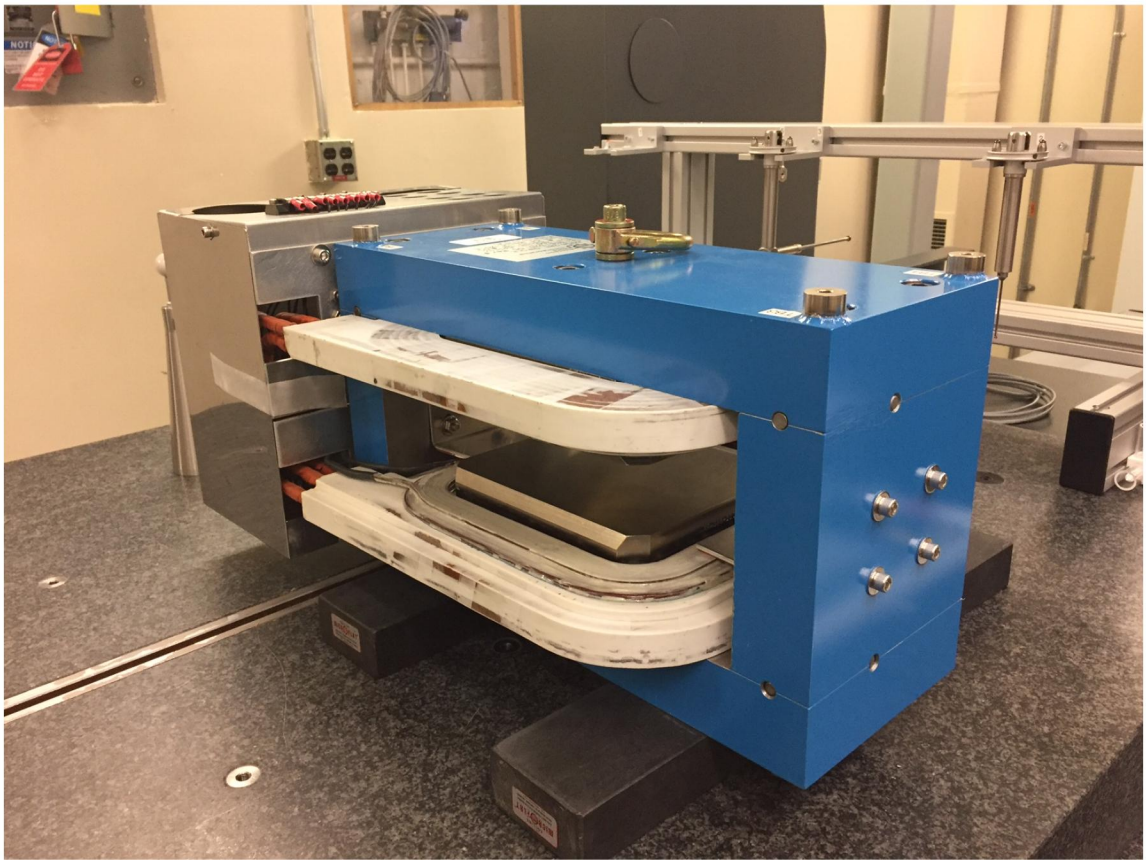
FACET II Magnet Fiducialization Report

1.69D6.28T Dipole



Inspector : K. Caban
Engineer : M. Johansson
Drawing No. : SA-388-320-05 R1
Barcode # : 1.69D6.28T-178701-007
Mfg. S/N : 007

Coordinate System Setup

Spatial Alignment

Symmetry Plane between 2 Pole surfaces

Planar Alignment

Symmetery Plane between the side planes of (2X) Poles

Coordinate Origins

X Origin - Symmetry Plane between poles

Y Origin - Symmetery Plane between the side planes of (2X) Poles

Z Origin - Symmetry plane between Up Stream and Down Stream end surfaces

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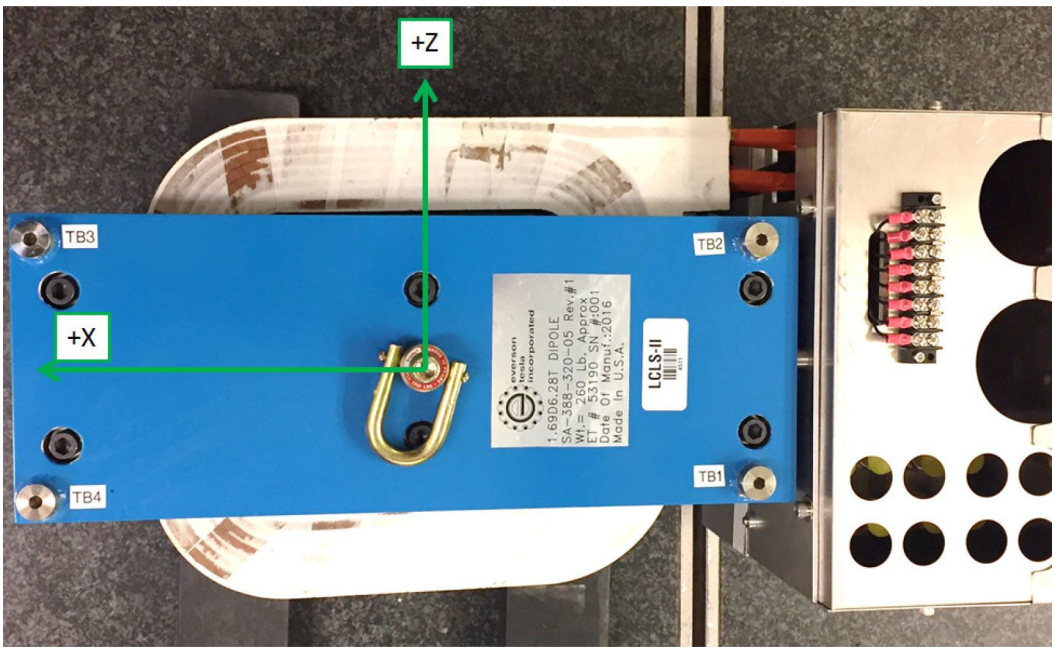
Tooling Ball Locations



Tooling Ball	X Coord.	Y Coord.	Z Coord.
TB 1	-7.27635	6.22275	-2.73033
TB 2	-7.22687	6.22228	2.80216
TB 3	7.89296	6.21881	2.71399
TB 4	7.85638	6.22372	-2.80831
TB A	-7.27463	5.53479	-2.73225
TB B	-7.22508	5.53516	2.80589
TB C	7.89210	5.53189	2.71963
TB D	7.85894	5.53578	-2.80798

Tooling Ball Locations (1-4) are 1 inch above top surface TB socket
Tooling Ball Locations (A-D) are 5/16 inch above top surface TB socket
Dimensions in Inch

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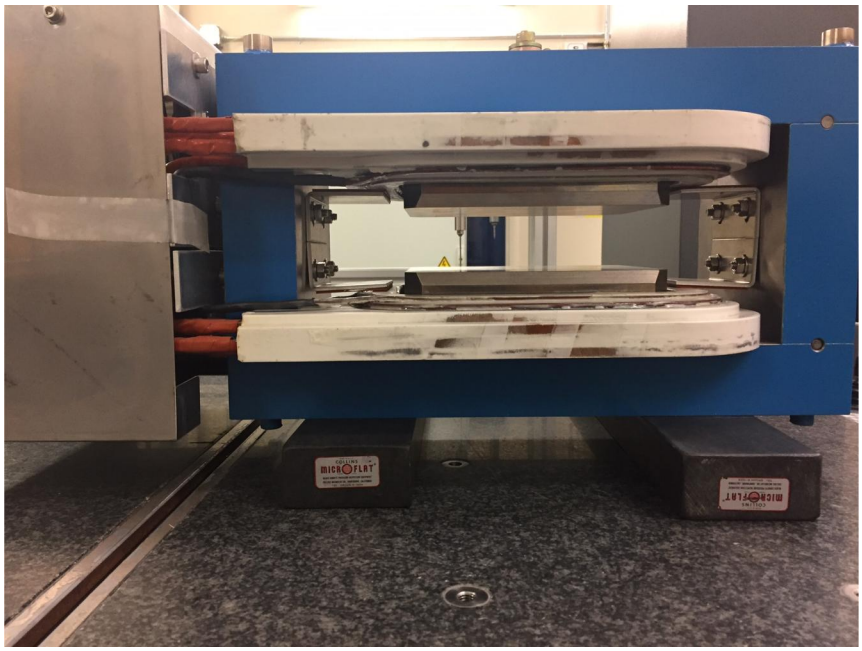
Pole Gap Measurements



	Nominal Gap	Average Gap	Minimum Gap	Pole Parallelism
Pole Gap	1.693 ± 0.002	1.69275	1.69273	0.00043

Dimensions in Inch

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