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| stage\_122-0070.SLDASM | <http://optosigma.com/products/manual-positioners/steel-extended-contact-bearing-stages/steel-extended-contact-bearing-stages/122-0070> |
|  |  |
| BOLT  1/4-20, L=3/8'' (9.53mm) | <http://www.mcmaster.com/#93235a534/=u1nzs8> |
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Shimadzu\_Gratings:

<http://www.shimadzu.com/products/opt/dif/oh80jt0000001nqa.html>

The 30-002 1200 l/mm grating is a drop in replacement for the Hatachi  
gratings that we currently use at ALLS and at the NRC.  We may also want  
to get a 30-001 2400 l/mm grating which will give us better resolution for  
photon energies above 100 eV.

~Andrew

Shimadzu C/N 30-001 replaces with Hitachi 001-0450   
Shimadzu C/N 30-002 replaces with Hitachi 001-0437   
Shimadzu C/N 30-003 is unique and it is Shimadzu original grating.

C/N 30-003 is designed with wavelength range between 1-7nm   
and this grating can be used in a monochromators designed for Hitachi   
001-0437 (C/N30-002)   
if C/N 30-003 is shifted by 8.8mm.   
This is shown in the attached.

Base the design on the

**Stainless Steel Extended Contact Bearing Stages**

From Optosigma

<http://optosigma.com/products/manual-positioners/stainless-steel-extended-contact-bearing-stages/stainless-steel-extended-contact-bearing-stages>

#### Rotation Stages

<http://optosigma.com/products/manual-positioners/rotation-stages/rotation-stages>

# **Mirror Mount**

Newport

[http://search.newport.com/?q=\*&x2=sku&q2=P200-AI28](http://search.newport.com/?q=*&x2=sku&q2=P200-AI28)