

## METAL SPACER WITH MTM BRACKET

Product No. 8091-2



Figure 1: Metal Spacer Ring with MTM Bracket, shown with Crystal Holder (not included)

### DESCRIPTION

The optional 8091-2 Metal Spacer Ring has an added MTM Crystal Holder bracket (Crystal Holder not included) allowing the Crystal Holder to be attached to the side of the chamber. Attaching the Crystal Holder in this location gives room for the Large Sample Table #9660-100 with the MTM-10 or MTM-20 on the Rotary-Tilting Stage #9660.

To give additional room for larger or taller samples, this bracket can be used with either 150 mm Rotary Stage option when used on the Cressington 108C Auto/SE #9603/9603-220, 108 Auto/SE #7009/7009-220, along with the High Vacuum 208HRD Sputter Coater and 208C Carbon Coater.

The 8091-2 Metal Spacer Ring is 150 mm diameter x 15 mm tall, machined aluminum. O-ring included.

### INSTALLATION



**WARNING!** When using a Rotary Stage with Crystal Holder, make sure the Crystal Holder cable is positioned away from the rotating tables along the inner diameter of the chamber. Verify that the cable is not touching the rotating tables and will not interfere with them or the manual tilt. Also, check that the Crystal Holder is pointing towards the target, and that the Crystal Holder Bracket is not touching the rotating tables or samples.

Below is an image labeling the components of the Cressington Sample Chamber. The example shown is for the 208HRD, but a similar set-up is used when either the Rotary-Tilting Stage #9660 or Rotary-Planetary-Tilting Stage #9524 is used with the 108C Auto/SE #9603/9603-220, 108 Auto/SE #7009/7009-220, or 208C #9620, 9620-220, 9624, 9624-220.



Figure 2: 208HRD Chamber

The 8091-2 Metal Spacer Ring with MTM Bracket can be used in place of the Metal Spacer Ring above the Rotary Stage. The Crystal Holder and Crystal Holder Cable will need to be removed from the Rotary Stage. The Crystal Holder is held to the Rotary Stage Bracket by a screw. After the Holder and Cable are removed, the unused bracket should also be removed.



Figure 3: Crystal Holder and Cable on 208HRD

The Crystal Holder can then be attached to the Metal Spacer Ring with MTM Crystal Holder Bracket as shown in Figure 1. When assembling, make sure the Crystal Holder Cable and Bracket are clear of the stage rotation, tilt, and samples.