



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Machie, P. Adderley

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FROM: Chris Gould

Checked:

: L1782

DETAILS:

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Below are the results of the three T-Electrode ceramic assemblies. The measurements have an associated reference letter that is shown on the attached drawings. It should be noted that the keyway on the "Ceramic with Flange" was assembled $\sim 90^\circ$ to the leak groove. Values are in inches and degrees.

PART	REFERENCE	IDEAL	MEASURED	DELTA	ANGLE
CERAMIC WITH FLANGE	A	6.342	6.337	-0.005	
	B	1.803	1.808	0.005	
	C	0.250	0.250	0.000	
	D	1.000	1.003	0.003	
	E	1.197	1.203	0.006	
	F	0.125	0.122	-0.003	
	CONCENT. Of 1.00		0.006		
	PERP. Of 1.00		0.003		0.156
	NOTE: KEYWAY IS ROT. $\sim 90^\circ$ TO LEAK	PERP. Of Keyway	0.011		0.608
					INCL. ANGLE
	TOP CONE				89.615
	BOTTOM CONE				10.977
PART	REFERENCE	IDEAL	MEASURED	DELTA	
CERAMIC W/O FLANGE	A		6.450		
	B	1.803	1.809	0.006	
	C	0.250	0.250	0.000	
	D	1.000	1.002	0.002	
	E	1.197	1.202	0.005	
	F	0.125	0.129	0.004	
	CONCENT. Of 1.00		0.001		
	PERP. Of 1.00		0.002		0.130
					INCL. ANGLE
	TOP CONE				89.599
	BOTTOM CONE				11.006

PART	REFERENCE	IDEAL	MEASURED	DELTA	ANGLE
CERAMIC AND CATHODE	A	8.000	7.985	-0.015	
	B	3.101	3.106	0.005	
	C	1.894	1.896	0.002	
	D	0.030	0.017	-0.013	
	E		0.014		
	F		0.004		0.141
	G		0.010		0.180



