

DRO PROS

The Digital Readout Experts

Cutting Scales Worksheet - 3 Axis Mill

- NOTES, WARNINGS & CAUTIONS -

It's not "necessary" to cut the scales. You should only cut the scales if shortening them makes sense for your particular installation. DRO PROS recommends favoring X Max when cutting; a longer scale makes mounting the readhead much easier. Sometimes, X Max can be less than X Min - **Never cut a scale less than X Min!**

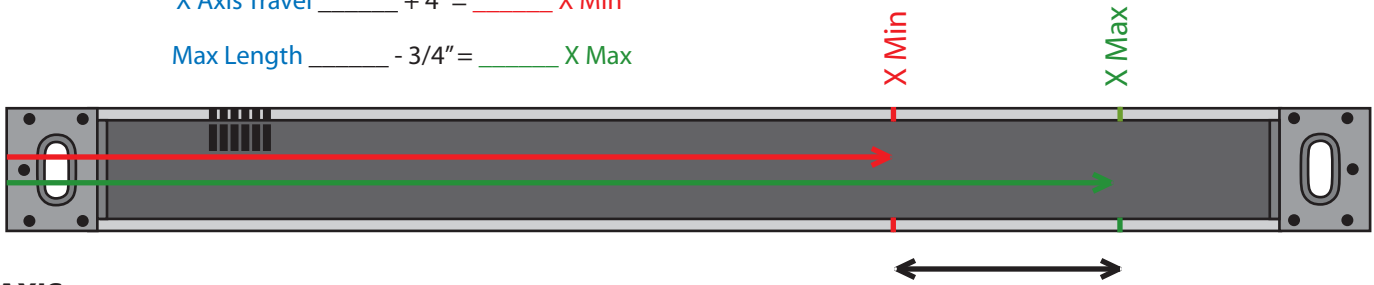
X AXIS

_____ X Axis Travel - Measure the full travel of your machine. Remember, power feed stops can limit the overall travel, so make sure and measure without the stops in place.

_____ Max Length - Measure the length of your table. This is the longest possible scale length which would conveniently fit on your table.

X Axis Travel _____ + 4" = _____ X Min

Max Length _____ - 3/4" = _____ X Max



Cut between X Min and X Max.

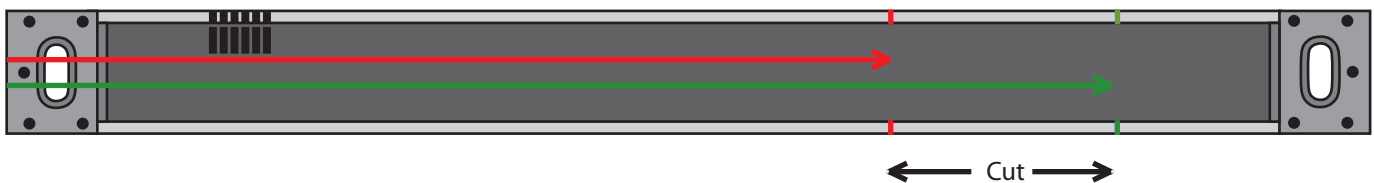
Y AXIS

_____ Y Axis Travel - Measure the full travel of your machine.

_____ Max Length - Measure the longest possible scale length which would conveniently fit on the base of your machine.

Y Axis Travel _____ + 4" = _____ Y Min

Max Length _____ - 3/4" = _____ Y Max



Cut

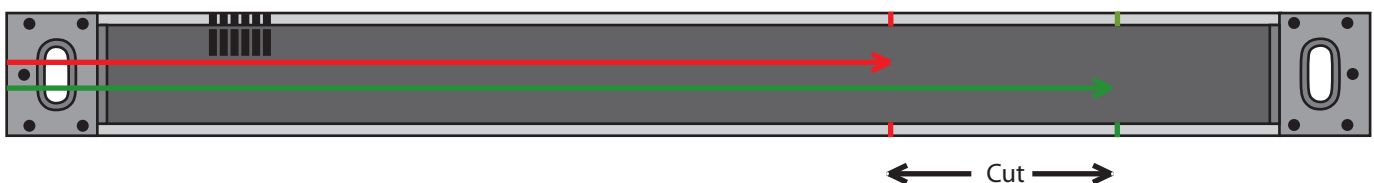
Z AXIS

_____ Z Axis Travel - Measure the full travel of the knee or column, depending on machine type.

_____ Max Length - Measure the longest possible scale length which would conveniently fit on the knee of your machine.

Z Axis Travel _____ + 4" = _____ Z Min

Max Length _____ - 3/4" = _____ Z Max



Cut