



# Ferndale

Safety

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<https://www.ferndalesafety.com>

## MODEL TA SURFACE GRINDER SAFETY GUARD

### INSTALLATION GUIDE



# INTRODUCTION

Thank you for your purchase of this custom safety guard for surface grinders. This safety guard has been custom made to fit your specifications. You should have received a drawing confirming dimensions. Please make sure that the safety guard has the correct dimensions before installing the safety guard. Also please make sure that there has been no damage during transport.

## Package Contents:

1x Custom safety guard model FER-TA  
Options may include:  
Installation brackets  
Safety interlock switch with cable

## Required tools and accessories:

¼"-20 bolts + washers, nuts and lock washers  
Drill with drill bit set  
¼"-20 Tap (optional)

## Optional:

Custom made brackets may be required in addition to the angle brackets supplied. Some machines with molded or curved table ends may need additional brackets. Please contact us if you require any custom brackets to be manufactured or you may make your own.

This product has been made to our highest quality standards. Features include a sturdy aluminum frame, with impact resistant polycarbonate screens. This safety guard has been built for industrial usage using high quality material for years of service.



Fig.1 - Typical installation

## Installation

Installation of this guard is straightforward and easy dependent on proper dimensions. This safety guard can be mounted directly on the table over top of any existing barriers or covers. Notice how the safety guard encloses the existing side guards and mounts directly to the table (Fig.1).

Use the provided angle brackets (Fig.2) to secure the safety guard onto the table of the surface grinder. Note that these brackets can be moved by loosening or removing the two bolts. The brackets can be moved anywhere (inside or outside) the guard. Behind the two bolts are moveable steel T-nuts that can be removed and repositioned. (Fig.3)

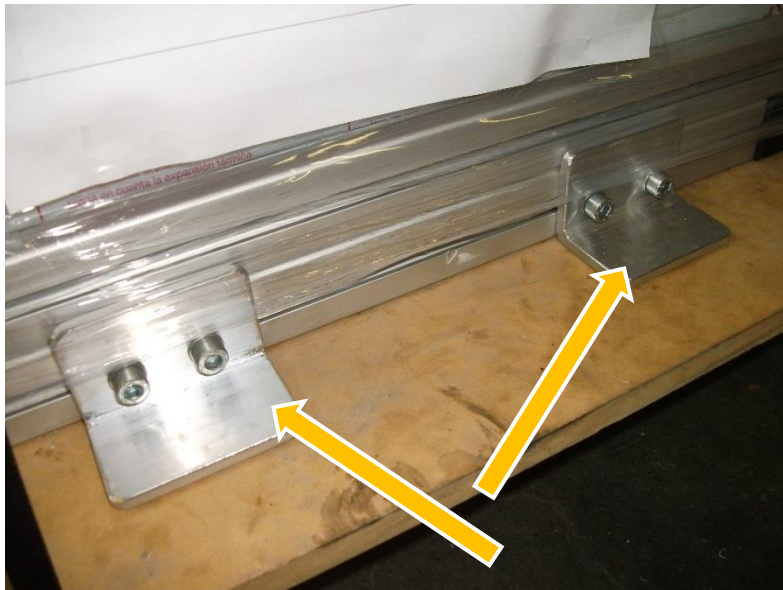


Fig.2

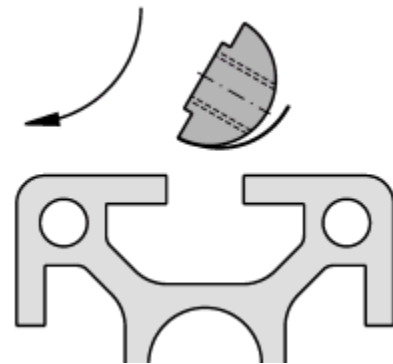


Fig.3

You will need to make your own holes in the bottom side of the angle brackets provided. We recommend using 1/4"-20 bolts and drilling.

Once the safety guard is properly positioned and mounted, remove the protective film off the polycarbonate windows. Make sure that the doors open and close properly.

# Electrical Connection

We supply an electrical interlock switch and cabling. (Fig.4) The switch is a positive action device with two normally closed contacts. Put the supplied black and white wires into your hydraulics and/or spindle control circuit to stop and prevent the table/spindle from moving.

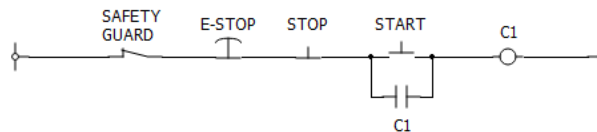
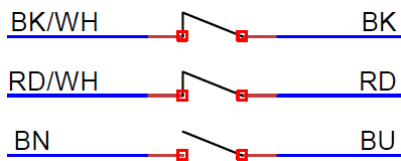
## Electrical Characteristics

Operational characteristics: 3A @ 240VAC, 0.1A @ 240VDC  
Mechanical durability: 100000 operating cycles  
Ambient air temperature: -25 to +70 °C



Fig.4 (May differ from actual product)

Wire Color Codes and Sample Wiring Diagram:



**IMPORTANT:** Do not connect the switch directly to the motor. The switch was not designed to handle motor loads. Wire the switch inside the control circuit only.

If you require any help with this, please call us at 855-326-1243.