

## 8-ID-E GIXS-diffractometer for Cycle 2010-3

Diffractometer operating without wedge for the upper segment (theta) has working distance:

500 mm from top plate to center of rotation

The components currently in place and their heights are (from bottom to top):

<b>Component</b>	<b>Height (mm)</b>
Adapter plate: tilt stage to spacers (1.25" thick)	31.75
Spacers : 3 x 1"	76.2
Adapter: spacers to samx/samy (0.5" thick)	12.5
Huber 2-axis translation (samx/samy)	62
Huber elevation stage (samz)	90-130
Adapter: samz to phi	6.25
Huber rotation stage (phi)	70
Cu block with tubing for circulating chiller	25.4
Vaccum sample chamber (bottom to sample height)	110
<b>TOTAL:</b>	484.1 - 524.1