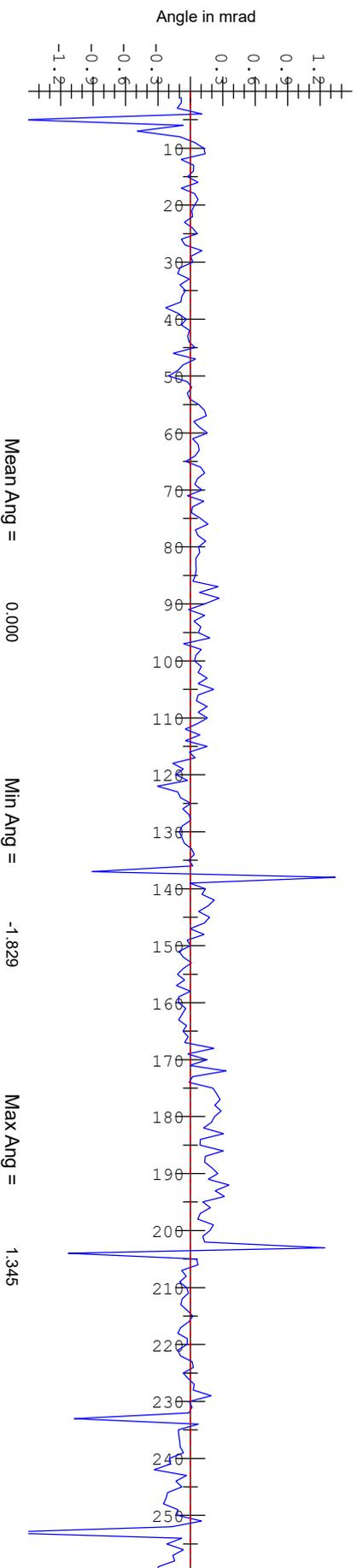


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



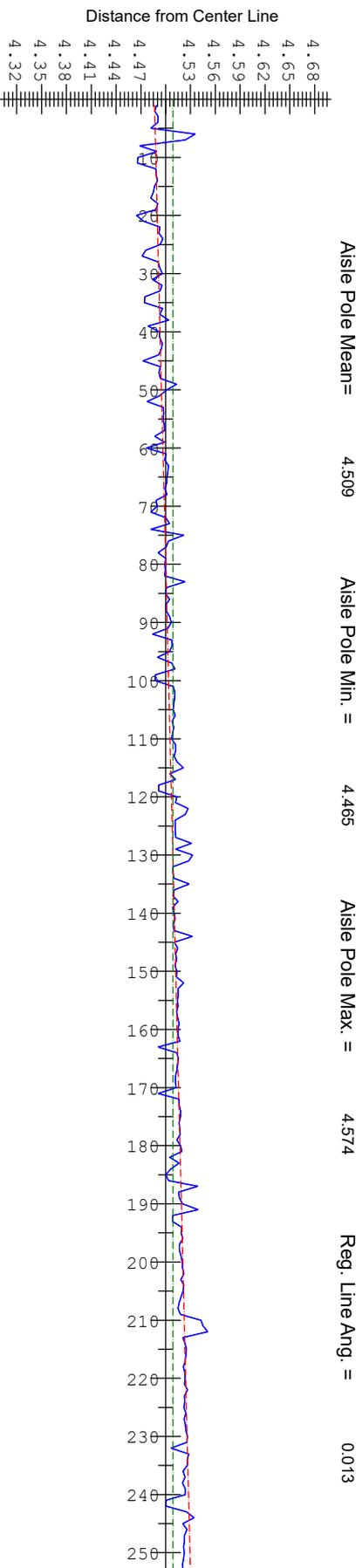
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	8.9997
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4989
		US Aisle Half :	4.4988	DS Aisle Half :	4.5012

S/N	: HXU 017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

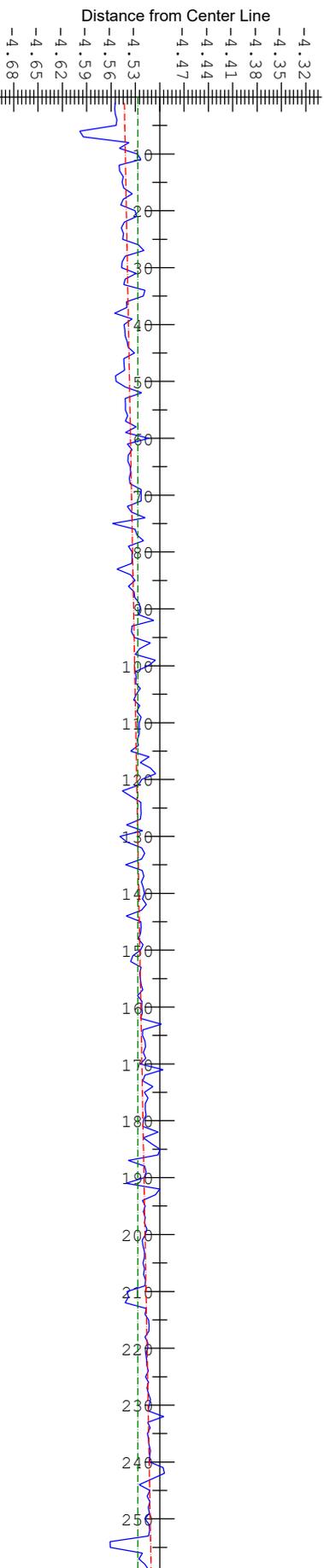


Aisle Pole Tips at Nom. Beam Height

Wall Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 8.929



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

	HGVPU - Pole Tip Location from Girder Centerline				
	Nominal Gap :	9.000	US Full :	8.9999	
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Full :	8.9997
		US Aisle Half :	4.4988	DS Wall Half :	4.4989
		DS Aisle Half :	4.5012	Run :	FINAL
		Cam Pos. :	B	S/N :	HXU_017
				Date :	02-OCT-2020
				Data Set :	0001

Values Calculated from Regression Line End Points

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	4.486	0.000	8.750	
US Wall Pole Tip(1)	-4.544	0.000	8.750	
US Sym. Pt.	-0.029			
US Gap				9.030
DS Aisle Pole Tip(260)	4.531	0.000	3375.750	
DS Wall Pole Tip(260)	-4.510	0.000	3375.750	
DS Sym. Pt.	0.010			
DS Gap				9.042
Taper				0.011

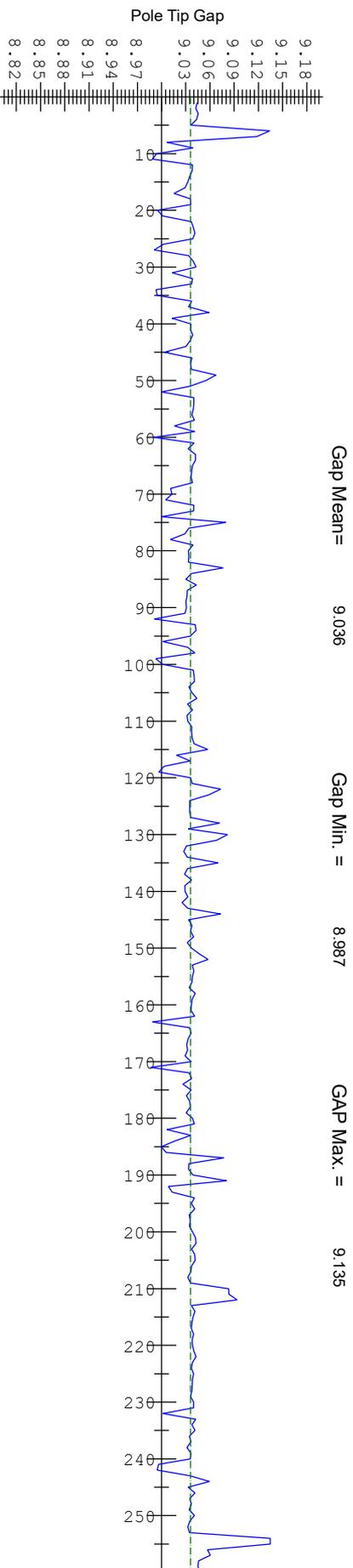
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	8.9997
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4989
		US Aisle Half :	4.4988	DS Aisle Half :	4.5012

S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
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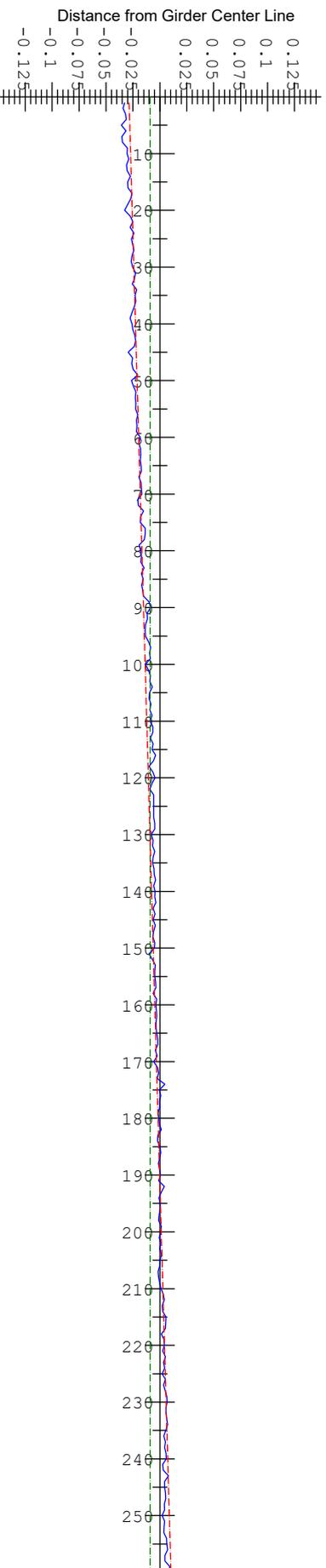


Pole Tip Gap at Nom. Beam Height

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

Pole Tip Num. ----->

Pole Tip Symmetry Point at Nom. Beam Height



Girder centerline in reference to Pointed Magnets

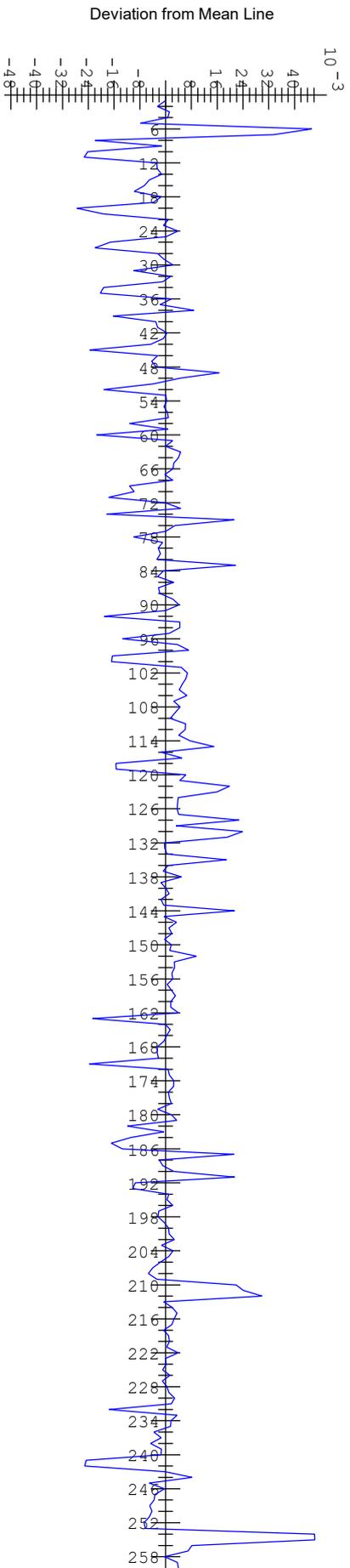
Dimensions in MM, Angles in Milliradians

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METROLOGY

HGVPU - Pole Tip Gap and Symmetry Point Location

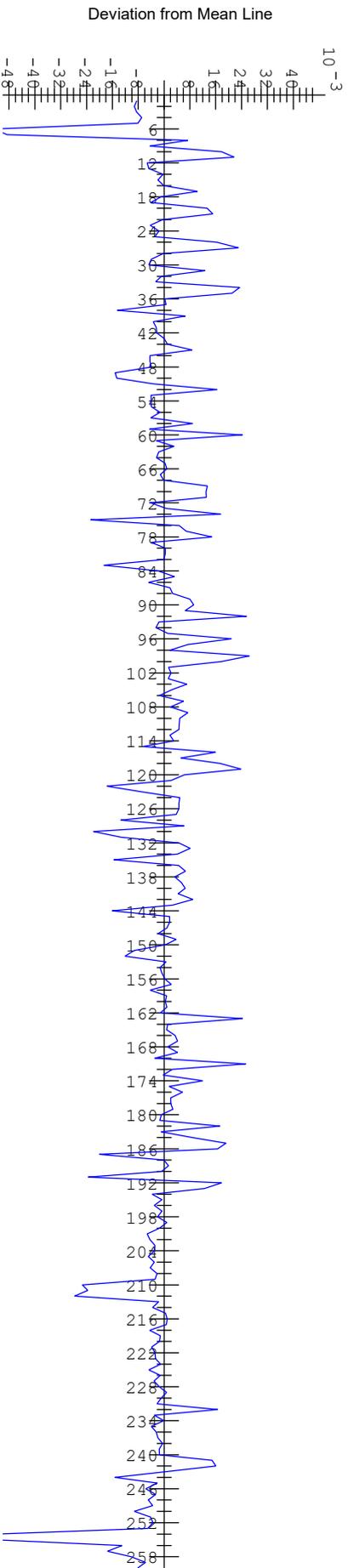
Nominal Gap :	9.000	US Full :	8.9999	DS Full :	8.9997
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4989
		US Aisle Half :	4.4988	DS Aisle Half :	4.5012

S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



Aisle Pole Tips

Wall Pole Tips



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

Dimensions in MM



HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	8.9997
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4989
		US Aisle Half :	4.4988	DS Aisle Half :	4.5012

S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B