



MEASURING INSTRUCTIONS FOR ADJUSTABLE BARREL GUARDS (ABG)



Guard Type: ABG – Adjustable Barrel Guard

Complete these forms in their entirety:

- “Uniguard Customers Name” is who is purchasing the guard from us.
- “Uniguard Customers Contact” information allows us to contact the correct person if questions arise during production
- “Equipment Mfg. & Model” allows us to capture information for future production.
- “Quantity” needed to quote
- “Equipment Numbers” allows the customer to know where the guard is to be installed within their facility

Things to consider:

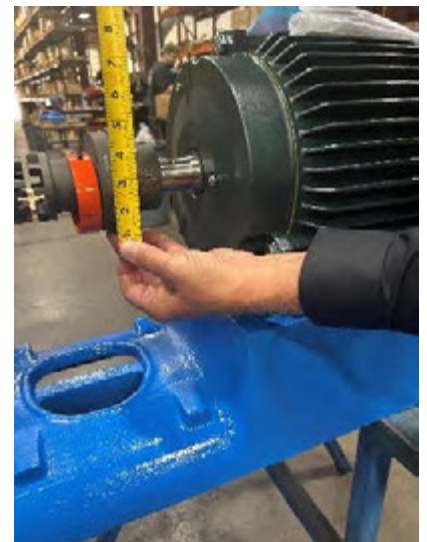
- Utilize this guard if the adapter can be mounted to the equipment as it allows for an adjustable length.
- OSHA is concerned with the amount of shaft exposure and your ability to reach it. Consider using the Gotcha stick as your distance gauge.
- Inspection windows are added after the guards are installed and the barrels are fully extended to the face of the equipment.
- Field modifications can be made when you are unable to determine all measurements and clearances.
- Spacers can be added to the COG plates and or the end caps.
- COGS are normally 1-piece but can be 2-piece when required.



Measuring Instructions

1. Determine the diameter of guard needed by measuring diameter of the coupling and the distance below the coupling to the 1st obstruction.

Ex. Uniguard utilizes a 0.25” slot in it’s barrel guards. This size slot requires a 2.5” distance away from the rotating element. If you had a 3.0” coupling plus a 2.5” radial clearance around the rotating element would require an 8.0” diameter guard.





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2. Determine the optimal guard length by measuring the distance between the face of the motor to the face of the pump where the adapter plate will be mounted. When possible, compare this midpoint to Uniguards stock guard midpoints and when possible, utilize one of our standard minimum and maximum length dimensions. Utilizing one of our standard minimums/maximum length barrel guards allows us to reduce our lead-times. A general rule of thumb is to add/subtract 2.0" from your midpoint to determine your minimum length and maximum length.



3. Create COG specifications:

- a. Calculate the "bolt hole circle diameter" pattern when coupled by measure the distance between bolt holes and counting the number of holes to be used to mount the COG utilizing tools as

https://littlemachineshop.com/mobile/bolt_circle_dia.php





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3. Create COG specifications:

- b. Measure the inside COG diameter dimension needed to clear any rotating or stationary obstructions.



4. Determine the End Cap ID.

When possible, please utilizing one of our standard End Cap ID's allows us to reduce our lead-times. Remember, the End Cap ID and shaft ID are immaterial as long as the end cap is extended as close as possible to the face of the equipment utilizing the Gotcha stick.