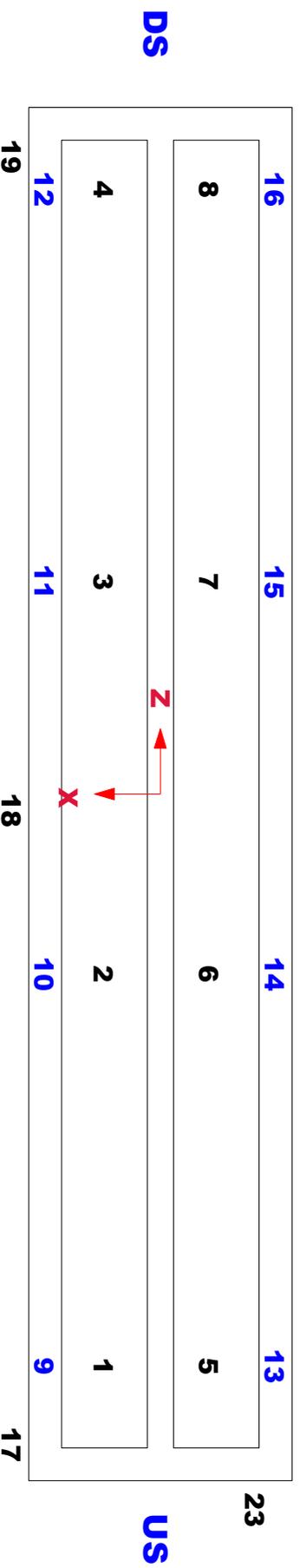


**.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 9	430.081	-0.473	-1489.203
TB 10	430.108	-0.347	-524.128
TB 11	430.154	-0.525	523.980
TB 12	430.251	-0.156	1489.415
TB 13	-430.169	0.243	-1489.586
TB 14	-430.112	-0.275	-524.167
TB 15	-430.001	-0.080	523.780
TB 16	-429.962	-0.121	1489.272

**1.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 1	98.615	135.939	-1665.395
TB 2	98.704	135.875	-555.820
TB 3	98.679	135.827	556.548
TB 4	98.840	135.822	1666.521
TB 5	-98.666	136.119	-1666.203
TB 6	-98.264	136.082	-556.031
TB 7	-98.603	136.033	555.726
TB 8	-98.487	135.986	1665.721
TB 17	471.751	-230.479	-1578.821
TB 18	471.713	-230.871	88.590
TB 19	471.721	-230.184	1580.780
TB 23	-405.213	-229.067	-1706.688



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

Dimensions in MM, Angles in Milliradians



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

Nominal Gap :	9.000	US Full :	9.000	DS Full :	8.9999	S/N :	HXU_032
Nom. Taper :	0.000	US Wall Half :	4.4983	DS Wall Half :	4.5020	Date :	03-AUG-2020
		US Aisle Half :	4.4976	DS Aisle Half :	4.5004	Data Set :	0001
						Run :	001
						Cam Pos. :	B