



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!



BELT CONVEYOR GUARDING

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safety@conveyorguarding.com

www.conveyorguarding.com

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

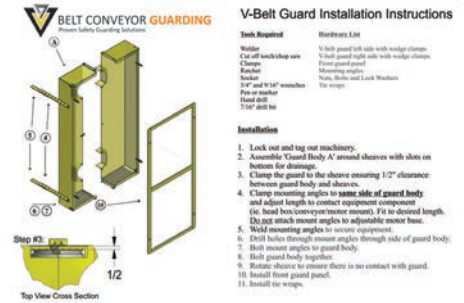


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- › Eliminating workplace injuries
- › Increasing productivity
- › Decreasing fines, citations, and costly shutdowns
- › Extending the life of your equipment
- › Ensuring compliance

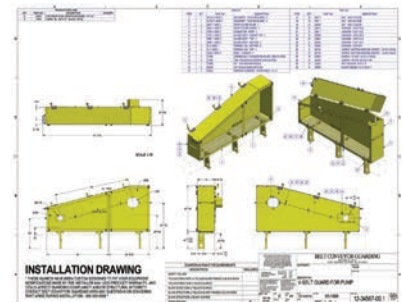
INSTRUCTIONS



LABELED 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

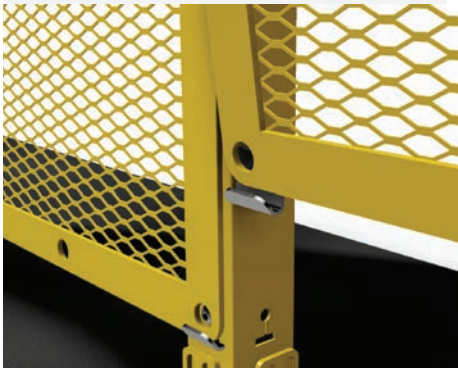
- › Barrier posts and Flat Guard legs are shipped complete with wedge clamps and guard seats installed
- › Single seat or double seat brackets are suitable for most guard applications
- › Install at varying heights for ground clearance and elevation changes

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

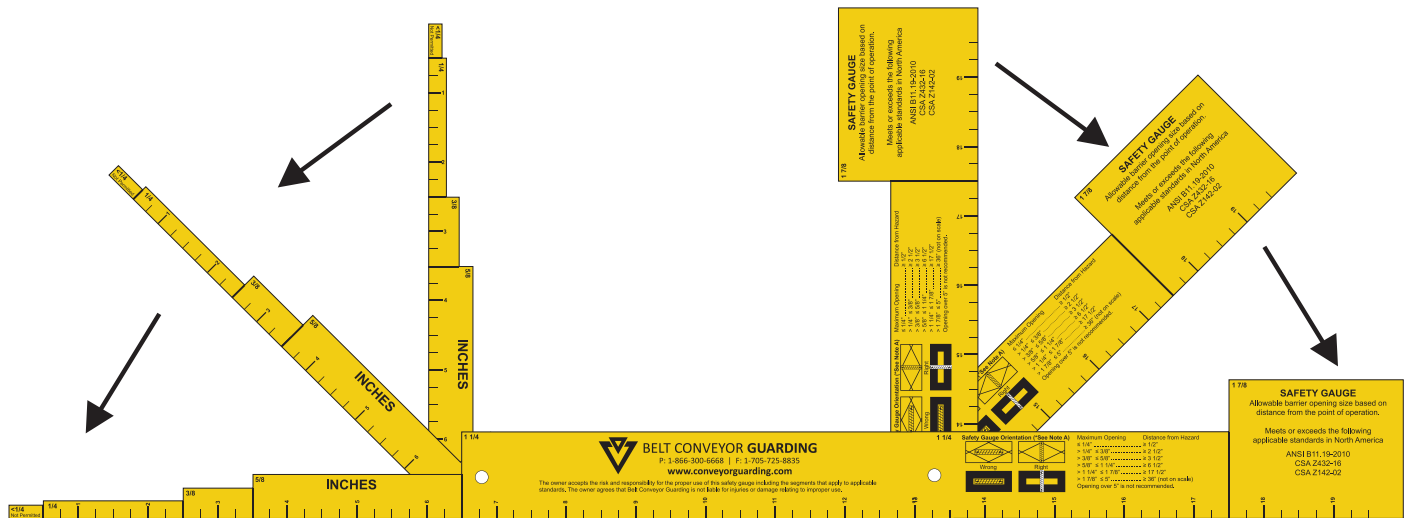


When designing safety guarding, it is essential to ensure that openings, such as mesh for machine visibility, are not large enough to allow access to the hazards contained. It is also crucial that the guarding is installed at a safe distance from the hazard based on the opening sizes.

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).

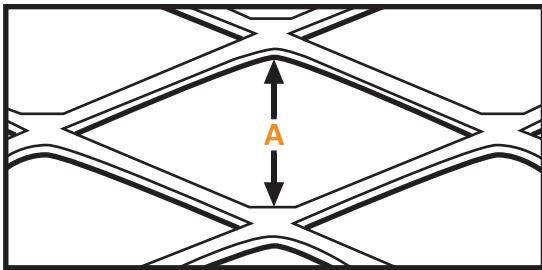
SAFETY GAUGE



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



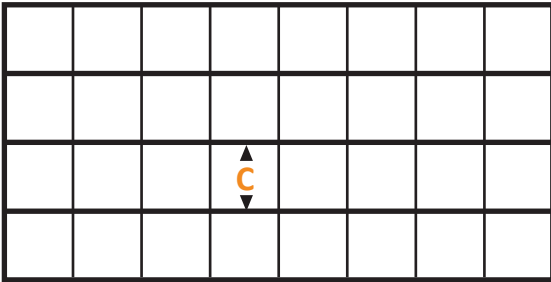
FLAT GUARDS MESH SIZES

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

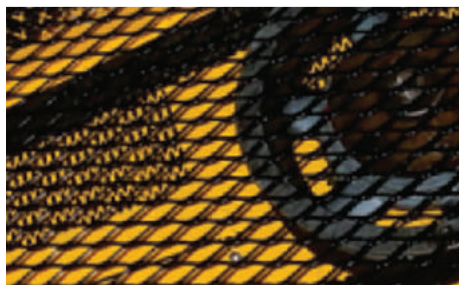
MESH COLORS

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.

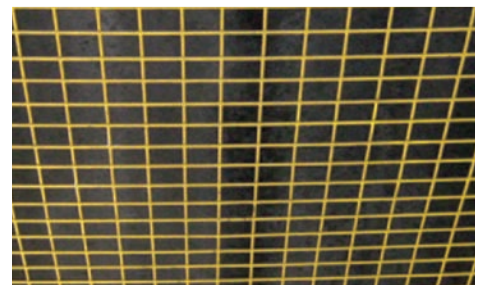
EXPANDED METAL MESH
STANDARD SAFETY YELLOW



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.



[Contents](#)

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.



[Contents](#)

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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Layout and Quotes

The Layout section includes a map layout of the equipment as well as the quote to show the cost of the recommended guarding.



BELT CONVEYOR GUARDING
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Quotation
Quote Date: 01/01/18
Quote ID: 15-17032
Sales Representative:

Quote To: Company ABC Ship To: Company ABC

Contact: _____ Fax: _____

Customer Reference: _____

Terms	Tax Status	FOB Point	Ship Via	Preferred Carrier	Freight
ISO	Not Exempt, Tax Group ID: E				Billed

Line	Quantity	Part - Description	UM	Unit Price	Extension
1	1.00	0009M MODULAR BARRIER GUARDING FOR DRIVE SIDE LOCATION - #1	EA		
2	1.00	0009F CUSTOM 67 1/2" X 48 7/8" FLAT GUARD ASSEMBLY COMPLETE WITH 2" GUARD MOUNTING RAIL LOCATION - #2	EA		
3	2.00	0009F CUSTOM 16" X 7" FLAT GUARD ASSEMBLY COMPLETE WITH MOUNTING HARDWARE LOCATION - #3	EA		
4	8.00	71303 FLAT GUARDING - HANDLES KIT	EA		

"REFERENCE DWG#15-17032 FOR PROPOSED GUARDING LOCATIONS"

NOTE: SMALL ORDERS MAY BE SUBJECT TO PAINT SET UP CHARGE

Additional Notes:

- o All Mounting Hardware is included.
- o All guards to be powder coated orange.
- o Freight and Customs not included.
- o Lead time is 2 - 3 weeks from Receipt of Purchase Order.

Payment Terms:

- o Invoiced upon shipment of guards, due net 30 days.
- o Payable in US Funds.

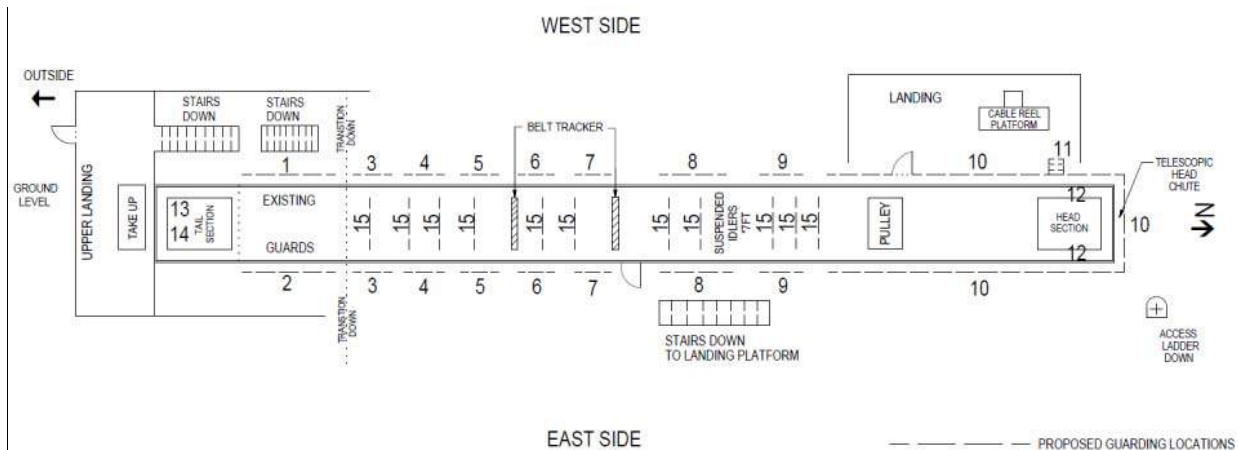
Warranty:
Belt Conveyor Guarding warrants all parts and materials to be free of defects for a period of 1 year. Any alterations to the guards by others, including improper mounting and/or failure to replace tie wraps will void this warranty.

Sub Total:
Service Charge Total:
Total:

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1

The layout and quotes are also included in the assessment. Each area will have a separate layout and quote (located immediately after the photographs) that have been designed to show the correlation between the area, cost and solution. The layout provides a visualization of where each piece of guarding that has been quoted is located.



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

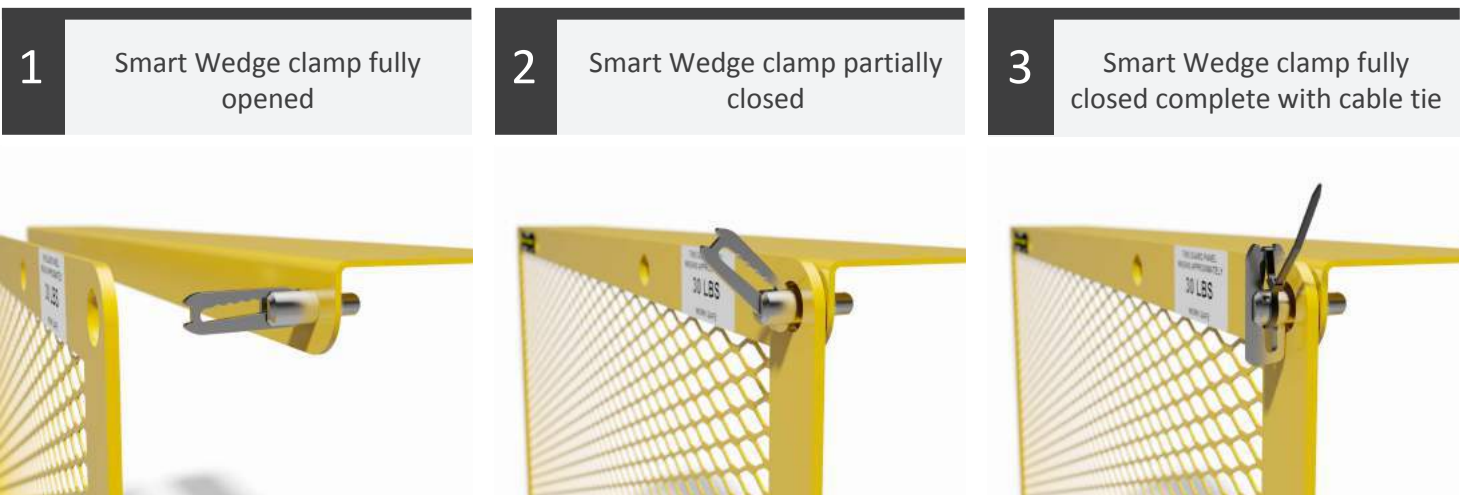


PATENTED

PART NUMBERS AND TECHNICAL SPECIFICATIONS

SMART WEDGE CLAMPS				
DESCRIPTION	PART NUMBER	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



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



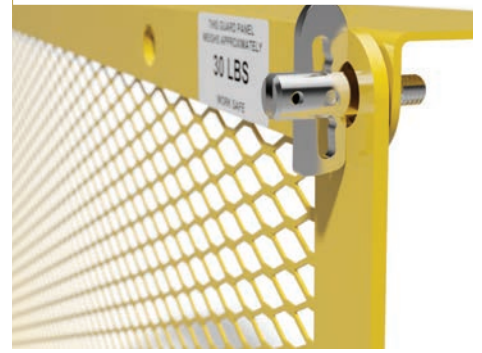
2

Locking wedge clamp body shows built in set screw



3

With set screw tightened into place using an Allen key



Please Note: Patented



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

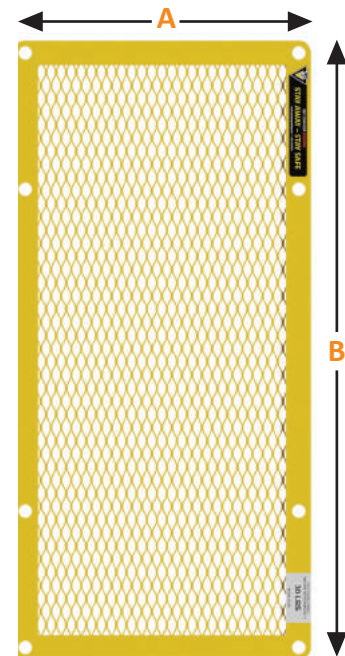
- › Heavy-duty steel construction
- › Powder coated for increased durability



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



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

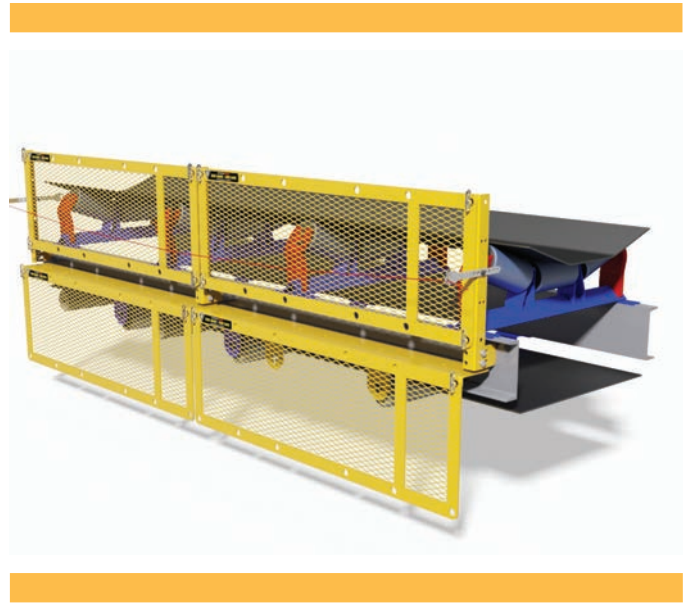
CUSTOMIZE FLAT GUARDS WITH:

- › **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

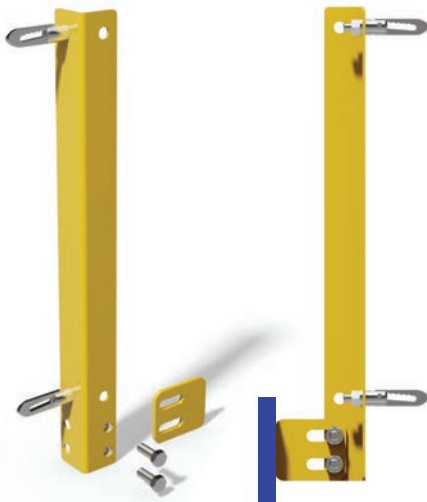
FLAT GUARD MOUNTING OPTIONS

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



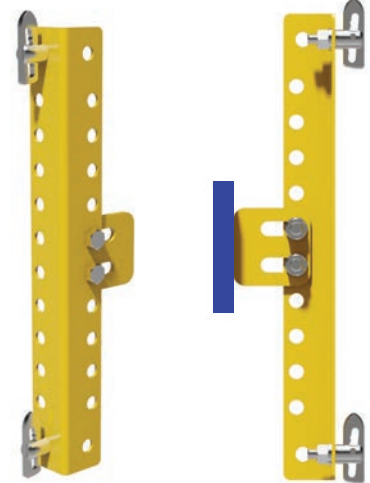
1 Mounting leg horizontal standoff



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

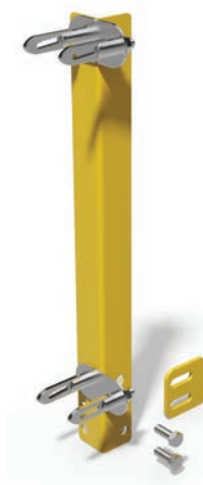


GUARD MOUNTING LEG TYPES

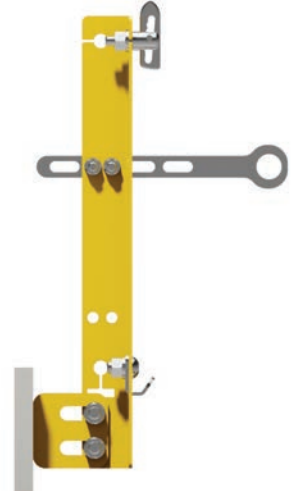
1 Single leg assembly



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



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
- › 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 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

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



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

EASY TO INSTALL

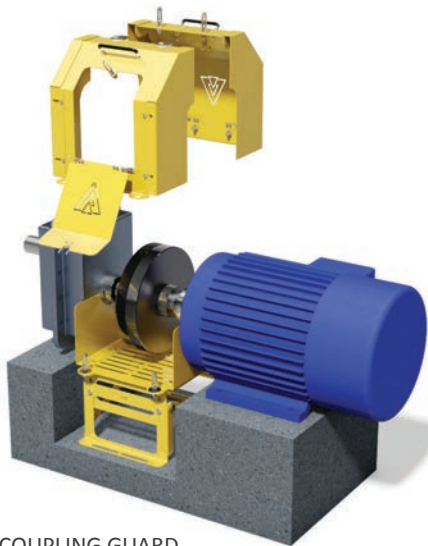
- › Self-supporting, adjustable design
- › Custom fit for each application
- › No welding or cutting required
- › Adjustable side fill plates and mounting legs

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

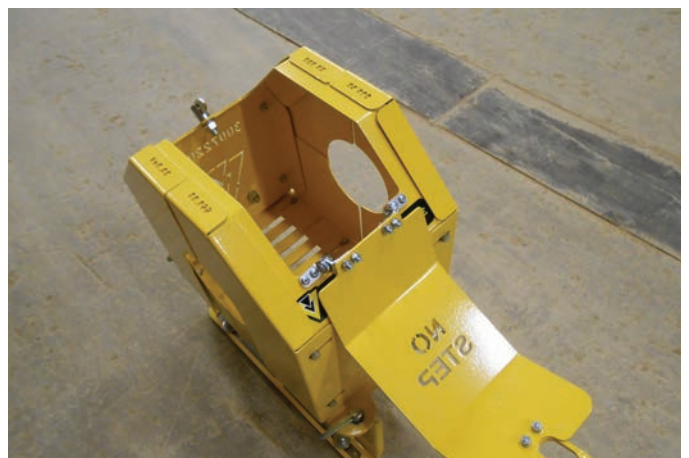
- › Heavy-duty steel construction
- › Also available in stainless steel or aluminum
- › Powder coated for increased durability



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 43.

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

PUMP GUARDS

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

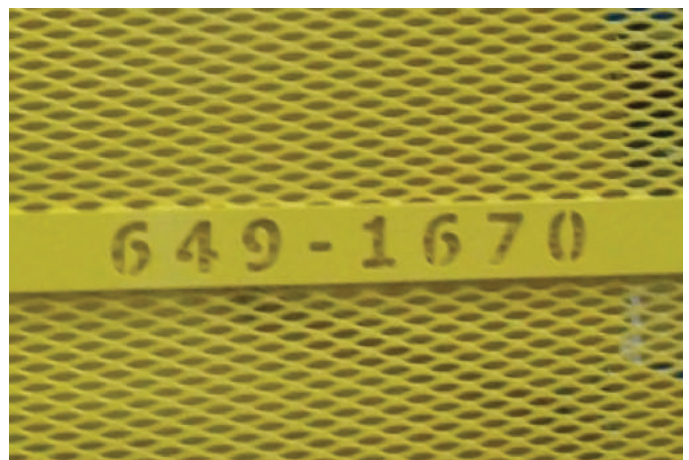
- › Bottom slots reduce build-up
- › Front guards remove for equipment maintenance
- › Enclosed design increases belt and sheave life

BUILT TO LAST

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



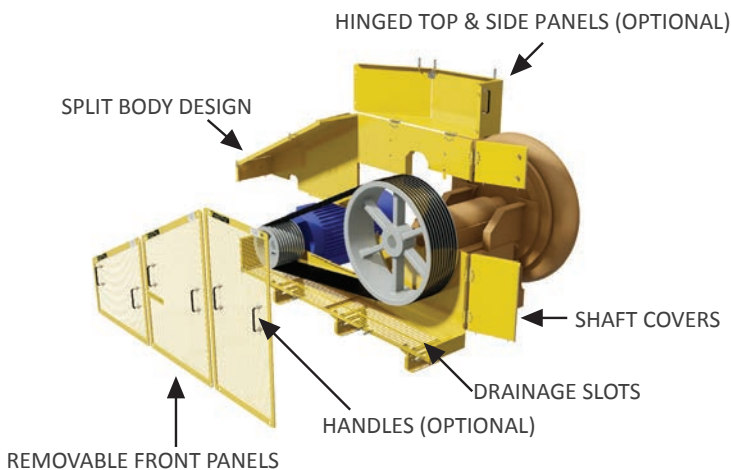
COMPLETELY ENCLOSED DESIGN



LASER CUT IDENTIFICATION

NEED A QUOTE?

Please use page 37 for orientation and fill out the corresponding data sheet on pages 38 or 39.



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



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

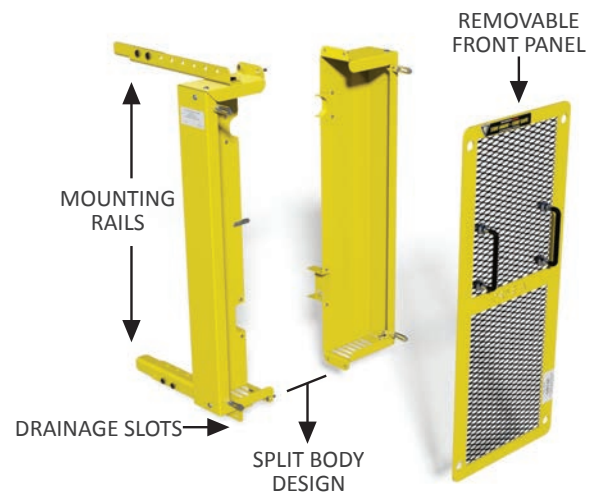
- › Heavy-duty steel construction
- › Powder coated for increased durability
- › Also available in stainless steel and aluminum



NEED A QUOTE?

Please use page 37 for orientation and fill out the corresponding data sheet on pages 40, 41 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

PILLOW BLOCK BEARING GUARDS

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 44.

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



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 45.



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

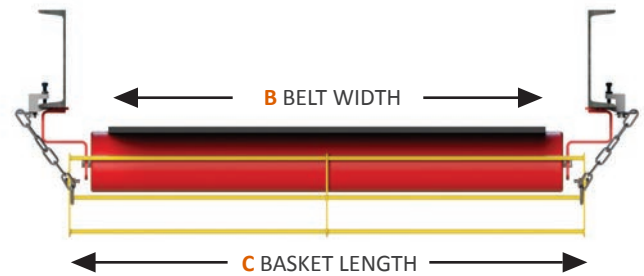
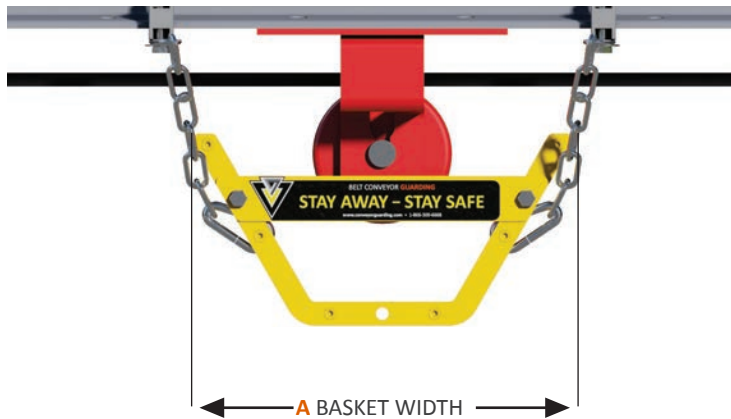
- › Attaches easily with beam-clamp assembly, includes chain & snap link
- › No welding or cutting required

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					24" RETURN IDLER BASKET				
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT	B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT
18" Belt	71224N	12"	24.875"	8.71 Lb	18" Belt	71225N	24"	24.875"	16.25 Lb
24" Belt	70154N	12"	30.875"	9.87 Lb	24" Belt	70160N	24"	30.875"	18.32 Lb
30" Belt	70152N	12"	36.875"	9.68 Lb	30" Belt	70161N	24"	36.875"	20.39 Lb
36" Belt	70155N	12"	42.875"	10.84 Lb	36" Belt	70162N	24"	42.875"	22.46 Lb
42" Belt	70156N	12"	48.875"	11.94 Lb	42" Belt	70163N	24"	48.875"	24.53 Lb
48" Belt	70157N	12"	54.875"	13.07 Lb	48" Belt	70164N	24"	54.875"	26.60 Lb
54" Belt	70158N	12"	60.875"	14.82 Lb	54" Belt	70165N	24"	60.875"	29.89 Lb
60" Belt	70159N	12"	66.875"	15.95 Lb	60" Belt	70166N	24"	66.875"	31.96 Lb
66" Belt	71077N	12"	72.875"	18.49 Lb	66" Belt	71092N	24"	72.875"	36.71 Lb
72" Belt	71078N	12"	78.875"	19.62 Lb	72" Belt	71093N	24"	78.875"	38.78 Lb
78" Belt	71079N	12"	84.875"	20.75 Lb	78" Belt	71094N	24"	84.875"	40.85 Lb
84" Belt	71080N	12"	90.875"	21.88 Lb	84" Belt	71095N	24"	90.875"	42.92 Lb
90" Belt	71081N	12"	96.875"	23 Lb	90" Belt	71096N	24"	96.875"	45 Lb
96" Belt	71082N	12"	102.875"	24.14 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

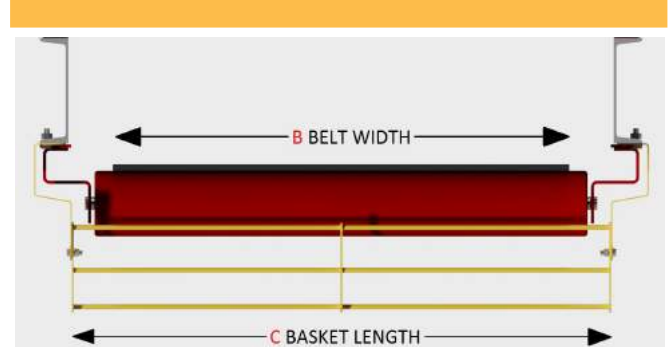
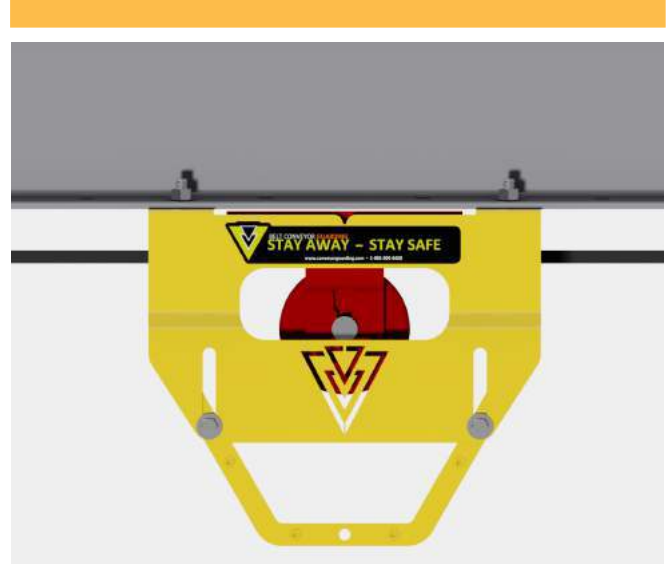
- › No welding or cutting required
- › Mounts around existing return idler bracket
- › Simply drill 4 holes and bolt to conveyor frame
- › No need to loosen idler bracket, eliminating belt tracking issues

EASY TO MAINTAIN

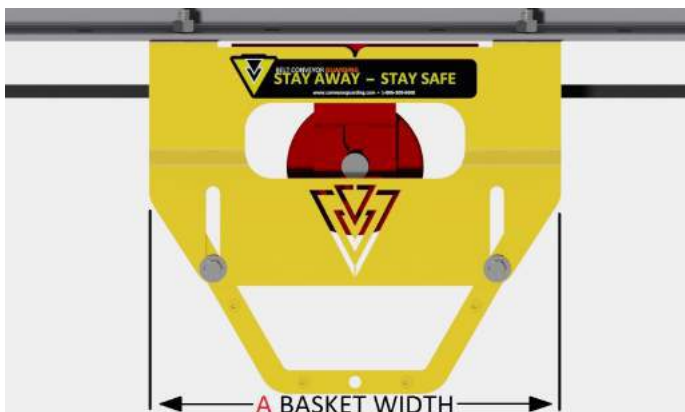
- › Large openings eliminate build-up

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				
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT
18" Belt	71224R	12"	24.875"	13.7 Lb
24" Belt	70154R	12"	30.875"	14.8 Lb
30" Belt	70152R	12"	36.875"	16 Lb
36" Belt	70155R	12"	42.875"	17.1 Lb
42" Belt	70156R	12"	48.875"	18.2 Lb
48" Belt	70157R	12"	54.875"	19.3 Lb
54" Belt	70158R	12"	60.875"	20.4 Lb
60" Belt	70159R	12"	66.875"	21.5 Lb
66" Belt	71077R	12"	72.875"	24.5 Lb
72" Belt	71078R	12"	78.875"	25.6 Lb
78" Belt	71079R	12"	84.875"	26.7 Lb
84" Belt	71080R	12"	90.875"	27.8 Lb
90" Belt	71081R	12"	96.875"	28.9 Lb
96" Belt	71082R	12"	102.875"	30 Lb

24" RETURN IDLER BASKET				
B (BELT WIDTH)	PART NUMBER	A (BASKET WIDTH)	C (BASKET LENGTH)	BASKET WEIGHT
18" Belt	71225R	24"	24.875"	26.9 Lb
24" Belt	70160R	24"	30.875"	28.9 Lb
30" Belt	70161R	24"	36.875"	31 Lb
36" Belt	70162R	24"	42.875"	33 Lb
42" Belt	70163R	24"	48.875"	35.1 Lb
48" Belt	70164R	24"	54.875"	37.2 Lb
54" Belt	70165R	24"	60.875"	40.2 Lb
60" Belt	70166R	24"	66.875"	42.2 Lb
66" Belt	71092R	24"	72.875"	46.6 Lb
72" Belt	71093R	24"	78.875"	48.7 Lb
78" Belt	71094R	24"	84.875"	50.8 Lb
84" Belt	71095R	24"	90.875"	52.8 Lb
90" Belt	71096R	24"	96.875"	54.9 Lb
96" Belt	71097R	24"	102.875"	57 Lb



RETURN IDLER GUARDS

Designed to protect workers from being drawn into Return Idlers.

EASY TO INSTALL

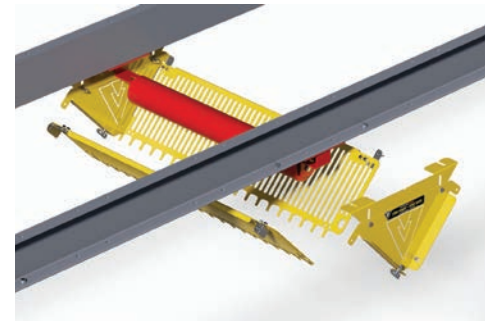
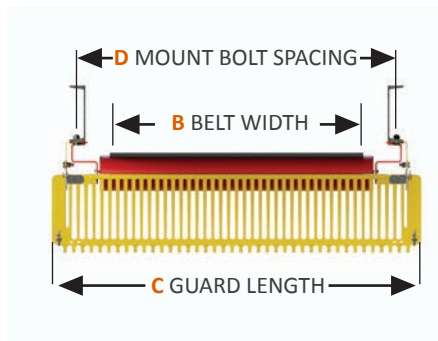
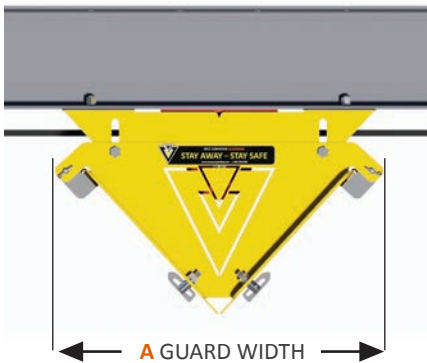
- › Mounts around existing return idler bracket
- › Simply drill 4 holes and bolt to conveyor frame
- › No need to loosen idler bracket, eliminating belt tracking issues
- › No welding or cutting required

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



EXPLODED VIEW

RETURN IDLER GUARDS

B (BELT WIDTH)	PART NUMBER	A (GUARD WIDTH)	C (GUARD LENGTH)	D (BOLT SPACING)	WEIGHT
24" Belt	71198	25"	40 1/2"	33"	43.30 lb
30" Belt	71199	25"	46 1/2"	39"	51.16 lb
36" Belt	71200	25"	52 1/2"	45"	55.01 lb
42" Belt	71201	25"	58 1/2"	51"	58.37 lb
48" Belt	71202	25"	64 1/2"	57"	65.41 lb
54" Belt	71203	25"	70 1/2"	63"	69.27 lb
60" Belt	71204	25"	76 1/2"	69"	73.12 lb
66" Belt	71205	25"	82 1/2"	75"	76.47 lb
72" Belt	71206	25"	88 1/2"	81"	80.32 lb
78" Belt	71207	25"	94 1/2"	87"	84.18 lb
84" Belt	71208	25"	100 1/2"	93"	88.03 lb
90" Belt	71209	25"	106 1/2"	99"	91.39 lb
96" Belt	71210	25"	112 1/2"	105"	98.43 lb
102" Belt	71211	25"	118 1/2"	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

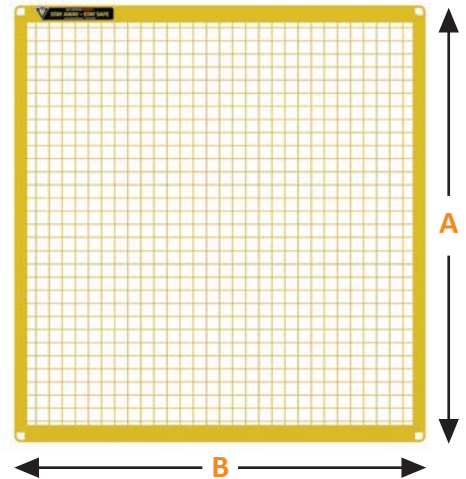
- › Attaches easily with our beam clamp assembly, includes chain & snap link
- › Standard sizes fit most conveyors

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				
DESCRIPTION	PART NUMBER	A	B	WEIGHT
24" Belt	70773	35 1/4"	50"	28.4 Lb
30" Belt	70774	41 1/4"	50"	31.7 Lb
36" Belt	70775	47 1/4"	50"	35 Lb
42" Belt	70772	53 1/4"	50"	38.3 Lb
48" Belt	71083	59 1/4"	50"	46.4 Lb
54" Belt	71084	65 1/4"	50"	51.8 Lb
60" Belt	71085	71 1/4"	25"	42.4 Lb
66" Belt	71086	77 1/4"	25"	45.6 Lb
72" Belt	71087	83 1/4"	25"	48.8 Lb
78" Belt	71088	89 1/4"	25"	52 Lb
84" Belt	71089	95 1/4"	25"	55.2 Lb
90" Belt	71090	101 1/4"	25"	62.7 Lb
96" Belt	71091	107 1/4"	25"	74.3 Lb

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

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"

* Mesh size - 3" x 3"



RETURN IDLER SIDE GUARDS

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



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

EASY TO INSTALL

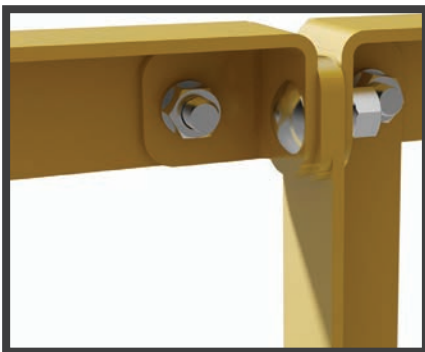
- › Modular bolt-together design
- › Legs shipped fully assembled
- › No welding or cutting required
- › Also available for stair applications
- › Standard 60" wide x 42" high sections
- › Customized lengths and corners available
- › Hardware is included

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



LADDER GUARDS

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, including the lock bracket 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

- Heavy-duty steel construction
- Powder coated safety yellow for durability and high visibility
- Also available in 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 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 and red

HANDLES

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



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)

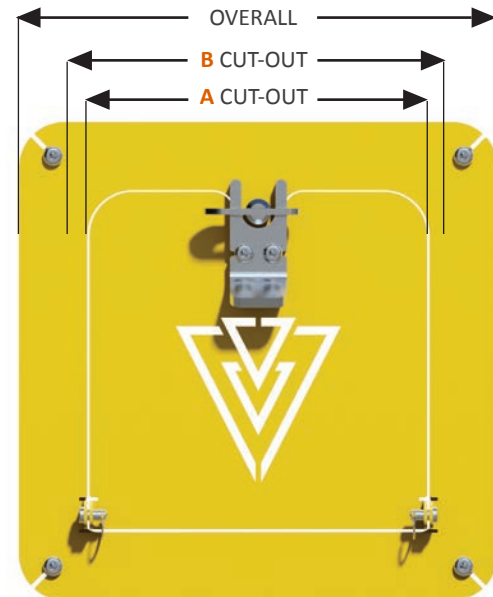


FIGURE 1

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.



Custom Signs Available Upon Request

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

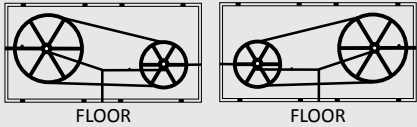
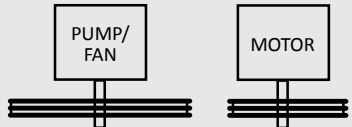
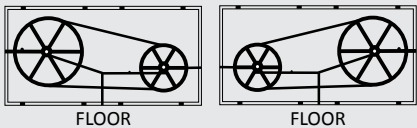

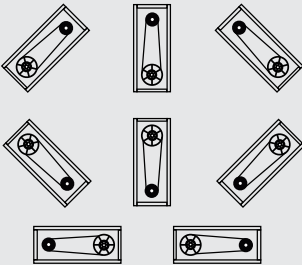
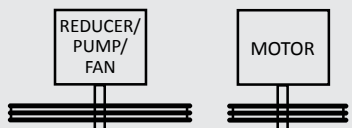
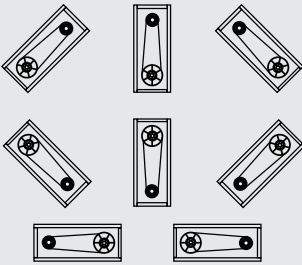

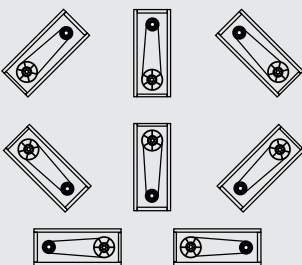
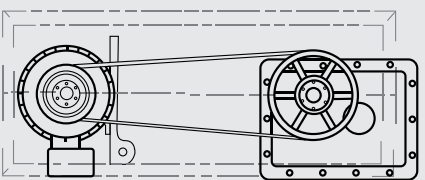
THESE SIGNS WERE DESIGNED BASED ON THE FOLLOWING ANSI STANDARDS:

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
HORIZONTAL DRIVE FLOOR MOUNT Split bottom to allow for install Use Pump Guard Data Sheet – Upright, p.38		
HORIZONTAL DRIVE FLOOR MOUNT (INVERSE ORIENTATION) Split bottom to allow for install Use Pump Guard Data Sheet – Inverted, p.39		
BASIC V-BELT DRIVE WITH CUSTOM MOUNT Use V-Belt Data Sheet – Upright, p.40		
BASIC V-BELT DRIVE WITH CUSTOM MOUNT (INVERSE ORIENTATION) Use V-Belt Data Sheet – Inverted, p.41		
BASIC V-BELT DRIVE WITH CUSTOM MOUNT WITH PIVOT MOTOR BASE Use V-Belt Data Sheet – Pivot, p.42		

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS

PUMP GUARD DATA SHEET - UPRIGHT

COMPANY: _____

CONTACT PERSON: _____

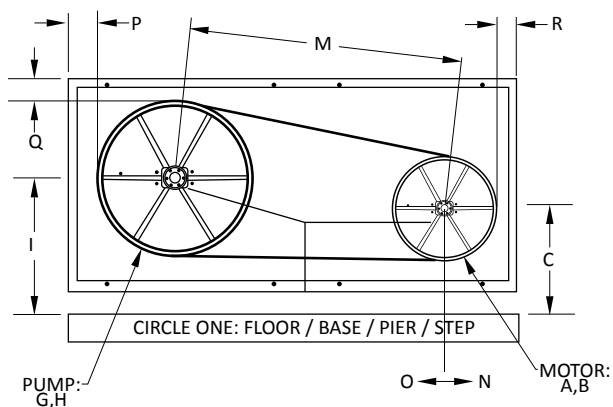
LOCATION: _____

PHONE: _____ FAX: _____

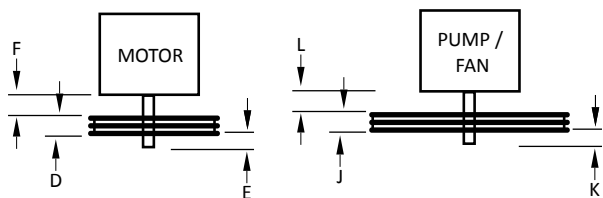
EMAIL: _____

EQUIPMENT #: _____

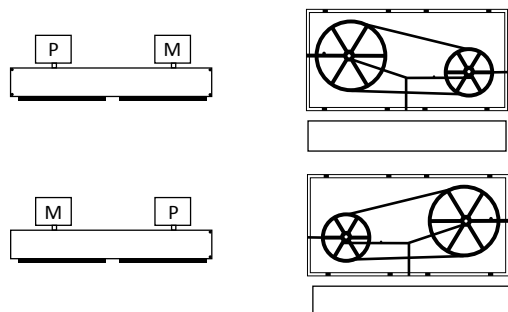
PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



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 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: _____

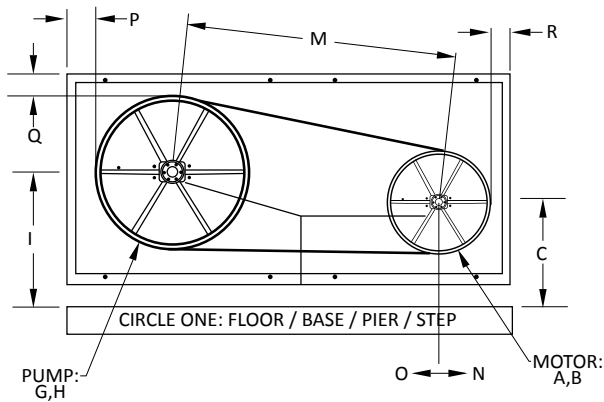
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PHONE: _____ FAX: _____

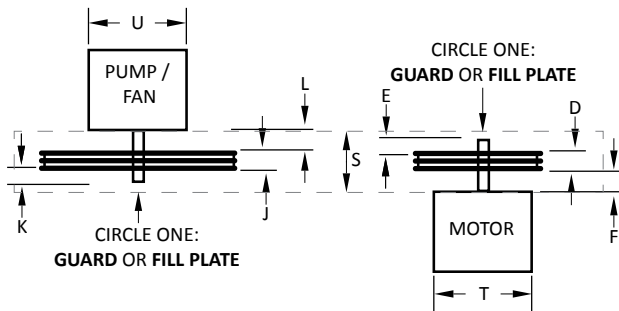
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EQUIPMENT #: _____

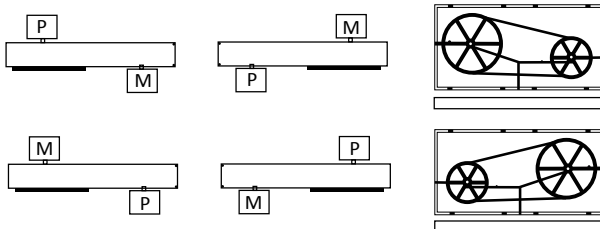
PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



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 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: _____

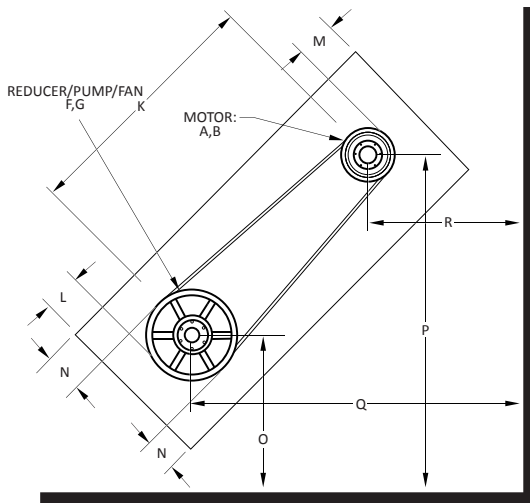
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PHONE: _____ FAX: _____

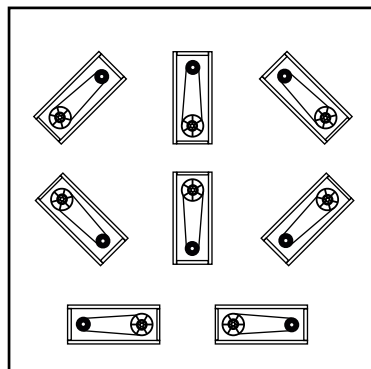
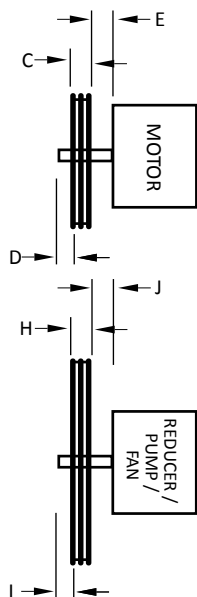
EMAIL: _____

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	

SPECIFY GUARD COATING COLOR

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

SPECIAL REQUIREMENTS

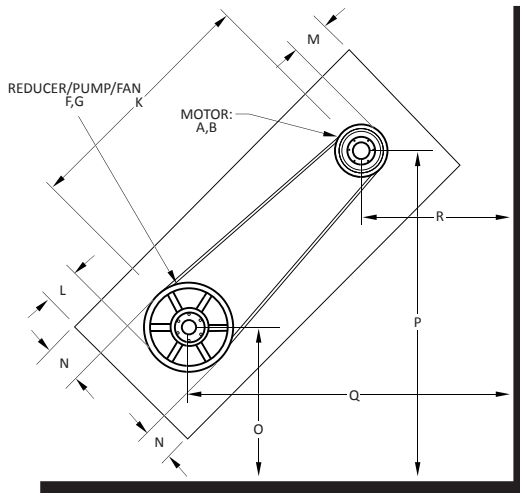
AREA	PLEASE INDICATE
Lubrication	Yes / No
Vibration Analysis	Yes / No
Heat Analysis	Yes / No
Speed Sensing	Yes / No
Over-Heating Concerns	Yes / No
Corrosive Area	Yes / No
Flammable Area	Yes / No
Lead Paint Abatement Area	Yes / No
Motor Adjustments in/out (+/-)	
Other	



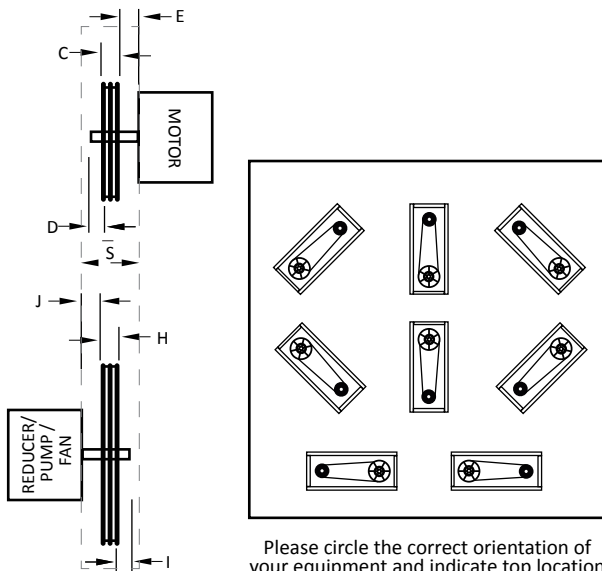
V-BELT GUARD DATA SHEET- INVERTED

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

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS



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

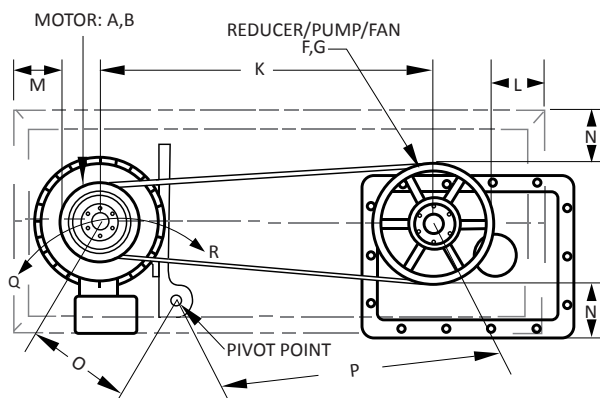
AREA	PLEASE INDICATE
Lubrication	Yes / No
Vibration Analysis	Yes / No
Heat Analysis	Yes / No
Speed Sensing	Yes / No
Over-Heating Concerns	Yes / No
Corrosive Area	Yes / No
Flammable Area	Yes / No
Lead Paint Abatement Area	Yes / No
Motor Adjustments in/out (+/-)	
Other	



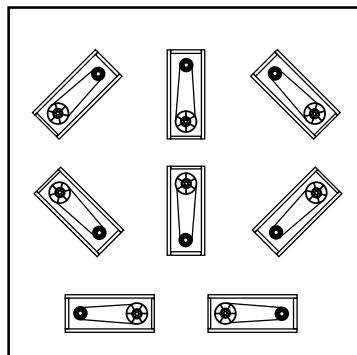
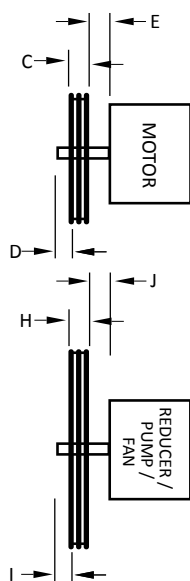
V-BELT GUARD DATA SHEET - PIVOT

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

CONTACT PERSON: _____

PHONE:_____ **FAX:** _____

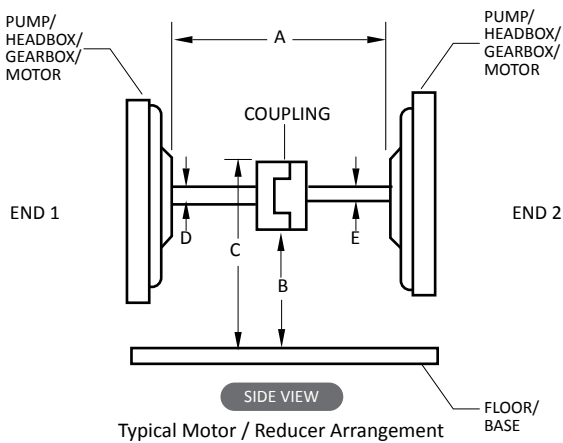
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EQUIPMENT #:_____

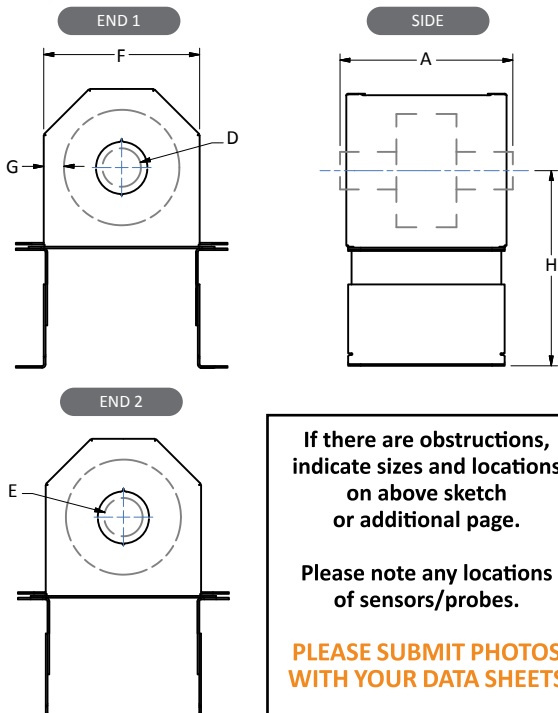
QUANTITY: _____

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



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 - 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	

SPECIFY GUARD COATING COLOR

ITEM	PLEASE INDICATE
Guard Body	Yellow/Black/Other

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

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

**Please note any locations
of sensors/probes.**

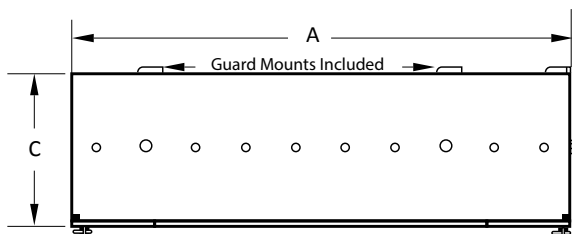
**PLEASE SUBMIT PHOTOS
WITH YOUR DATA SHEETS**



PILLOW BLOCK BEARING GUARD DATA SHEET

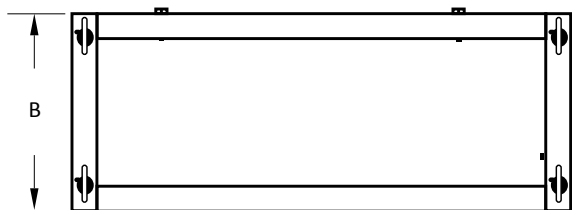
COMPANY: _____
 CONTACT PERSON: _____
 LOCATION: _____
 PHONE: _____ FAX: _____
 EMAIL: _____
 EQUIPMENT #: _____

PLEASE SUBMIT PHOTOS WITH YOUR DATA SHEETS

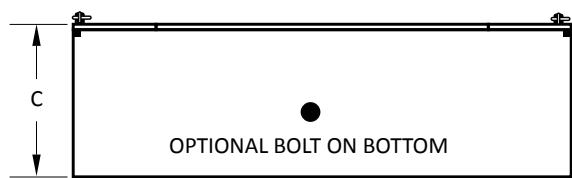


TOP VIEW

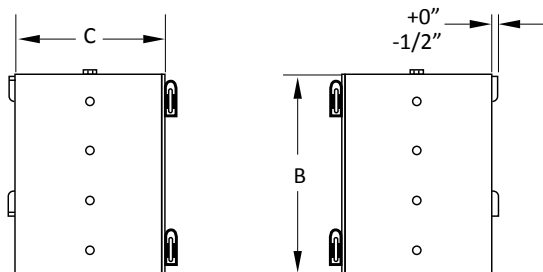
If there are obstructions, indicate sizes and locations.



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	
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.

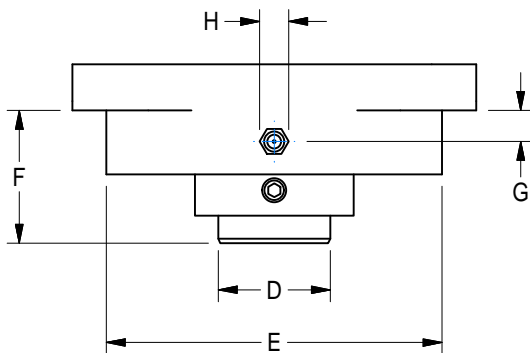
Typically Bearing Guards have an open back and a removable front panel/guard. Please make note if special circumstances/requirements need to be considered (back, panels, etc.)



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	

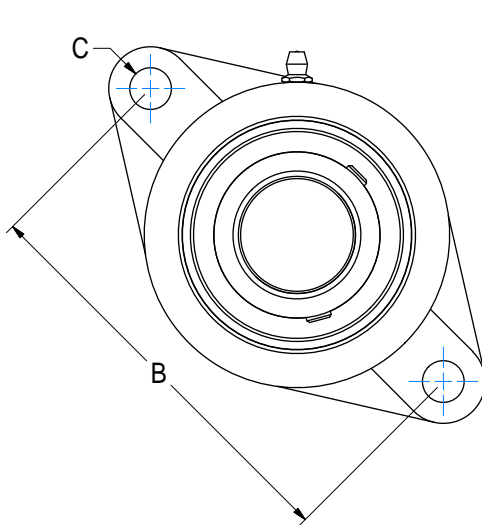
OTHER DATA (IF KNOWN)

Bearing Type	
Manufacturer	
Model #	

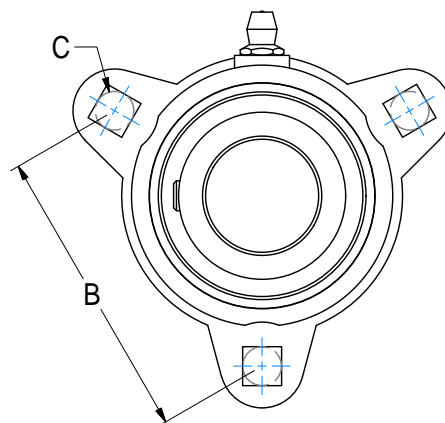
SPECIAL REQUIREMENTS

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	

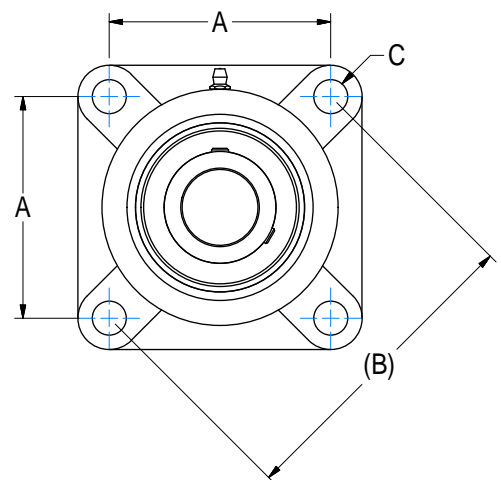
Please circle correct bolt pattern you require



2 BOLT



3 BOLT



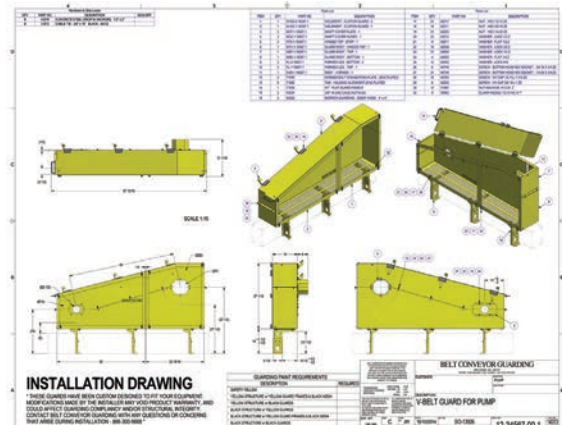
4 BOLT



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

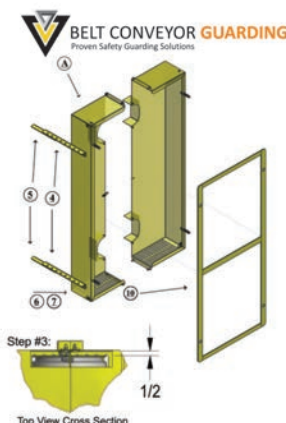


ASSEMBLY AND INSTALLATION

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

Welder
Cut off torch/chop saw
Clamps
Ratchet
Socket
3/4" and 9/16" wrenches
Pen or marker
Hand drill
7/16" drill bit

Hardware List

V-belt guard left side with wedge clamps
V-belt guard right side with wedge clamps
Front guard panel
Mounting angles
Nuts, Bolts and Lock Washers
Tie wraps

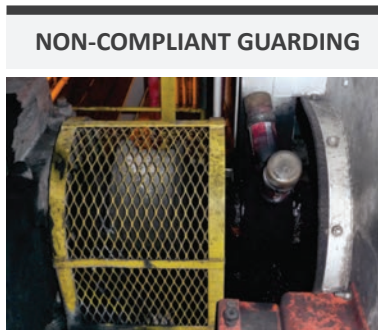
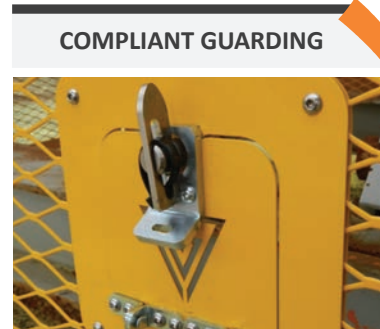
Installation

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.

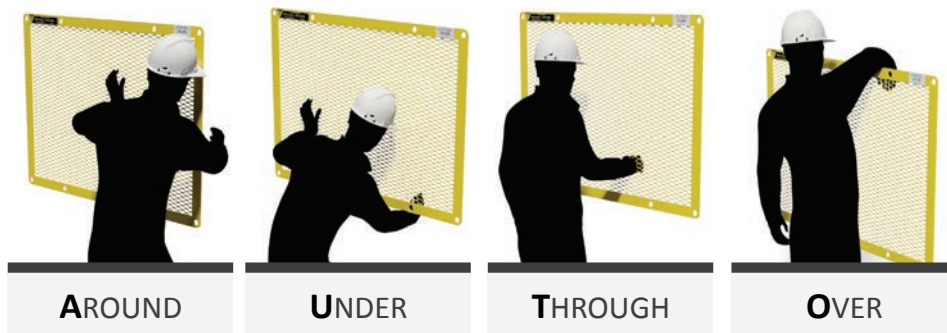


ARE YOUR SAFETY GUARDS COMPLIANT?

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.

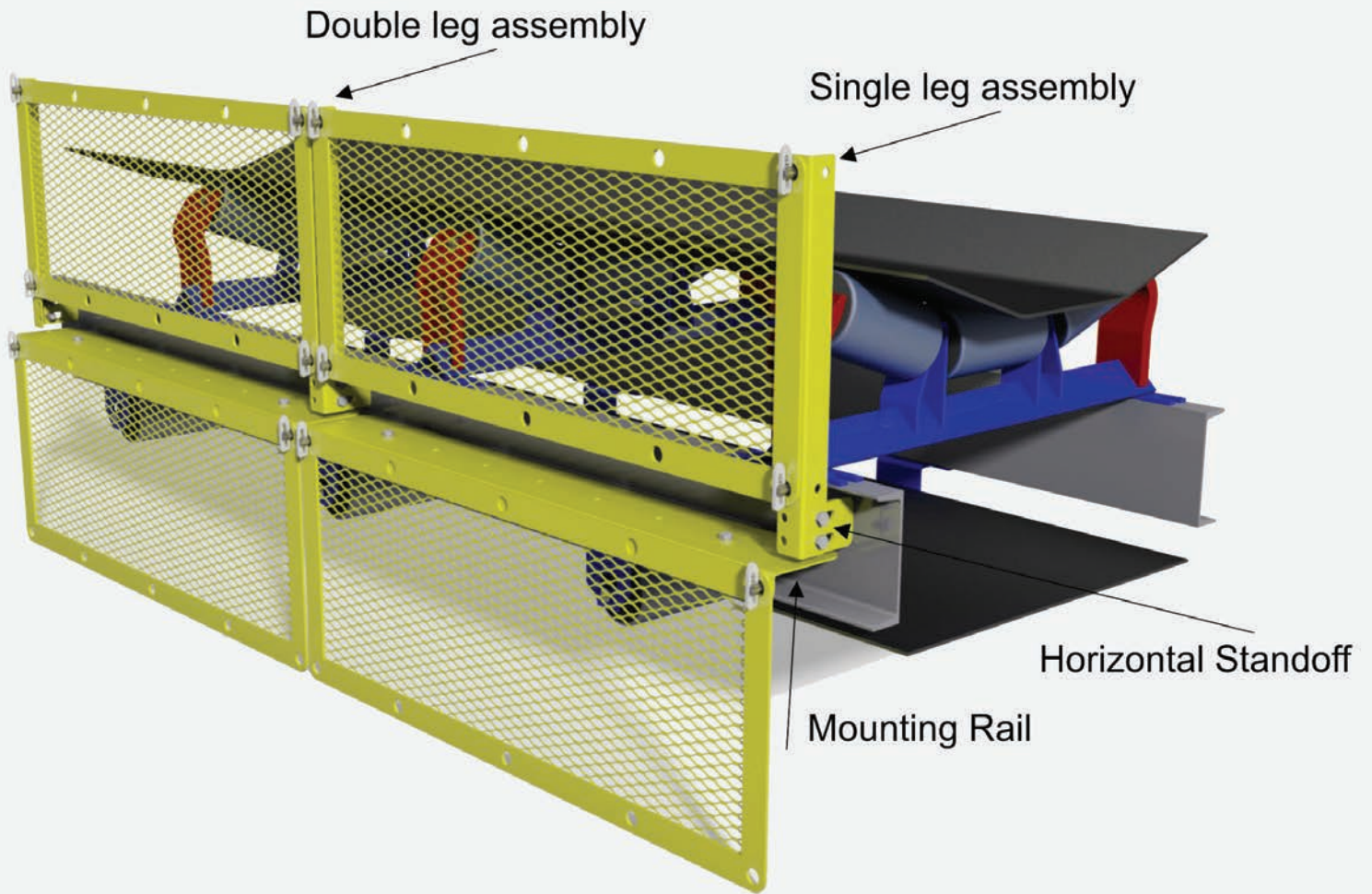


Although there are many detailed rules and regulations surrounding safety guarding compliance, it all starts with one basic question:
IS IT POSSIBLE TO REACH **AROUND, UNDER, THROUGH OR OVER (AUTO)** YOUR GUARDING AND CONTACT THE HAZARD?



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



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