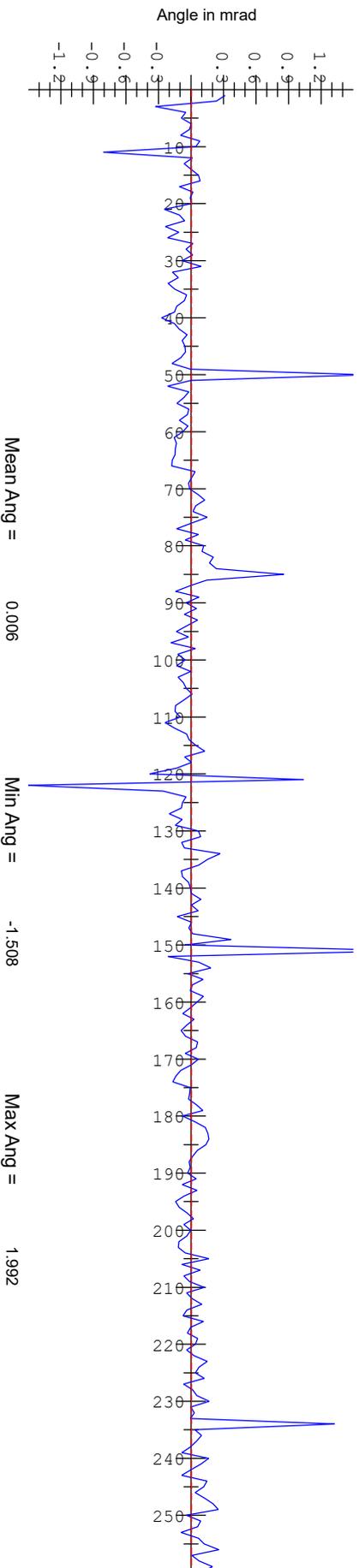


### Included Angle Between Pole Tips

Pole Tip Num. ----->

### Angle of Symmetry Line between Pole Tips to Tuning Gap ZX Plane



Dimensions in MM, Angles in Milliradians

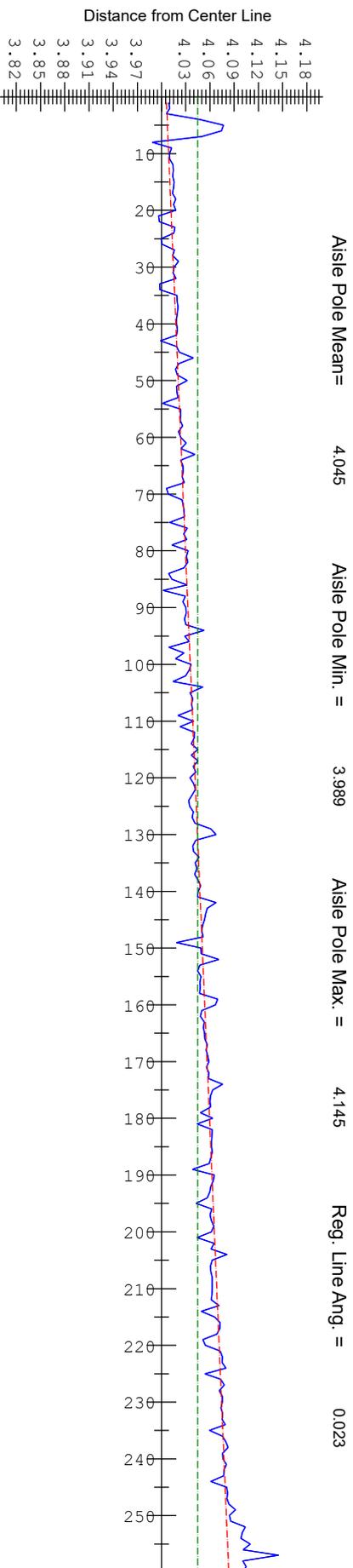


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METROLOGY

## HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1002
Nom. Taper :	0.100	US Wall Half :	4.0029	DS Wall Half :	4.0518
		US Aisle Half :	4.0023	DS Aisle Half :	4.0512

S/N	: HXU 014
Date	: 25-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



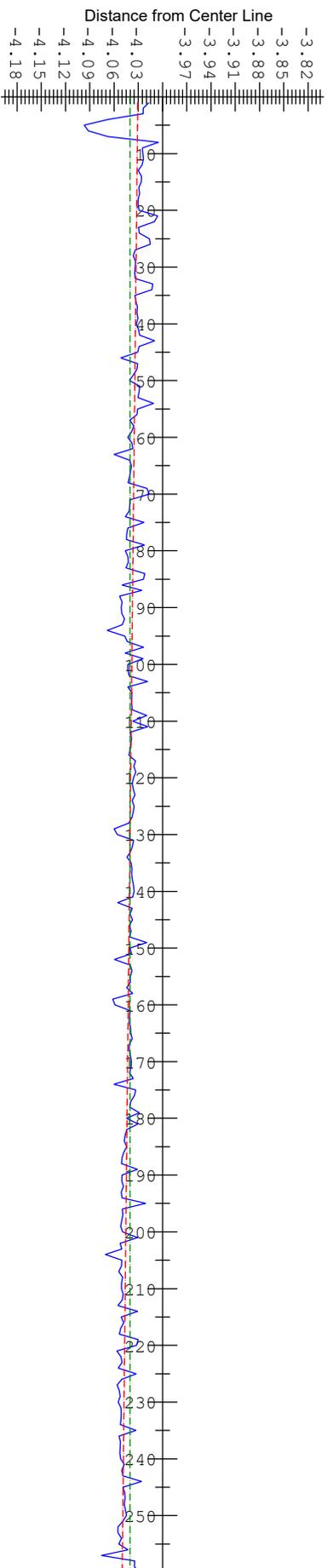
Pole Tip Num. ----->

### Aisle Pole Tips at Nom. Beam Height

Blue = Pole Tip points  
 Green = Mean line  
 Red = Regression line thru points

Minimum Clearance Gap = 7.977

### Wall Pole Tips at Nom. Beam Height



### Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1002
Nom. Taper :	0.100	US Wall Half :	4.0029	DS Wall Half :	4.0518
		US Aisle Half :	4.0023	DS Aisle Half :	4.0512

S/N	: HXU 014
Date	: 25-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

**Values Calculated from Regression Line End Points**

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	4.006	0.000	8.750	
US Wall Pole Tip(1)	-4.031	0.000	8.750	
US Sym. Pt.	-0.012			
US Gap				8.037
DS Aisle Pole Tip(260)	4.083	0.000	3375.750	
DS Wall Pole Tip(260)	-4.050	0.000	3375.750	
DS Sym. Pt.	0.017			
DS Gap				8.133
Taper				0.097

Dimensions in MM



**HGVPU - Gap Calc. from Regression Line End Points**

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1002
US Wall Half :	4.0029	DS Wall Half :	4.0518		
US Aisle Half :	4.0023	DS Aisle Half :	4.0512		
Nom. Taper :	0.100				

S/N	: HXU_014
Date	: 25-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B





**HGVPU - Pole Tip Deviation from Mean Line**

Nominal Gap : 8.000 US Full : 8.0000 DS Full : 8.1002

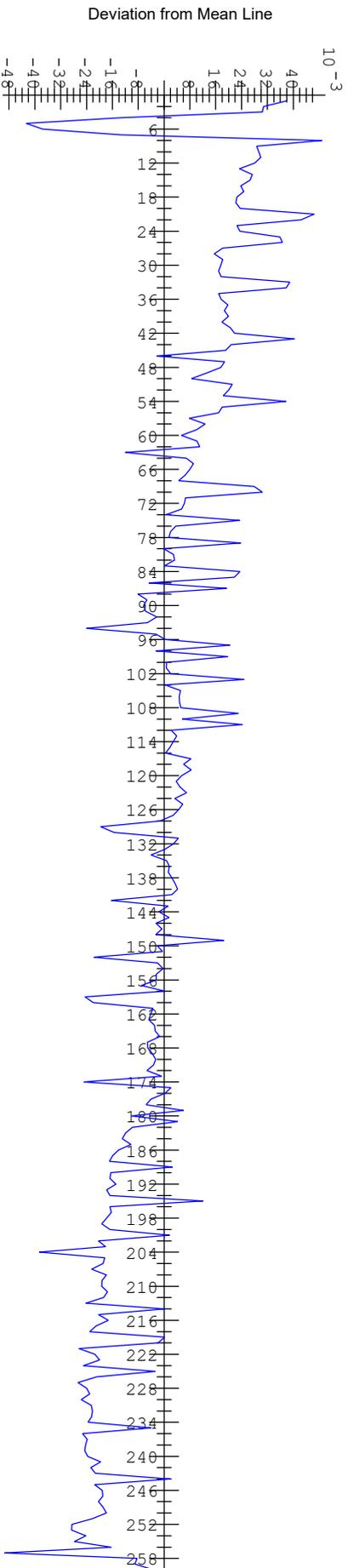
Nom. Taper : 0.100 US Wall Half : 4.0029 DS Wall Half : 4.0518

US Aisle Half : 4.0023 DS Aisle Half : 4.0512

S/N : HXU\_014  
 Date : 25-AUG-2020  
 Data Set : 0001  
 Run : FINAL  
 Cam Pos. : B

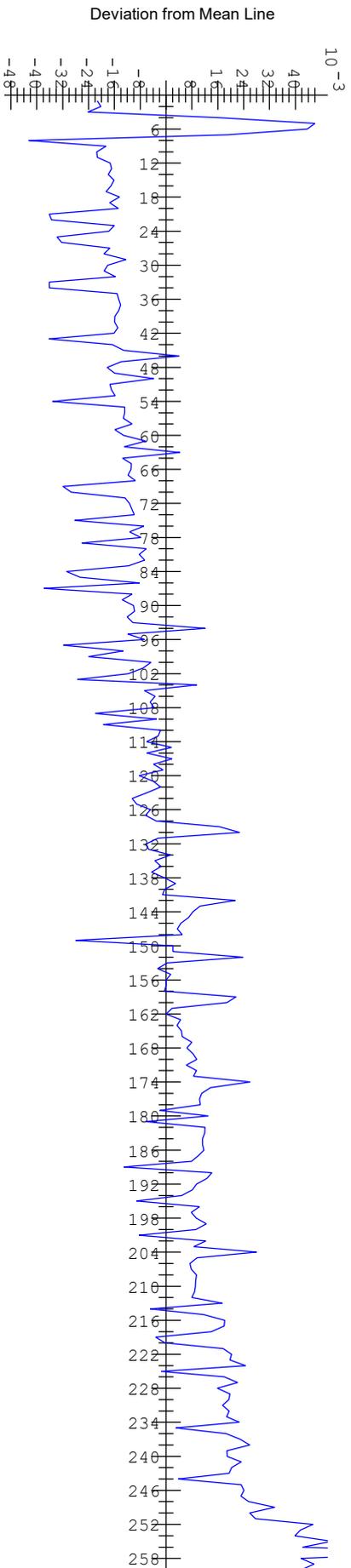
**Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane**

Dimensions in MM



Pole Tip Num. ----->

**Wall Pole Tips**



**Aisle Pole Tips**