Push Bar Installation

ShopBot Tools, Inc.
3333-B Industrial Drive,
Durham NC 27704
ShopBotTools.com

Technical Support
support@shopbottools.com
1-888-680-4466

Revision History

Date:	ECO:	Change:	Changed By:
2015 11 20	405	Install document written to comply with ECO	Joshua T.

Introduction

The push bars create a physical barrier around the cutter/gantry. Their purpose is to keep obtrusive objects out of the cutting head's range of motion and give any personnel time to clear it. Machine motion will still be enabled even when an object has been hit.

Note that these are not the same as the switched safety bars, which will disable machine operation when hit. This accessory only serves as guard rails.

These bars can be added as additional safety on PRS models and PRT models with the extruded table sides.

Installing the push bars

Tools needed:
-5/32" Allen wrench or drive
-7/16" socket with ratchet and extension.

Parts list:
-2 x Yellow push bar (P/N depends on gantry size)
-8 x ¼-20 connector bolts (P/N 003802)
-8 x 5/8" lock washers (P/N 000845)
-8 x ¼-20 nylock nuts (P/N 000454)

Mount the two assemblies onto gantry using **(8) ¼-20 x 20mm connector bolts (P/N 003802), (8) 5/8" Lock washers (P/N 000845), and (8) ¼-20 Nylock hex nuts (P/N 000454).** Orient the assembled bar so the bar is angled in the up position. Use these components to mount the bars to the gantry as shown below.
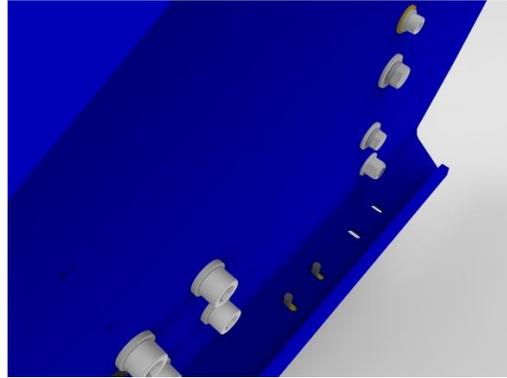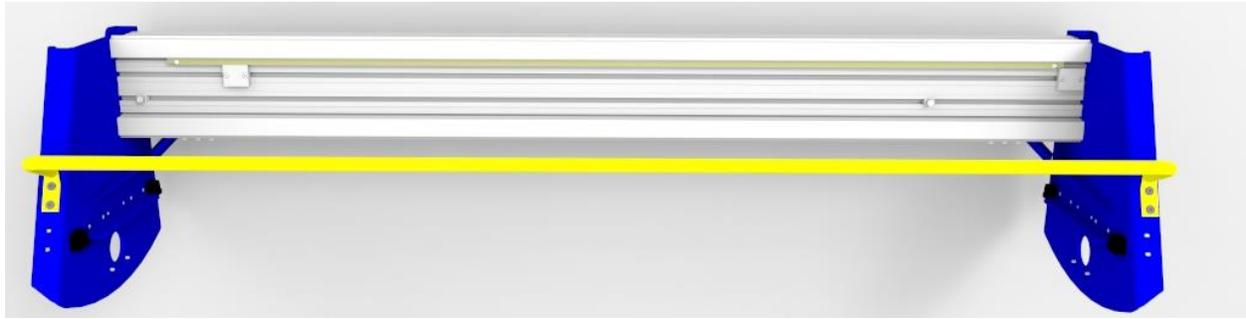
Insert the lower screw to support the bar at each end, then insert the upper screw and attach the washers and nuts on the back of gantry.

To make installation easier, use a drill or cordless screwdriver to torque down each bolt. Use a deep socket with drive extension to reach the nuts inside the gantry.