



SAFETY GUARDING SOLUTIONS

STAY AWAY - STAY SAFE



BELT CONVEYOR GUARDING
Proven Safety Guarding Solutions



BELT CONVEYOR GUARDING is the industry leader in designing and manufacturing safety guarding solutions that have proven to assist in eliminating workplace injuries. Our complete line of customized products and services provide the highest levels of safety, quality, and innovation available on the market. Benefits include:

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

Along with an extensive range of safety products, Belt Conveyor Guarding offers Safety Guarding Assessments. Guarding Assessments have been designed to identify areas of risk, identify relevant infractions, and propose detailed solutions that are compliant with industry standards. They are beneficial and convenient for companies that don't have the time and/or resources to undertake an internal safety audit. We will send in a safety technician to assess your facility and present you with a detailed report highlighting areas of concern. As each company has different needs and objectives, we offer different levels of assessments to make certain you get what you require.

Belt Conveyor Guarding is proud to be the only full service safety guarding company in North America and continues to develop leading edge products and services.



BELT CONVEYOR GUARDING

Toll Free: 1-866-300-6668 | Fax: 1-705-725-8835

safety@conveyorguarding.com

www.conveyorguarding.com

OUR PRODUCTS ARE COMPLIANT WITH THE FOLLOWING SAFE GUARDING STANDARDS:

MSHA		OSHA		CSA	
56/57.14110	Flying or falling material	1910.219	Mechanical power transmission apparatus	6.3.3.2.2	Requirements for fixed guards
56/57.14112	Guard construction	1926.555	Conveyor passes over employee	7.4	Rotating shafts, spindles, couplings
56/57.14107	Moving machine parts	1917.48	Danger zone adjacent to conveyor	9.1.1	Guards & protective devices
75.1722	Mechanical equipment guards				

Please note: Not all products comply with every standard



GENERAL GUARDING DATA	EXPECT EXCEPTIONAL SERVICE	4
	ROI & MAINTENANCE	5
	SAFETY GAUGE	6
	MESH SIZE & TYPES	7
RISK ASSESSMENTS	SAFETY GUARDING ASSESSMENT	8
	RISK MATRIX	9
GUARDING FASTENERS	WEDGE CLAMPS	10
	LOCKING WEDGE CLAMPS	11
MULTI-PURPOSE GUARDING	FLAT GUARDS	12
	FLAT GUARD MOUNTING OPTIONS	13/14
	MODULAR BARRIER GUARDS	15
	GRINDING MILL GUARDS	16
	ROLLING SAFETY GATES	17
DRIVE GUARDS	COUPLING GUARDS	18
	PUMP GUARDS	19
	V-BELT GUARDS	20
ROTATING SHAFT GUARDS	PILLOW BLOCK BEARING GUARDS	21
	FLANGE BEARING GUARDS	22
RETURN IDLER BASKETS	RETURN IDLER BASKETS - CHAIN MOUNT	23
	RETURN IDLER BASKETS - RIGID MOUNT	24
RETURN IDLER GUARDS	RETURN IDLER GUARDS	25
	RETURN IDLER BELLY GUARDS	26
	RETURN IDLER SIDE GUARDS	27
ACCESSORIES	GUARD HANGERS & CABLE TIE CADDIES	28
	HANDLES	29
	HANDRAILS	30
	SERVICE/INSPECTION DOORS	31
	SIGNS & DECALS	32
DATA SHEETS	PUMP & V-BELT GUARD DATA SHEET SELECTION CHART	33
	PUMP GUARD DATA SHEETS	34/35
	V-BELT GUARD DATA SHEETS	36/37/38
	COUPLING GUARD DATA SHEET	39
	PILLOW BLOCK BEARING GUARD DATA SHEET	40
	FLANGE BEARING GUARD DATA SHEET	41
GENERAL GUARDING DATA	PARTS IDENTIFICATION / ASSEMBLY & INSTALLATION	42
	COMPLIANT GUARDING SYSTEMS	43



EXPECT EXCEPTIONAL SERVICE

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

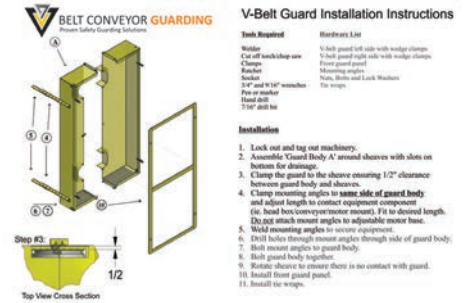
- An itemized list of guards required, along with the cost.
- A map, if applicable, that shows where the guards go.
- Installation instructions once order is placed.

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.
- Your shipment will be tracked and we will confirm proof of delivery.
- You will be notified by email when your order ships, along with freight details, tracking information and estimated date of arrival.
- We offer installation support. We want you to have a smooth installation process and be happy with your guarding project.

ANYTHING WE CAN DO TO HELP – WE WILL.

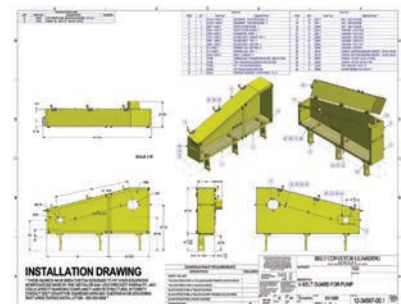
INSTRUCTIONS



LABELLED COMPONENTS



DRAWINGS



WEIGHT LABEL

**THIS GUARD PANEL
WEIGHS APPROXIMATELY
33 LBS
WORK SAFE**



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



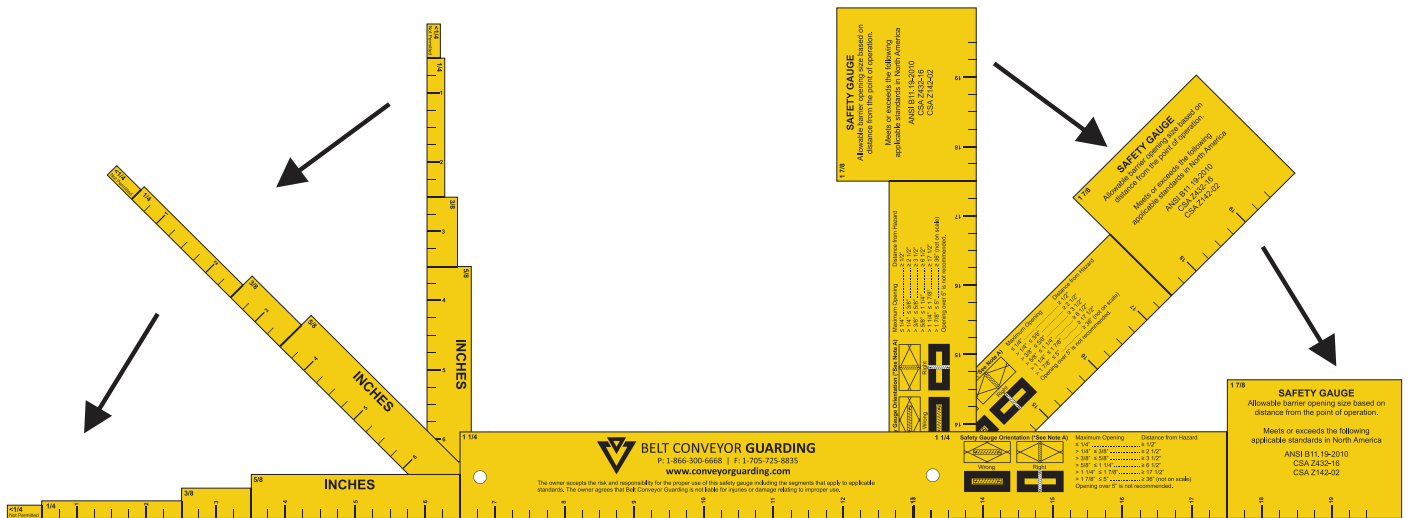
SAFETY GAUGE

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**) the guarding.

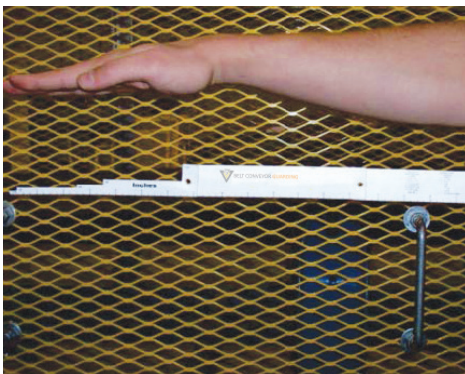
The guarding should comply with North American standards such as ANSI (American National Standards Institute) and CSA (Canadian Standards Association).

SAFETY GAUGE



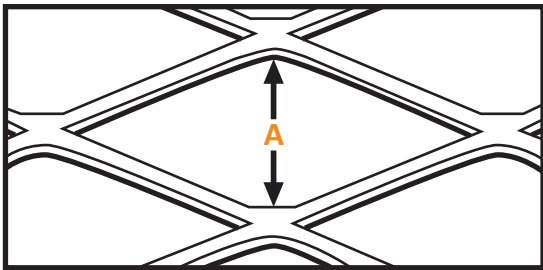
HOW TO USE OUR SAFETY GAUGE

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.



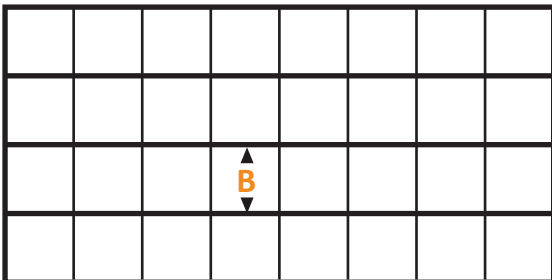
Expanded metal and welded wire mesh play an integral role in the safety and compliance of our guarding solutions. Below are examples of standard and custom sizes we use.

EXPANDED METAL MESH



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

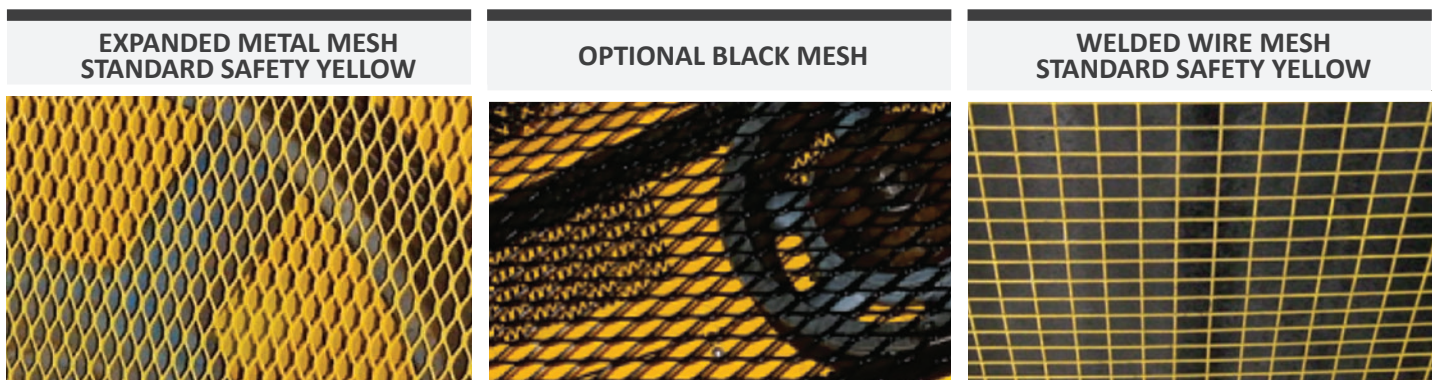
WELDED WIRE MESH



MESH SIZES	
MESH SIZE	B
1" x 1" - 10 Gauge	0.865"
1 1/2" x 1 1/2" - 10 Gauge	1.365"
3" x 3" x 1/4"	2.750"

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.



SAFETY GUARDING ASSESSMENT

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



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.



WEDGE CLAMP

THE ULTIMATE GUARDING FASTENER.

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

- No hassle installation mechanism
- Install guards using 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 (available in stainless steel)
- Assembly includes: Wedge Clamp, nut, washer and cable tie



PART NUMBERS AND TECHNICAL SPECIFICATIONS

WEDGE CLAMPS				
DESCRIPTION	PART NUMBER	MATERIAL	THREAD SIZE	UNITS INCLUDED
Wedge Clamp Assembly 3/8"	71327	Zinc	3/8" - 16 NC x 3/4"	1
Wedge Clamp Assembly 3/8"	71327S	Stainless	3/8" - 16 NC x 3/4"	1
Wedge Clamp Assembly 1/2"	70100	Zinc	1/2" - 13 NC X 1"	1
Wedge Clamp Assembly 1/2"	70100S	Stainless	1/2" - 13 NC X 1"	1
Wedge Clamp Assembly 1/2"	71259	Zinc	1/2" - 13 NC X 1 1/2"	1
Wedge Clamp Assembly 1/2" Weld On	71370	Zinc	No Threads	1

* Wedge Clamps are sold in quantities of 50

1 Wedge clamp fully opened



2 Wedge clamp partially closed



3 Wedge clamp fully closed complete with cable tie



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 to OSHA and Canadian Regulatory Standards that require a "tool to remove".



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



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

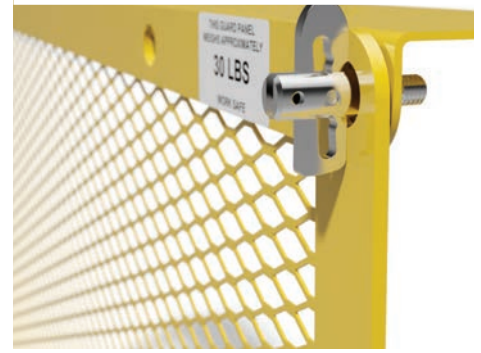
1 In open position, set screw allows quick installation or removal of guards



2 Locking wedge clamp body shows built in set screw



3 With set screw tightened into place using an Allen key



Please Note: Patented



FLAT GUARDS

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

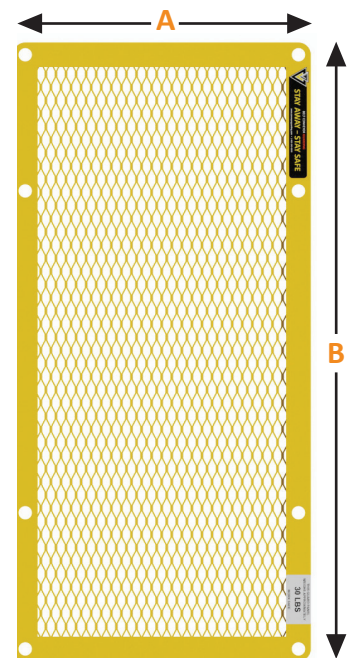
BUILT TO LAST

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



FLAT GUARD DESCRIPTIONS AND PART NUMBERS

DESCRIPTION	PART NUMBER	WEIGHT	A (IN)	B (IN)
24" x 50"	70077	26.1 lb	24	50
30" x 50"	70610	29.4 lb	30	50
36" x 50"	70149	32.7 lb	36	50
24" x 60"	71112	33.1 lb	24	60
30" x 60"	71113	37.6 lb	30	60
36" x 60"	71114	42 lb	36	60
24" x 72"	71235	38 lb	24	72
30" x 72"	71264	42.9 lb	30	72
36" x 72"	71265	47.6 lb	36	72



*Mounting Hardware Sold Separately

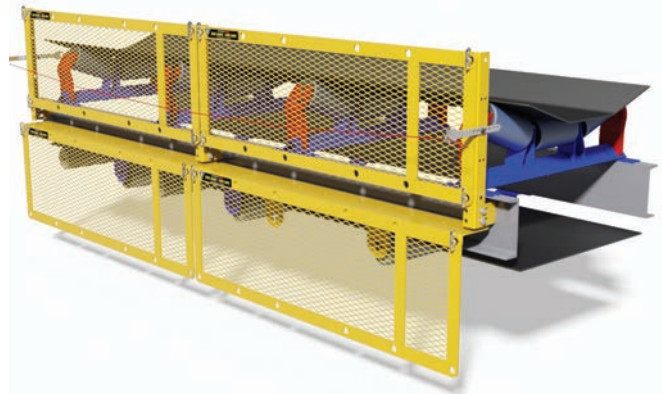
CUSTOMIZE FLAT GUARDS WITH:

- › **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

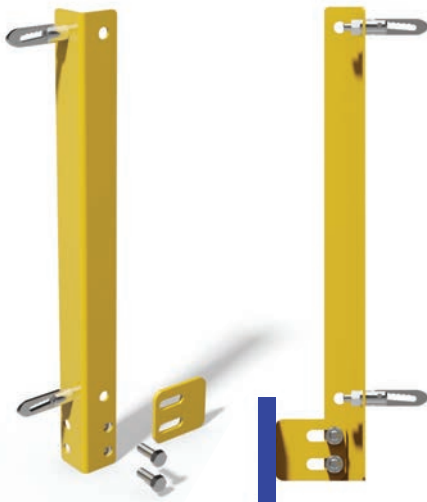


BENEFITS OF GUARD MOUNTING LEGS

- 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



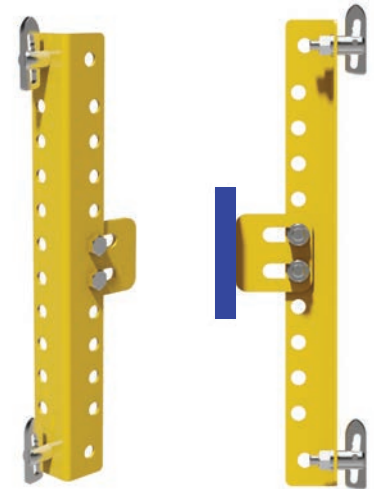
1 Mounting leg horizontal standoff



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

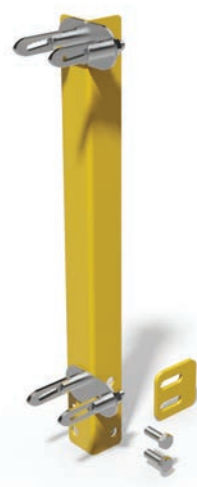
FLAT GUARD MOUNTING OPTIONS

GUARD MOUNTING LEG TYPES

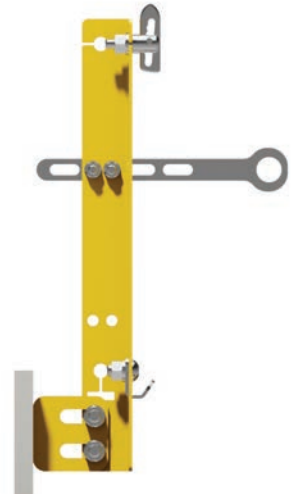
1 Single leg assembly



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.



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

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

GRINDING MILL GUARDS

Self-supporting guards which are designed specifically for Grinding Mills. Customized designs allow for quick installation and maximized effectiveness of guarding in your plant.

EASY TO INSTALL

- › Self-supporting structure
- › Customized for each application
- › No welding or cutting required
- › Sets up easily with modular bolt-together design

EASY TO MAINTAIN

- › Guards remove in seconds for equipment access

BUILT TO LAST

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



CUSTOMIZE YOUR GRINDING MILL GUARDS WITH ANY OF THE FOLLOWING OPTIONS:

- › **Service/Inspection Doors:** Access smaller areas 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
- › **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



OUR PRODUCTS ARE COMPLIANT WITH THE FOLLOWING SAFE GUARDING STANDARDS:

MSHA		OSHA		CSA	
56/57.14110	Flying or falling material	1910.219	Mechanical power transmission apparatus	6.3.3.2.2	Requirements for fixed guards
56/57.14112	Guard construction	1926.555	Conveyor passes over employee	7.4	Rotating shafts, spindles, couplings
56/57.14107	Moving machine parts	1917.48	Danger zone adjacent to conveyor	9.1.1	Guards & protective devices
75.1722	Mechanical equipment guards				

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

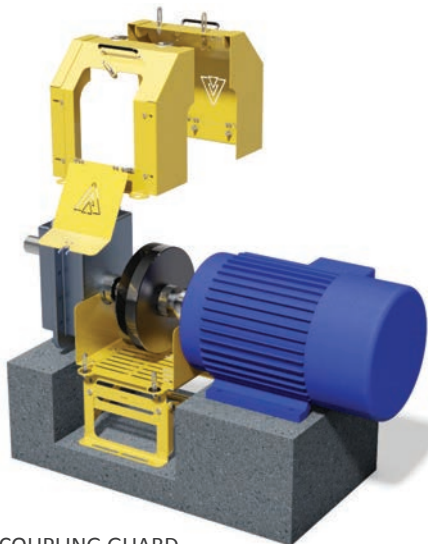
- › Self-supporting, adjustable design
- › Custom fit for each application
- › No welding or cutting required
- › Adjustable side fill plates and mounting legs

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

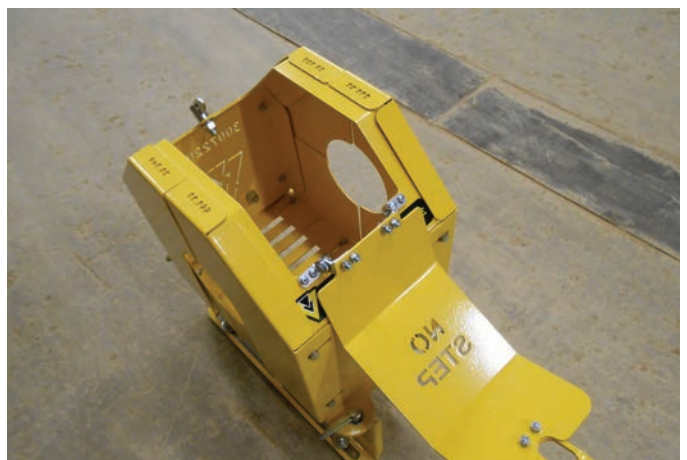
- › Heavy-duty steel construction
- › Also available in stainless steel or aluminum
- › Powder coated for increased durability



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 39.

CUSTOMIZE YOUR COUPLING GUARDS WITH ANY OF THE FOLLOWING OPTIONS:

- › **Black Mesh:** Improves visibility and allows for the use of touchless measuring devices
- › **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

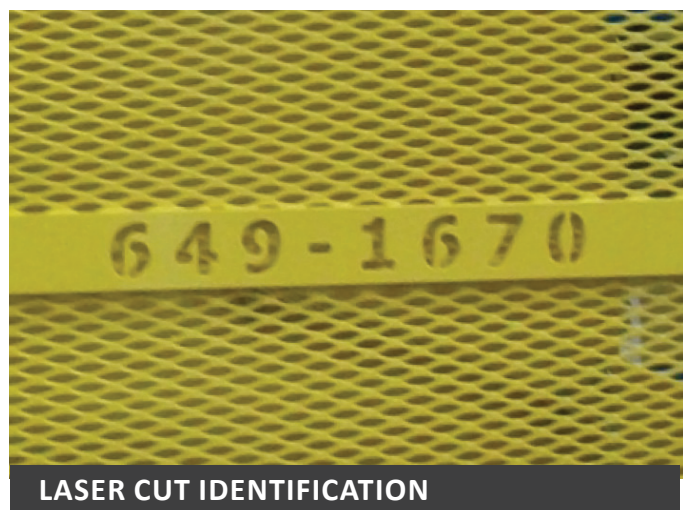
- › Bottom slots reduce build-up
- › Front guards remove for equipment maintenance
- › Enclosed design increases belt and sheave life

BUILT TO LAST

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



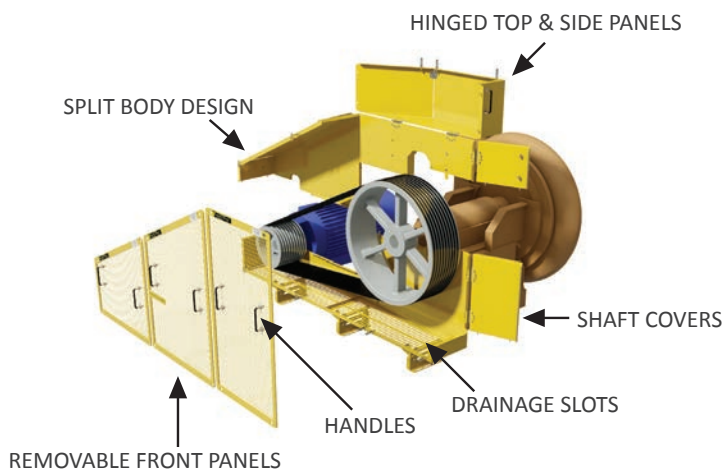
COMPLETELY ENCLOSED DESIGN



LASER CUT IDENTIFICATION

NEED A QUOTE?

Please use page 33 and fill out the corresponding data sheet on pages 34 or 35.



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

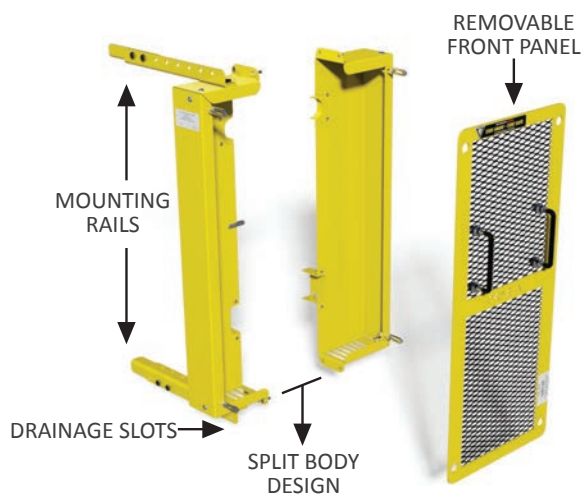
- › Heavy-duty steel construction
- › Powder coated for increased durability
- › Available in stainless steel and aluminum



NEED A QUOTE?

Please use page 33 and fill out the corresponding data sheet on pages 36, 37 or 38.

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
- › Mounting box and rail customized to fit 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
- › Available in stainless steel and aluminum



NEED A QUOTE?

Please fill out the corresponding data sheet on page 40.

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	
56/57.14110	Flying or falling material	1910.219	Mechanical power transmission apparatus	6.3.3.2.2	Requirements for fixed guards
56/57.14112	Guard construction	1926.555	Conveyor passes over employee	7.4	Rotating shafts, spindles, couplings
56/57.14107	Moving machine parts	1917.48	Danger zone adjacent to conveyor	9.1.1	Guards & protective devices
75.1722	Mechanical equipment guards				

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 41.

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	
56/57.14110	Flying or falling material	1910.219	Mechanical power transmission apparatus	6.3.3.2.2	Requirements for fixed guards
56/57.14112	Guard construction	1926.555	Conveyor passes over employee	7.4	Rotating shafts, spindles, couplings
56/57.14107	Moving machine parts	1917.48	Danger zone adjacent to conveyor	9.1.1	Guards & protective devices
75.1722	Mechanical equipment guards				

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

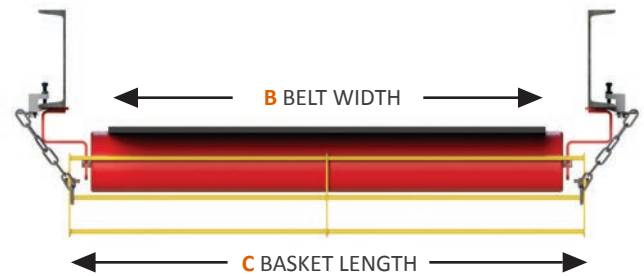
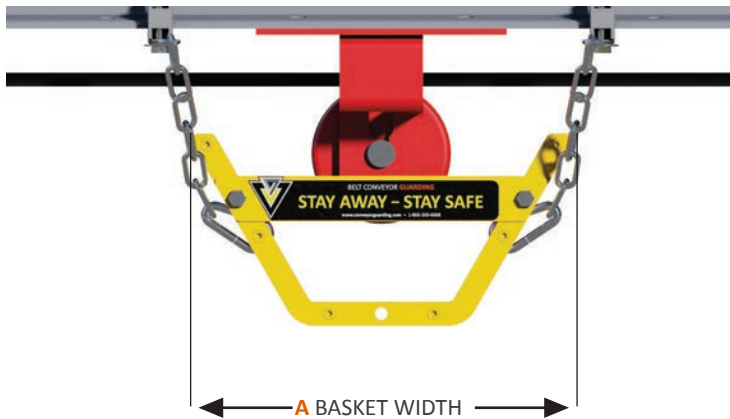
- › Attaches easily with beam-clamp assembly
- › No welding or cutting required

EASY TO MAINTAIN

- › Large openings eliminate build-up

BUILT TO LAST

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



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

12" RETURN IDLER BASKET				24" RETURN IDLER BASKET			
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)
18" Belt	71224N	12"	24.875"	18" Belt	71225N	24"	24.875"
24" Belt	70154N	12"	30.875"	24" Belt	70160N	24"	30.875"
30" Belt	70152N	12"	36.875"	30" Belt	70161N	24"	36.875"
36" Belt	70155N	12"	42.875"	36" Belt	70162N	24"	42.875"
42" Belt	70156N	12"	48.875"	42" Belt	70163N	24"	48.875"
48" Belt	70157N	12"	54.875"	48" Belt	70164N	24"	54.875"
54" Belt	70158N	12"	60.875"	54" Belt	70165N	24"	60.875"
60" Belt	70159N	12"	66.875"	60" Belt	70166N	24"	66.875"
66" Belt	71077N	12"	72.875"	66" Belt	71092N	24"	72.875"
72" Belt	71078N	12"	78.875"	72" Belt	71093N	24"	78.875"
78" Belt	71079N	12"	84.875"	78" Belt	71094N	24"	84.875"
84" Belt	71080N	12"	90.875"	84" Belt	71095N	24"	90.875"
90" Belt	71081N	12"	96.875"	90" Belt	71096N	24"	96.875"
96" Belt	71082N	12"	102.875"	96" Belt	71097N	24"	102.875"



RETURN IDLER BASKETS - RIGID MOUNT

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

EASY TO INSTALL

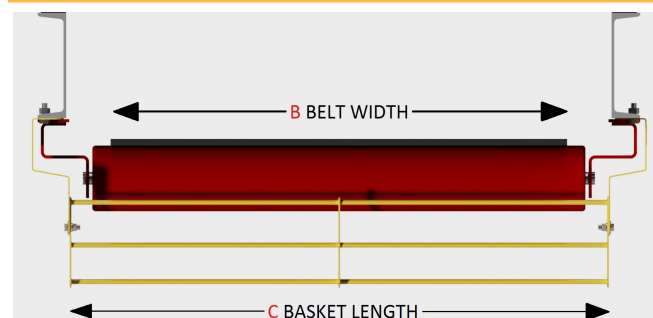
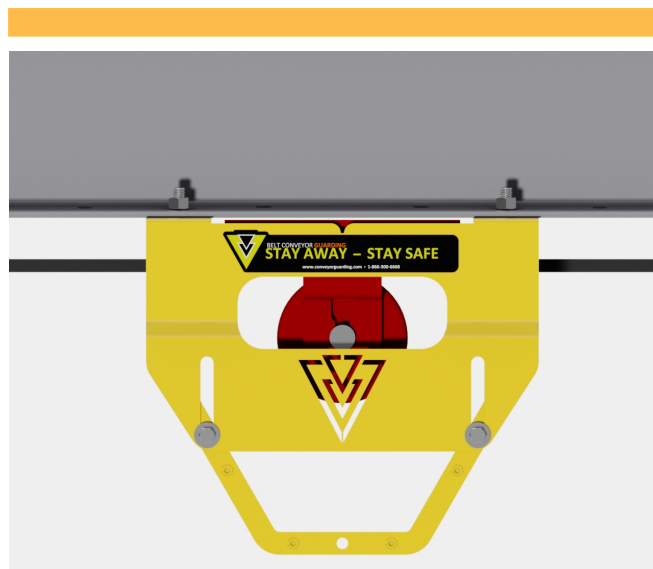
- › No welding or cutting required

EASY TO MAINTAIN

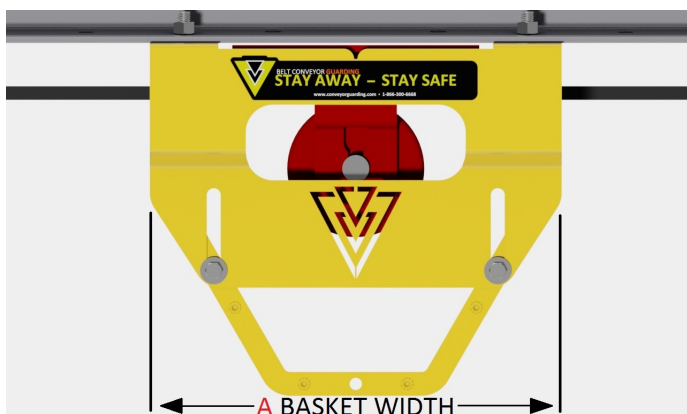
- › Large openings eliminate build-up

BUILT TO LAST

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



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



12" RETURN IDLER BASKET				24" RETURN IDLER BASKET			
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)
18" Belt	71224R	12"	24.875"	18" Belt	71225R	24"	24.875"
24" Belt	70154R	12"	30.875"	24" Belt	70160R	24"	30.875"
30" Belt	70152R	12"	36.875"	30" Belt	70161R	24"	36.875"
36" Belt	70155R	12"	42.875"	36" Belt	70162R	24"	42.875"
42" Belt	70156R	12"	48.875"	42" Belt	70163R	24"	48.875"
48" Belt	70157R	12"	54.875"	48" Belt	70164R	24"	54.875"
54" Belt	70158R	12"	60.875"	54" Belt	70165R	24"	60.875"
60" Belt	70159R	12"	66.875"	60" Belt	70166R	24"	66.875"
66" Belt	71077R	12"	72.875"	66" Belt	71092R	24"	72.875"
72" Belt	71078R	12"	78.875"	72" Belt	71093R	24"	78.875"
78" Belt	71079R	12"	84.875"	78" Belt	71094R	24"	84.875"
84" Belt	71080R	12"	90.875"	84" Belt	71095R	24"	90.875"
90" Belt	71081R	12"	96.875"	90" Belt	71096R	24"	96.875"
96" Belt	71082R	12"	102.875"	96" Belt	71097R	24"	102.875"



Designed to protect workers from being drawn into Return Idlers.

EASY TO INSTALL

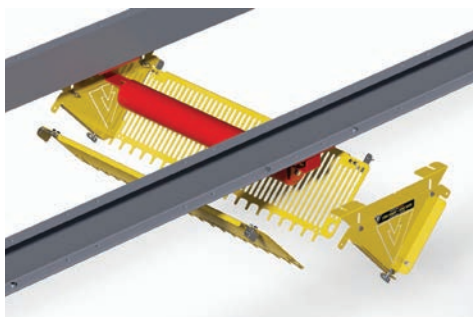
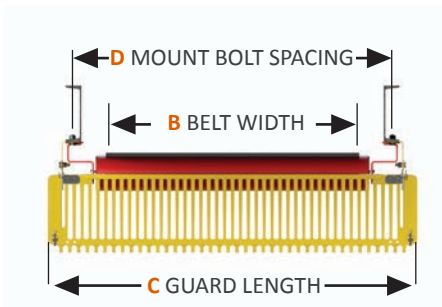
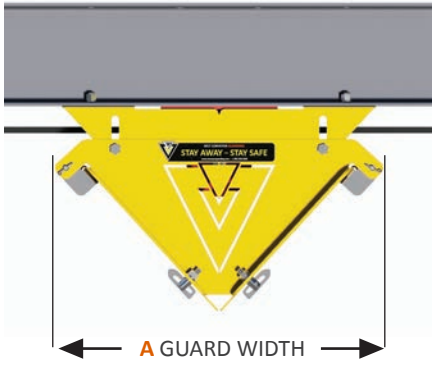
- › Mounts around existing return idler bracket
- › Simply drill 4 holes and bolt to conveyor frame
- › No need to loosen idler bracket, eliminating belt tracking issues

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



EXPLODED VIEW

RETURN IDLER GUARDS				
B (BELT WIDTH)	PART NUMBER	A (GUARD WIDTH)	C (GUARD LENGTH)	D (BOLT SPACING)
24" Belt	71198	25"	40 1/2"	33"
30" Belt	71199	25"	46 1/2"	39"
36" Belt	71200	25"	52 1/2"	45"
42" Belt	71201	25"	58 1/2"	51"
48" Belt	71202	25"	64 1/2"	57"
54" Belt	71203	25"	70 1/2"	63"
60" Belt	71204	25"	76 1/2"	69"
66" Belt	71205	25"	82 1/2"	75"
72" Belt	71206	25"	88 1/2"	81"
78" Belt	71207	25"	94 1/2"	87"
84" Belt	71208	25"	100 1/2"	93"
90" Belt	71209	25"	106 1/2"	99"
96" Belt	71210	25"	112 1/2"	105"
102" Belt	71211	25"	118 1/2"	111"



RETURN IDLER BELLY GUARDS

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

EASY TO INSTALL

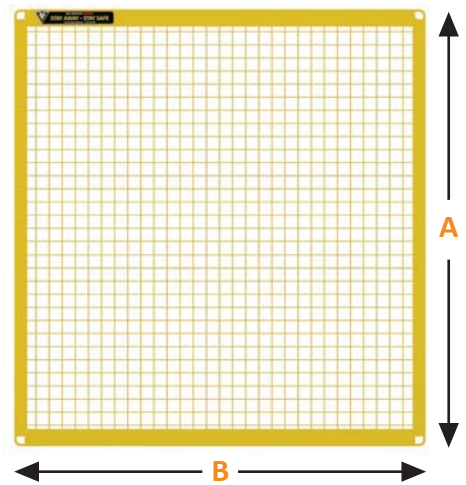
- › Attaches easily with our beam clamp assembly
- › Standard sizes fit most conveyors

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			
DESCRIPTION	PART NUMBER	A	B
24" Belt	70773	35 1/4"	50"
30" Belt	70774	41 1/4"	50"
36" Belt	70775	47 1/4"	50"
42" Belt	70772	53 1/4"	50"
48" Belt	71083	59 1/4"	50"
54" Belt	71084	65 1/4"	50"
60" Belt	71085	71 1/4"	25"
66" Belt	71086	77 1/4"	25"
72" Belt	71087	83 1/4"	25"
78" Belt	71088	89 1/4"	25"
84" Belt	71089	95 1/4"	25"
90" Belt	71090	101 1/4"	25"
96" Belt	71091	107 1/4"	25"

MINE DUTY BELLY GUARDS			
DESCRIPTION	PART NUMBER	A	B
24" Belt	71119	35 1/4"	50"
30" Belt	71120	41 1/4"	50"
36" Belt	71121	47 1/4"	50"
42" Belt	71122	53 1/4"	50"
48" Belt	71123	59 1/4"	33"
54" Belt	71124	65 1/4"	33"
60" Belt	71125	71 1/4"	33"
66" Belt	71126	77 1/4"	33"
72" Belt	71127	83 1/4"	25"
78" Belt	71128	89 1/4"	25"
84" Belt	71129	95 1/4"	25"
90" Belt	71130	101 1/4"	25"
96" Belt	71131	107 1/4"	25"



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	
56/57.14110	Flying or falling material	1910.219	Mechanical power transmission apparatus	6.3.3.2.2	Requirements for fixed guards
56/57.14112	Guard construction	1926.555	Conveyor passes over employee	7.4	Rotating shafts, spindles, couplings
56/57.14107	Moving machine parts	1917.48	Danger zone adjacent to conveyor	9.1.1	Guards & protective devices
75.1722	Mechanical equipment guards				

Please note: Not all products comply with every standard



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 for industrial applications or a padlock for commercial applications (*padlock is not supplied*)
- 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

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



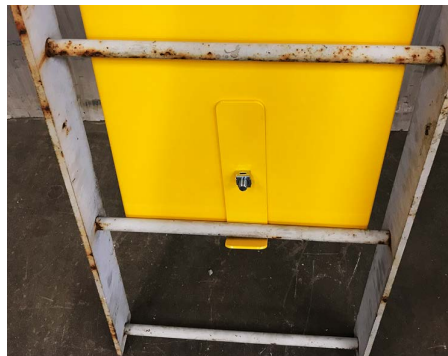
Front View



Rear View



Step 1. Hang guard on ladder



Step 2. Adjust and tighten the lower hook



Padlock hasp for commercial applications

LADDER GUARDS

DESCRIPTION	PART NUMBER	MATERIAL	WEIGHT	WIDTH	LENGTH	UNITS INCLUDED
Ladder Guard	71376	Mild Steel	33 lb	15"	62"	1
Ladder Guard	71376S	Stainless	34 lb	15"	62"	1
Ladder Guard	71376A	Aluminum	15 lb	15"	62"	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

- › Zinc 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 your removal tools.

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	UNITS INCLUDED
Cable Tie Caddy Kit	71326	1 Cable Tie Caddy



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



EACH HANDLE KIT INCLUDES TWO HANDLES AND ALL REQUIRED MOUNTING HARDWARE

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



HANDRAILS

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

EASY TO INSTALL

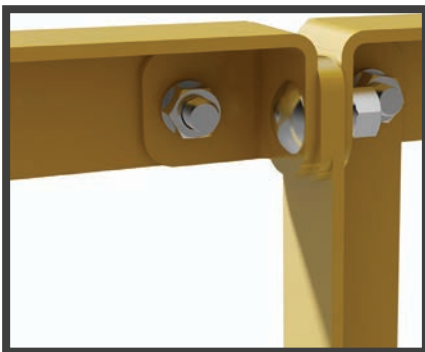
- › Modular bolt-together design
- › Legs shipped fully assembled
- › No welding or cutting required
- › Available for stair applications
- › Standard 60" sections
- › Customized lengths and corners available
- › Fasteners included

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
- › Available in stainless steel or galvanized upon request



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

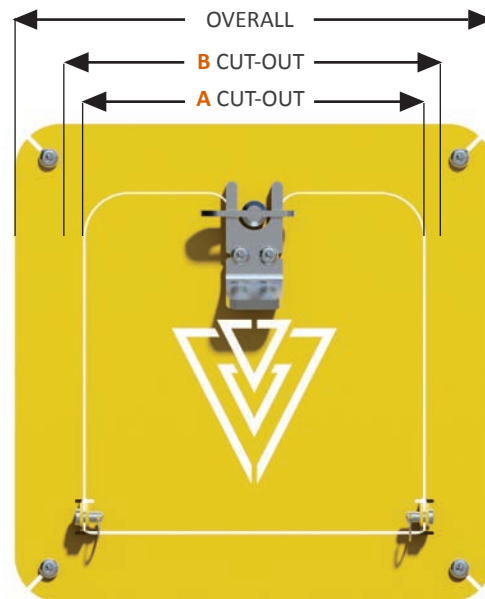
*When equipment is properly locked and tagged, or when properly documented procedures are followed.

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 (Figure 1)



FIGURE 1



SERVICE/INSPECTION DOOR

DESCRIPTION	PART NUMBER	A	B	C
6" x 6"	71267	5 1/2"	6"	8 1/2"
8" x 8"	71268	7 1/2"	8"	10 1/2"
10" x 10"	71269	9 1/2"	10"	12 1/2"
12" x 12"	71270	11 1/2"	12"	14 1/2"
14" x 14"	71271	13 1/2"	14"	16 1/2"

CUSTOMIZE A DOOR SPECIFICALLY FOR YOUR APPLICATION

Send us your dimensions and we will customize to suit!



SIGNS AND DECALS

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.



SIGNS & DECALS

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

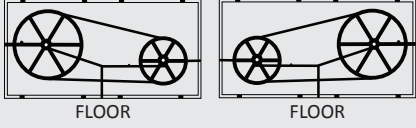
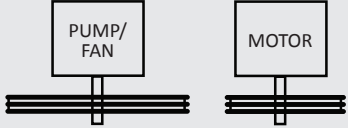
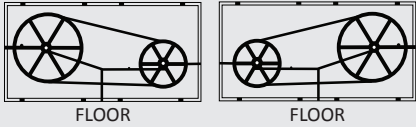

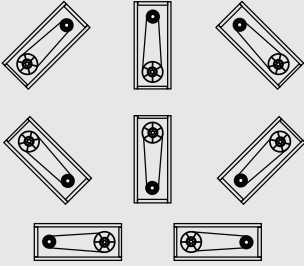
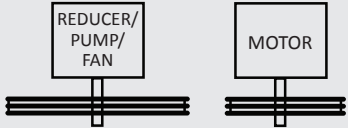
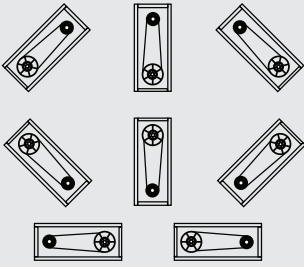

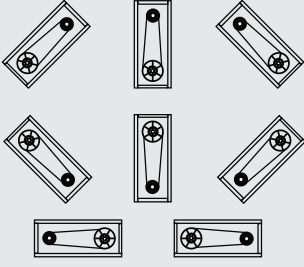
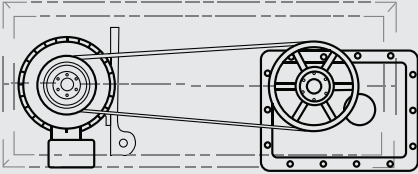
THESE SIGNS WERE DESIGNED BASED ON THE FOLLOWING ANSI STANDARDS:

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
<p>HORIZONTAL DRIVE FLOOR MOUNT</p> <p>om to allow for install</p> <p>USE DATA SHEET ON PAGE 34</p>		
<p>HORIZONTAL DRIVE FLOOR MOUNT (INVERSE ORIENTATION)</p> <p>om to allow for install</p> <p>USE DATA SHEET ON PAGE 35</p>		
<p>BASIC V-BELT DRIVE WITH CUSTOM MOUNT</p> <p>USE DATA SHEET ON PAGE 36</p>		
<p>BASIC V-BELT DRIVE WITH CUSTOM MOUNT (INVERSE ORIENTATION)</p> <p>USE DATA SHEET ON PAGE 37</p>		
<p>BASIC V-BELT DRIVE WITH CUSTOM MOUNT WITH PIVOT MOTOR BASE</p> <p>USE DATA SHEET ON PAGE 38</p>		

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



PUMP GUARD DATA SHEET - UPRIGHT

COMPANY: _____

CONTACT PERSON: _____

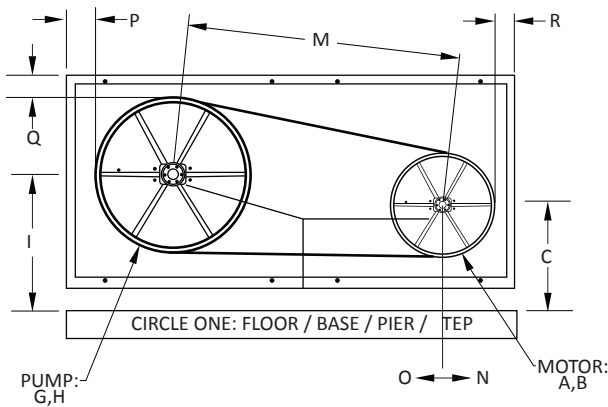
LOCATION: _____

PHONE: _____ FAX: _____

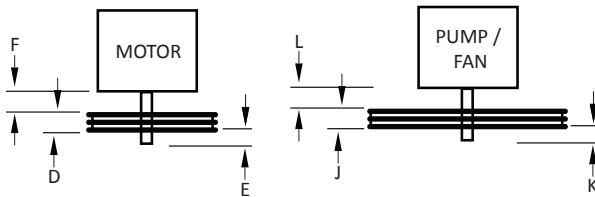
EMAIL: _____

EQUIPMENT #: _____

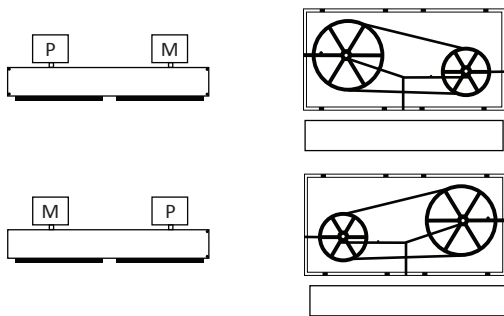
PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



Other are instructions please indicate sizes and locations on sketches or additional drawings.



PLEASE CIRCLE WHICH ORIENTATIONS YOU REQUIRE:



How would you like to attach the guard to base or 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 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" 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 Meshed Panel	Yellow / Black / Other

SPECIAL REQUIREMENTS

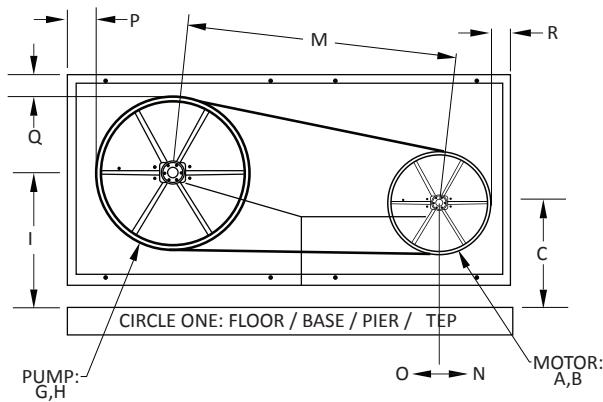
AREA	PLEASE INDICATE
Lubrication	Yes / No
Vibration Analysis	Yes / No
Heat Analysis	Yes / No
Speed Sensing	Yes / No
Over-Heating Concerns	Yes / No
Corrosive Area	Yes / No
Flammable Area	Yes / No
Lead Paint Abatement Area	Yes / No
Other	



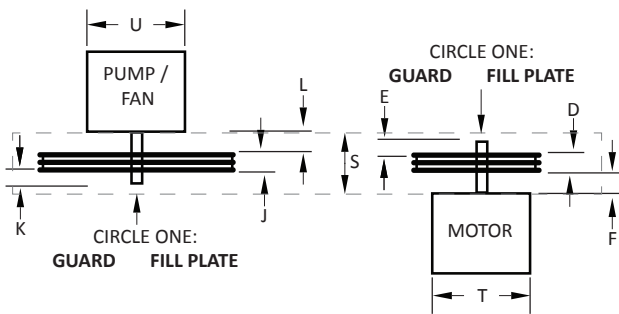
PUMP GUARD DATA SHEET- INVERTED

COMPANY: _____
 CONTACT PERSON: _____
 LOCATION: _____
 PHONE: _____ FAX: _____
 EMAIL: _____
 EQUIPMENT #: _____

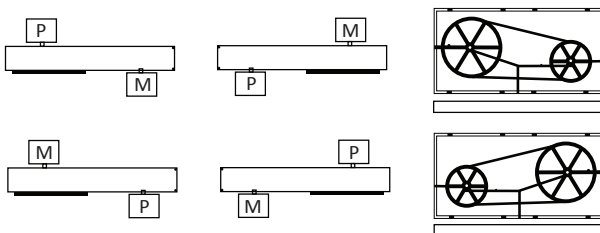
PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



Other are instructions please indicate sizes and locations on sketches or additional drawings.



PLEASE CIRCLE WHICH ORIENTATIONS YOU REQUIRE:



How would you like to attach the guard to base or 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 - Width/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 Pump/Fan	
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" 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 Meshed Panel	Yellow / Black / Other

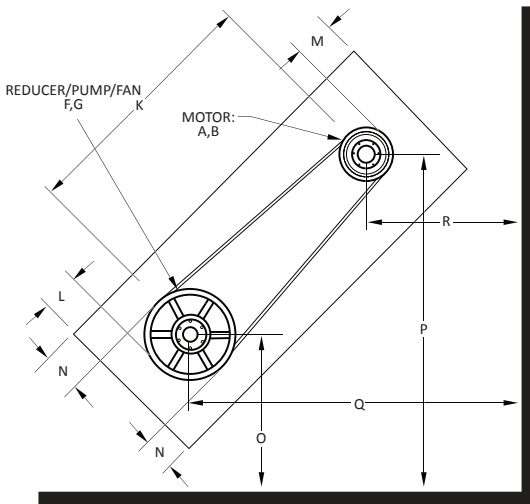
SPECIAL REQUIREMENTS	
AREA	PLEASE INDICATE
Lubrication	Yes / No
Vibration Analysis	Yes / No
Heat Analysis	Yes / No
Speed Sensing	Yes / No
Over-Heating Concerns	Yes / No
Corrosive Area	Yes / No
Flammable Area	Yes / No
Lead Paint Abatement Area	Yes / No
Other	



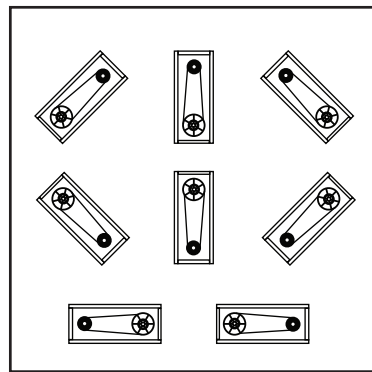
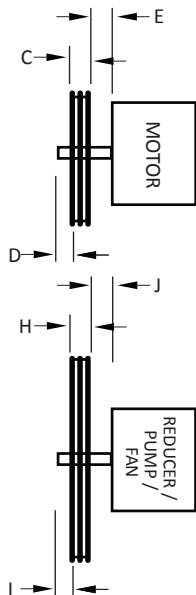
V-BELT GUARD DATA SHEET - UPRIGHT

COMPANY: _____
 CONTACT PERSON: _____
 LOCATION: _____
 PHONE: _____ FAX: _____
 EMAIL: _____
 EQUIPMENT #: _____

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



These are obstruction clearance dimensions from shaft center to avoid obstructions and to indicate additional clearance distances from shaft center to avoid obstructions etc.



Please circle the correct orientation of your equipment and indicate to 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	

SPECIFY GUARD COATING COLOR

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

SPECIAL REQUIREMENTS

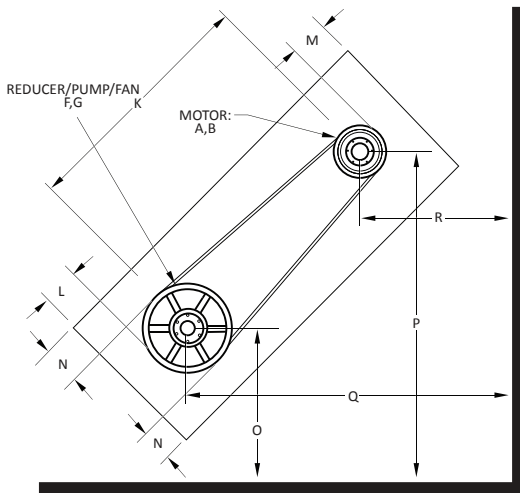
AREA	PLEASE INDICATE
Lubrication	Yes / No
Vibration Analysis	Yes / No
Heat Analysis	Yes / No
Speed Sensing	Yes / No
Over-Heating Concerns	Yes / No
Corrosive Area	Yes / No
Flammable Area	Yes / No
Lead Paint Abatement Area	Yes / No
Motor Adjustments in/out (+/-)	
Other	



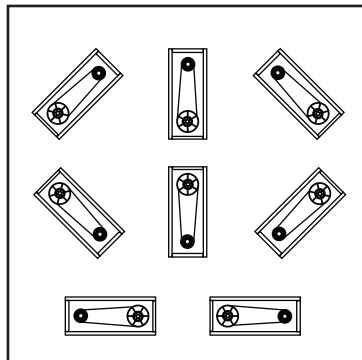
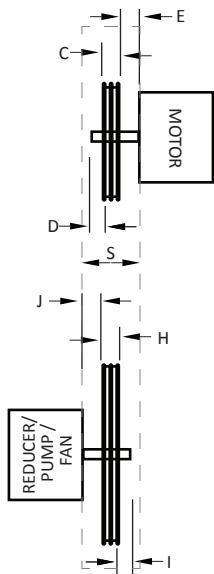
V-BELT GUARD DATA SHEET- INVERTED

COMPANY: _____
 CONTACT PERSON: _____
 LOCATION: _____
 PHONE: _____ FAX: _____
 EMAIL: _____
 EQUIPMENT #: _____

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



Indicate obstructions and distances from sheaves to obstructions etc or additional measurements.



Please circle the correct orientation of your equipment and indicate to 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	



V-BELT GUARD DATA SHEET - PIVOT

COMPANY: _____

CONTACT PERSON: _____

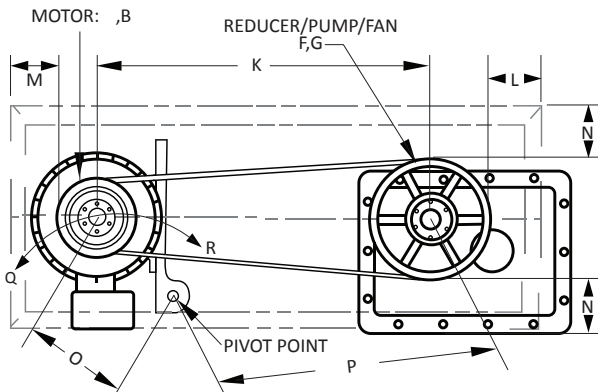
LOCATION: _____

PHONE: _____ FAX: _____

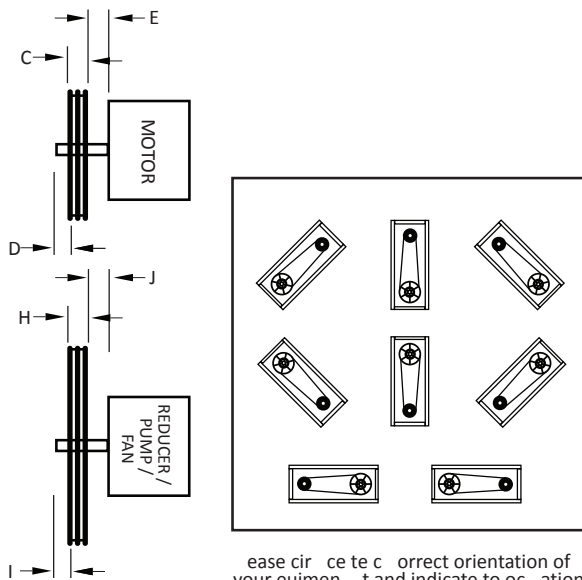
EMAIL: _____

EQUIPMENT #: _____

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



These are obstruction sensitive dimensions and distances from seal to avoid etc or additional age.



INFORMATION REQUIRED

MOTOR SIDE

ITEM	DIMENSION
A - Motor Sheave Diameter	
B - Motor Shaft Diameter (with 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	

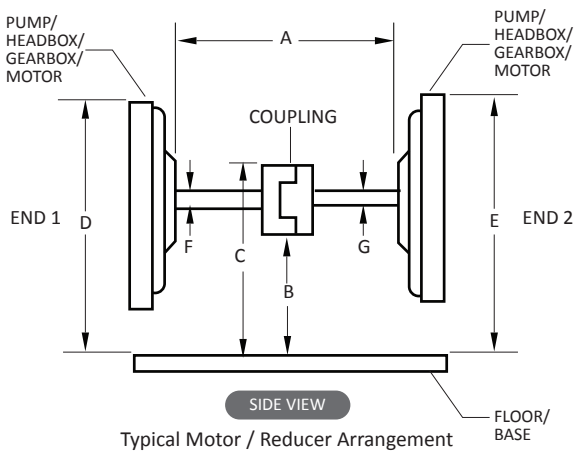


COUPLING GUARD DATA SHEET

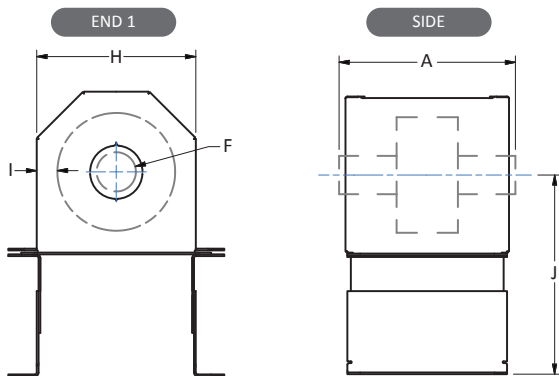
COMPANY: _____
 CONTACT PERSON: _____
 LOCATION: _____
 PHONE: _____ FAX: _____
 EMAIL: _____
 EQUIPMENT #: _____

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS

FOR USE WHEN THERE IS NO GUARD IN PLACE



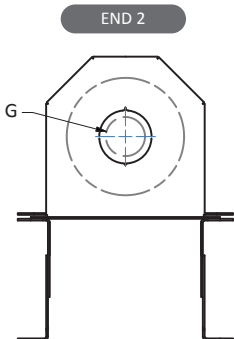
FOR USE WHEN THERE IS AN EXISTING GUARD IN PLACE



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

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 - Height of Motor/Gearbox (End 1)	
E - Height of Motor/Gearbox (End 2)	
F - Shaft Diameter (End 1, including keyway)	
G - Shaft Diameter (End 2, including keyway)	
H - Overall Width of Guard	
I - Distance From Coupling to Guard	
J - Height from Floor/Base to Centerline of Shaft	

EXTRA INFORMATION

End 1	Rubber / Fill Plates
End 2	Rubber / Fill Plates
Service/ Inspection Door	None / Top / One Side / Both Sides

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	

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

Concrete Wedge Anchors Welded On Standoff/Supports



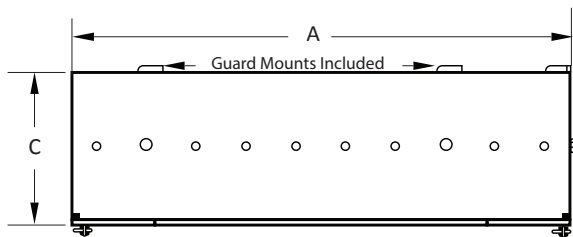
EXAMPLES OF OBSTRUCTIONS THAT WE WOULD NEED TO KNOW ABOUT



PILLOW BLOCK BEARING GUARD DATA SHEET

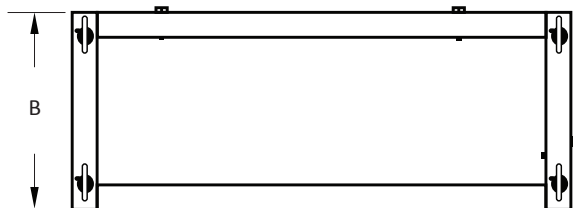
COMPANY: _____
 CONTACT PERSON: _____
 LOCATION: _____
 PHONE: _____ FAX: _____
 EMAIL: _____
 EQUIPMENT #: _____

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS

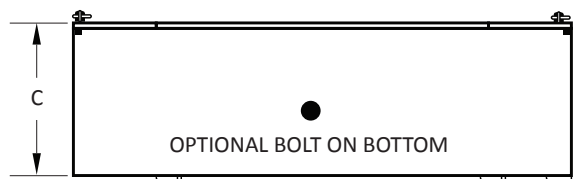


TOP VIEW

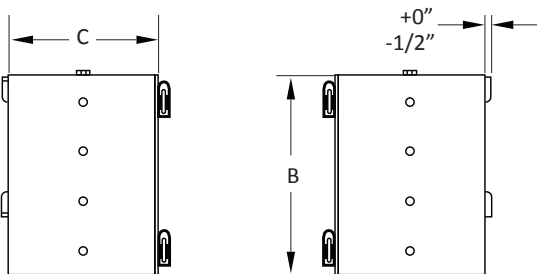
If there are observations, please provide sizes and locations.



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	
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.

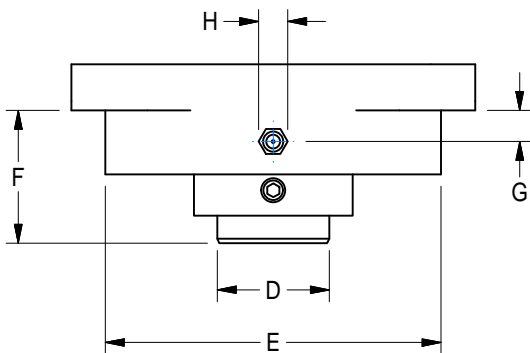
Typically Bearing Guards have an open back and a removable front panel/guard. Please make note if special circumstances/requirements need to be considered (back, panels, etc.)



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	

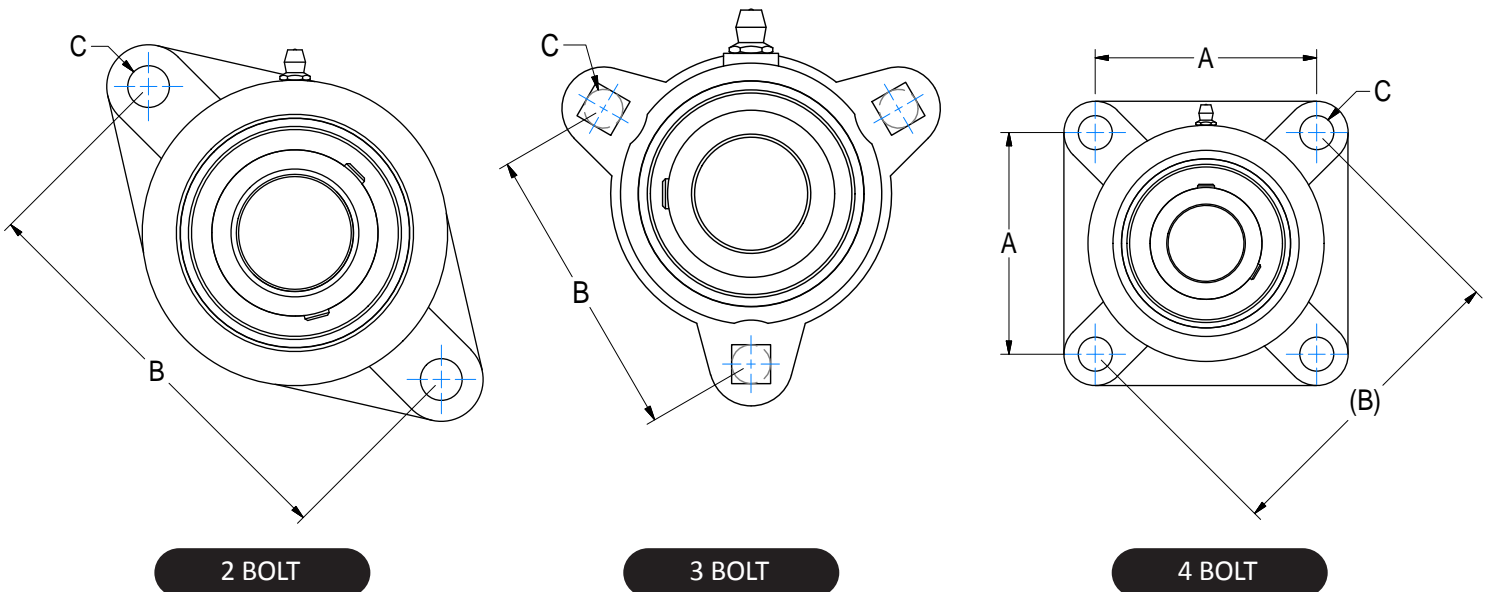
OTHER DATA (IF KNOWN)

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	

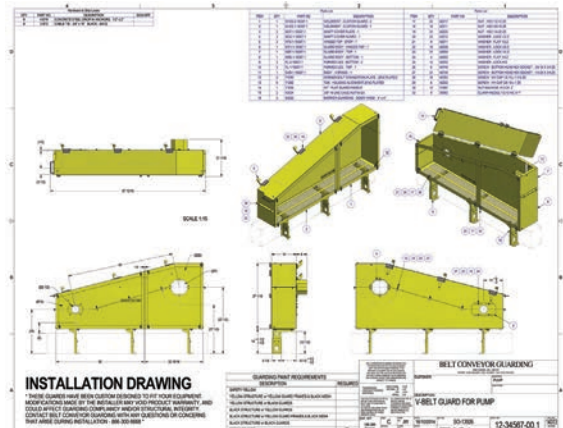
Please circle correct bolt pattern you require



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

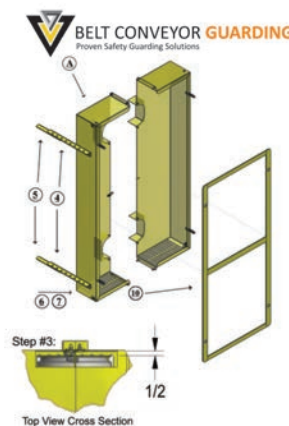


ASSEMBLY AND INSTALLATION

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.

WHATS IN THE BOX?

- › Detailed Drawings
- › Parts List
- › General Installation Instructions
- › Miscellaneous Hardware



V-Belt Guard Installation Instructions

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

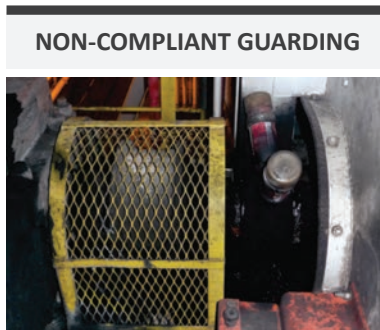
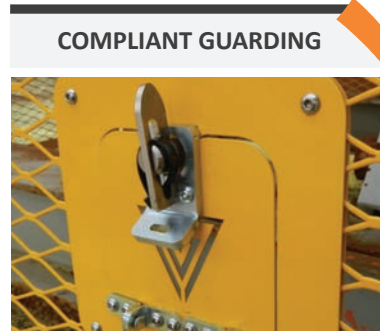
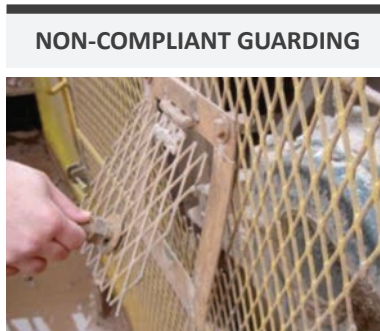
Installation

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.

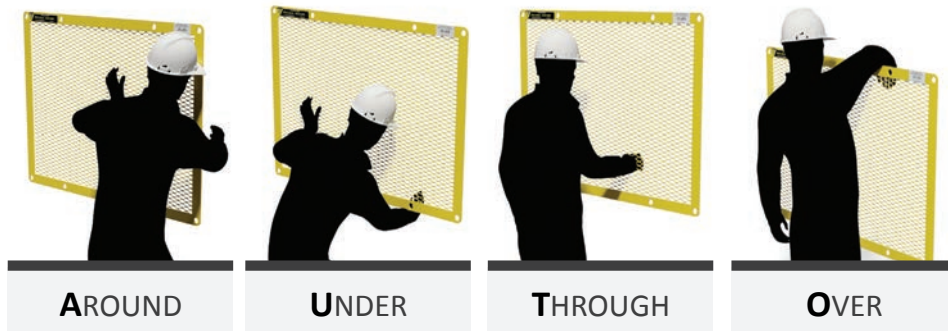


ARE YOUR SAFETY GUARDS COMPLIANT?

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.



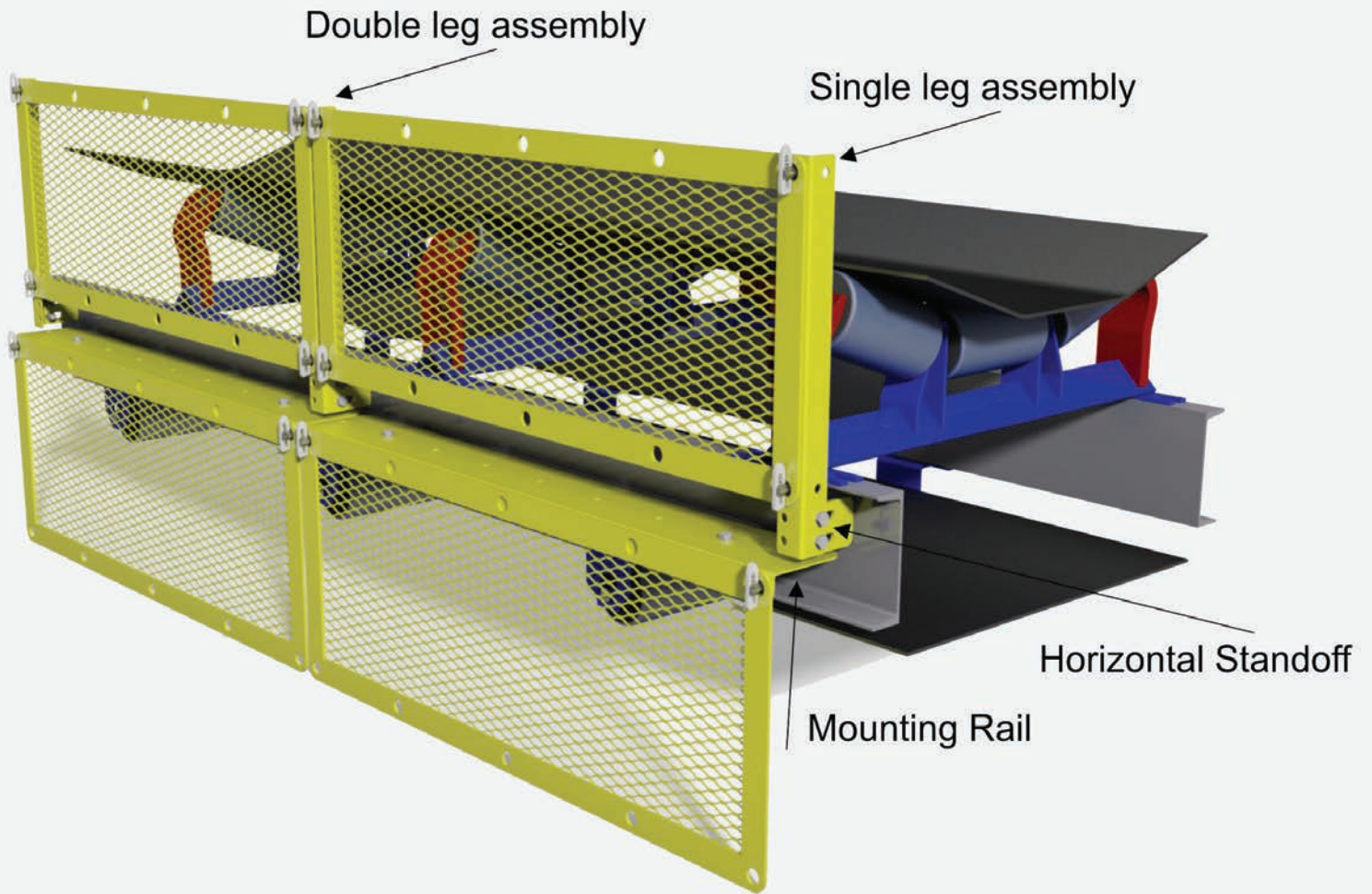
Although there are many detailed rules and regulations surrounding safety guarding compliance, it all starts with one basic question:
IS IT POSSIBLE TO REACH **AROUND, UNDER, THROUGH OR OVER (AUTO)** YOUR GUARDING AND CONTACT THE HAZARD?



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

STAY AWAY - STAY SAFE





GUARD IT RIGHT SAVE A LIFE



BELT CONVEYOR **GUARDING**

Proven Safety Guarding Solutions

1-866-300-6668 | safety@conveyorguarding.com

www.conveyorguarding.com