Guard installation Precautions

- Before assembly or disassembly of the coupling guard is performed, the motor must be de-energized, the motor controller/starter put in a locked-out position and a caution tag placed at the starter indicating the disconnect.
- Replace coupling guard before resuming normal operation of the pump.

Uniguard Machine Guard Company assumes no liability for avoiding this practice.

Tools Required

- Philips Screw Driver
- Socket Driver
- One 3/8" hex head socket wrench
- One 3/8" open end wrench

⚠ WARNING

NOTE: Before installation make sure power source is disconnected and locked out according to proper procedures.

Complete Unit

Adapter Ring

Clear Cover

Mounting Bolts

Flat Washers

Nuts

Lock Washers

Label

Instructions

Assembly:
Uniguard's Type UniClear Guard design allows complete assembly in about 3 to 5 minutes.

⚠ WARNING

OSHA, ANSI & ASME Requires entire width of rotating element to be shielded. For further information visit the OSHA Web site at www.osha-slc.gov., Standard -29-1910.219

1. Open box and remove guard.

Fig. 1

2. Next, unbolt two bolts on the UniClear cover with a 3/8" socket wrench to separate the cover from the adapter ring bracket. Lay the UniClear cover away from the adapter ring mounting bracket.

Fig. 2

3. Unbolt the top of the adapter ring mounting bracket with a Phillips Screw Driver.

Fig. 3

4. Slip the bracket under the bearing frame of the pump and reattached the bolt at the top of the adapter ring mounting bracket (Some adapter ring mounting brackets may require modification to slip this bracket under the bearing frame of the pump).

Fig. 4

5. Once the adapter ring mounting bracket is reattached, slip the UniClear cover under the bearing frame of the pump securing the UniClear cover ribs into the adapter ring mounting bracket.

Fig. 5

6. Once secured, reinstall UniClear cover bolts.

Fig. 6

7. Alert employees and reduce liability to potential hazards. Adhere supplied ANSI Z535 Safety Label to an area of the coupling guard most noticeable by employees.

Fig. 7

OPTIONAL NOTE:
If a seal flush line exist, Uniguard recommends installing a hex nipple to the seal just long enough to clear the outside of the UniClear cover. Drill a hole in the Uniclear cover ¼" larger that the hex tubing to remain safety compliant and reattach the flush line to the hex tubing.

Machine Guarding Basic Requirements

- Prevent contact: The safeguard must prevent hands, arms and any other part of a operator's body from making contact with dangerous moving parts. A good safeguarding system eliiminates the possibly of the operator or another worker placing parts of their bodies near hazardous moving parts.
- Secure: Operators should not be able to easily remove or tamper with the safeguard, because a safeguard that can easily be made ineffective is no safeguard at all. Guards and safety devices should be made of durable material that will withstand the conditions of normal use. They must be firmly secured to to the machine.
- Protect from falling objects: The safeguard should ensure that no objects can fall into moving parts. A small tool which is dropped into a cycling machine could easily become a projectile that could strike and injure someone.
- Create no new hazards: A safeguard defeats its own purpose if it creates a hazard of its own such as a shear point, a jagged edge, or an unfinished surface which can cause a laceration. The edges of guards, for instance, should be rolled or bolted in such a way that they eliminate sharp edges.
- Protection: Machine guards must protect the operator and other employees in the machine area from hazards created at the point of operation, ingoing nip points, rotating parts, flying chips and sparks.
- Area: All pulleys, belts, shafts, couplings, gears etc. that are within 7 feet of the floor or working level require proper machine guarding.
- Create no interference: Any safeguard which impedes an operator from performing the job quickly and comfortably might soon be overridden or disregarded. Proper safeguarding can actually enhance efficiency since it can relieve the operator's apprehensives about injury.
- Allow safe lubrication: If possible, one should be able to lubricate the machine without removing the safeguards. Locating oil reserviors outside the guard, with a line leading to the lubrication point, will reduce the need for the operator or maintenance operator to enter the hazardous area.

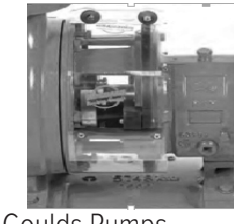
OSHA compliant opening size (in inches)	
Distance of opening from Point of Operation Hazard (inches)	**Less than the width of opening (inches)**
1/2 to 1 1/2	1/4
1-1/2 to 2-1/2	3/8
2-1/2 to 3-1/2	1/2
3-1/2 to 5-1/2	5/8
5-1/2 to 6-1/2	3/4
6-1/2 to 7-1/2	7/8
7-1/2 to 12-1/2	1-1/4
12-1/2 to 13-1/2	1-1/2
15-1/2 to 17-1/2	1-7/8
17-1/2 to 31-1/2	2-1/8

UNIGUARD Machine Guards

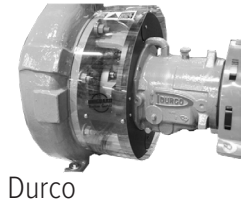
Non-Metallic Engineered Guard Options

UniClear Guards

Available for all sizes of Gould's Pumps 3196 ANSI Standard Process Centrifugal Pumps, and many Durco and Sulzer ANSI Pump Models.



Goulds Pumps



Durco

Sulzer

Uniguard UniClear Guards are made to fit Goulds Pumps, Durco, and Sulzer ANSI pumps. They may fit others similar models.

To learn more about Uniguard Machine Guards visit:
www.uniguardmgc.com.

To watch the installation of the UniClear Guard visit:
https://www.youtube.com/watch?v=q-Kzs9DmjGI

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UNIGUARD Machine Guards

TOUGH • SAFE • SIMPLE

Installation Instructions for Uniguard©
Type - UniClear Guard

Features:

- Safety Compliance Assured
- Saves Design & Labor Cost
- Maintenance free - Never dents, rusts or need painting
- Off-the-Shelf Availability - kit and many custom guards
- Eliminates costly engineered or in-house fabricated guards

THANK YOU FOR CHOOSING UNIGUARD MACHINE GUARDS

Your comments, questions, and suggestions are very important to us. Please feel free to call us at: 888-549-4622

MADE IN U.S.A.