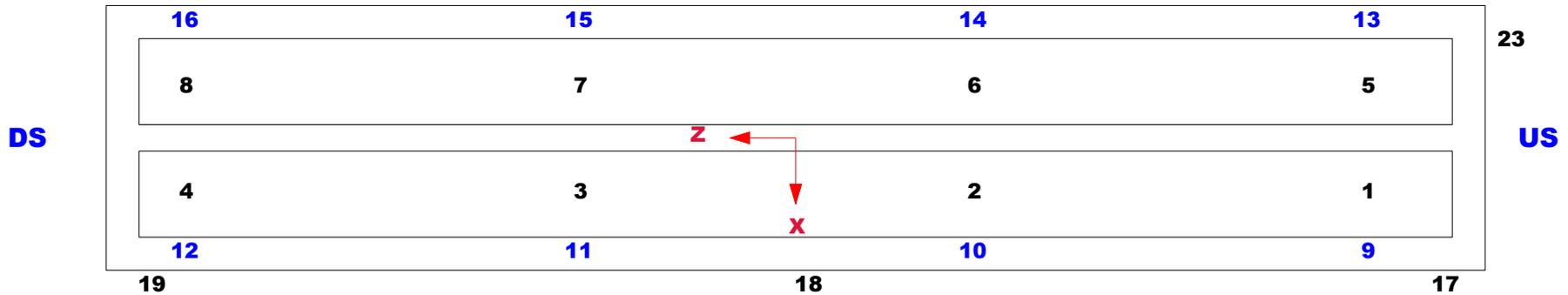


**.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 9	429.958	-0.057	-1489.506
TB 10	430.015	0.047	-524.058
TB 11	429.992	-0.017	523.618
TB 12	429.956	-0.284	1489.163
TB 13	-430.091	-0.134	-1489.935
TB 14	-430.085	0.030	-524.744
TB 15	-430.020	0.336	524.065
TB 16	-430.038	0.138	1489.723

**1.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 1	98.755	135.672	-1666.138
TB 2	98.528	135.658	-556.361
TB 3	98.620	135.648	555.715
TB 4	98.236	135.612	1665.818
TB 5	-98.483	135.877	-1666.315
TB 6	-98.449	135.876	-556.341
TB 7	-98.580	135.875	555.742
TB 8	-98.252	135.885	1665.434
TB 17	471.566	-229.556	-1580.367
TB 18	472.235	-227.479	86.679
TB 19	472.637	-230.937	1579.499
TB 23	-404.967	-230.888	-1708.704



**Grider centerline in reference to Beam Pipe Locating Pins**

Dimensions in MM, Angles in Milliradians



**HGVPU - Pre-Tune Fiducials at 9mm Gap, Tooling Balls**

<b>Nominal Gap :</b>	<b>9.000</b>	<b>US Full :</b>	<b>8.999</b>	<b>DS Full :</b>	<b>8.9999</b>
<b>Nom. Taper :</b>	<b>0.000</b>	<b>US Wall Half :</b>	<b>4.5123</b>	<b>DS Wall Half :</b>	<b>4.5067</b>
		<b>US Aisle Half :</b>	<b>4.5079</b>	<b>DS Aisle Half :</b>	<b>4.5111</b>

<b>S/N</b>	<b>: HXU_025</b>
<b>Date</b>	<b>: 04-OCT-2019</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: 001</b>
<b>Cam Pos.</b>	<b>: B</b>