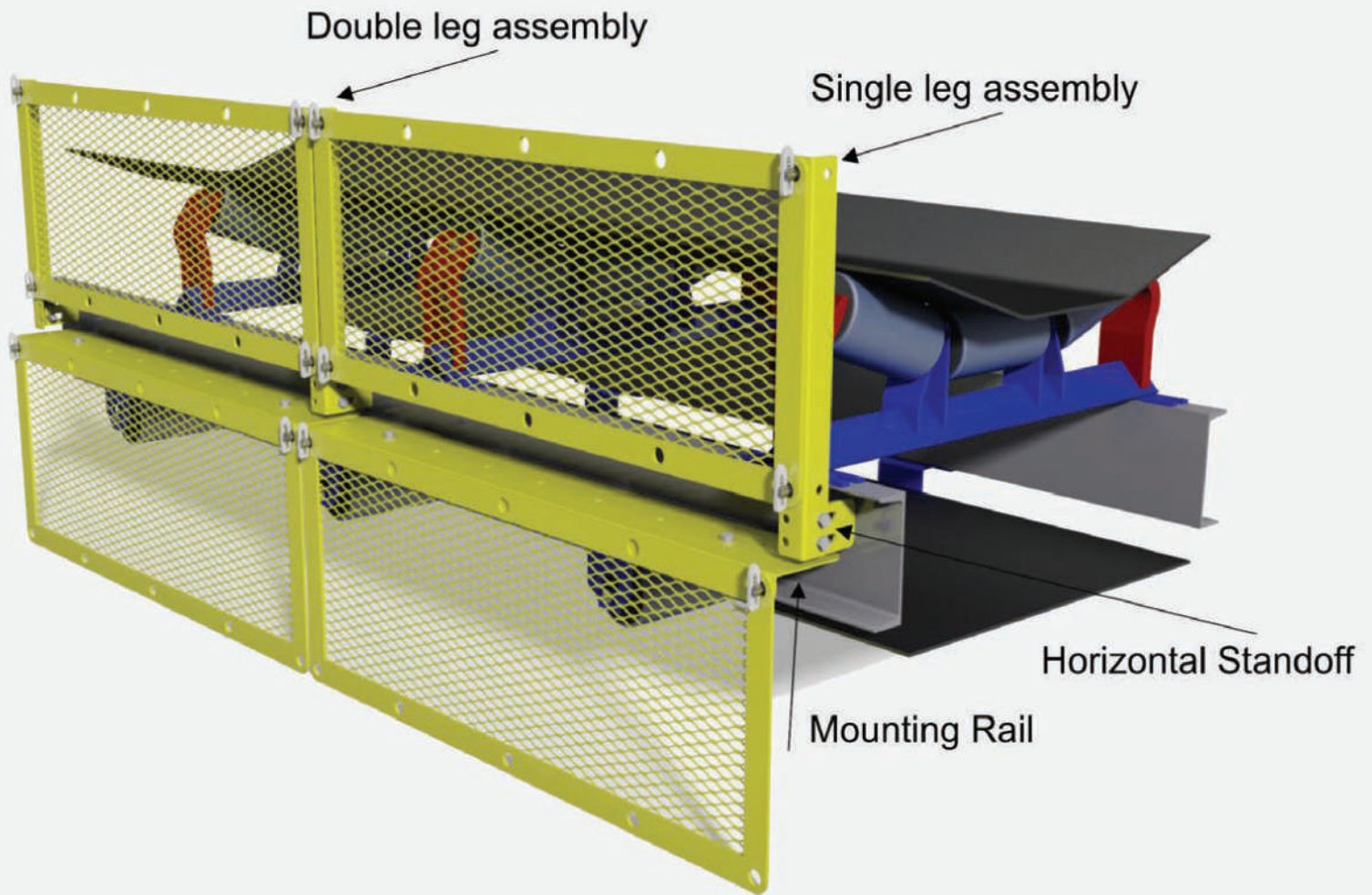
IS IT POSSIBLE TO REACH **A**ROUND, **U**NDER, **T**HROUGH OR **O**VER (AUTO)  
YOUR GUARDING AND CONTACT THE HAZARD?



IF THE ANSWER IS **YES** - YOUR GUARDING IS NOT COMPLIANT. WE ARE HERE TO HELP YOU!

**STAY AWAY - STAY SAFE**





# SAFETY GUARDING SOLUTIONS

GUARD IT RIGHT ☒ SAVE A LIFE



**BELT CONVEYOR GUARDING**  
Proven Safety Guarding Solutions

1-866-300-6668 | [safety@conveyorguarding.com](mailto:safety@conveyorguarding.com)  
[www.conveyorguarding.com](http://www.conveyorguarding.com)