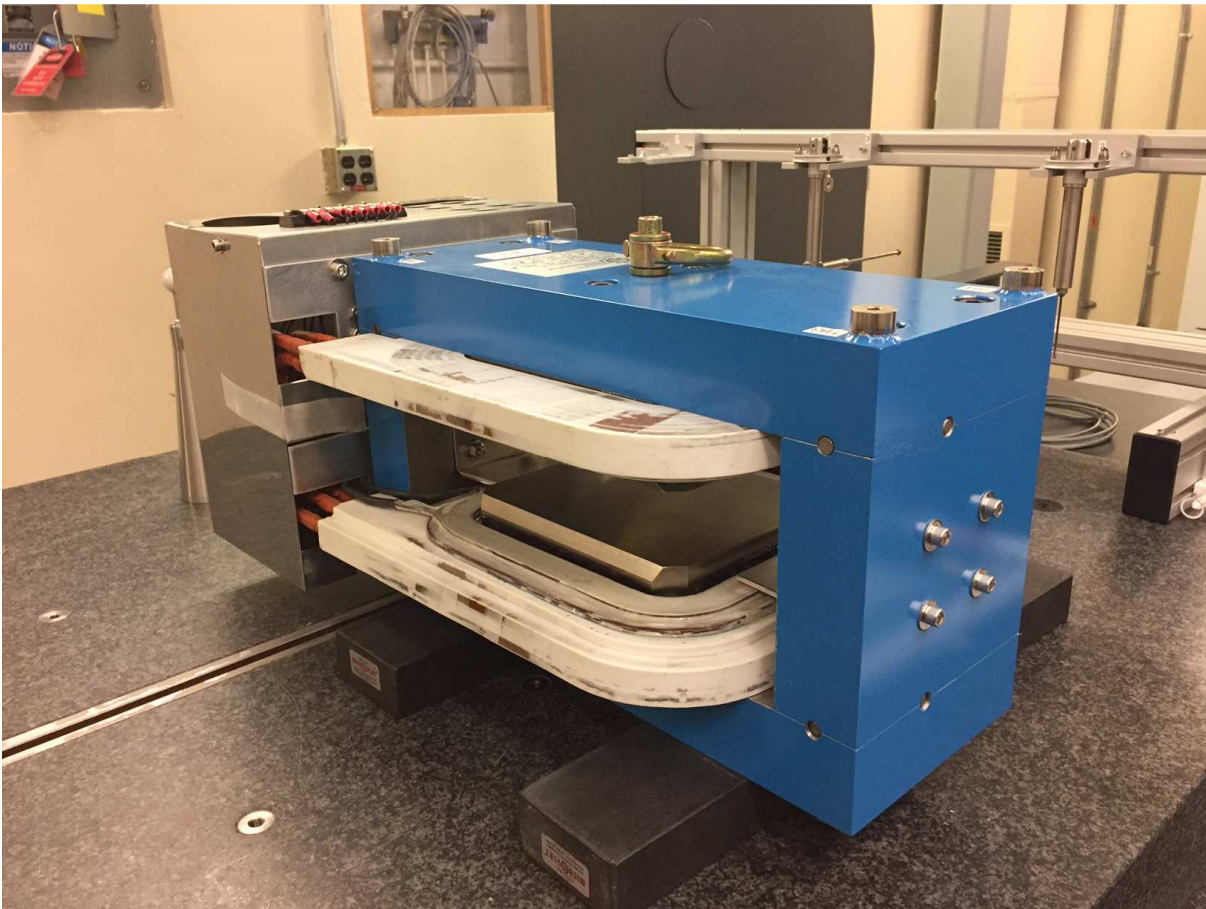


LCLS II Magnet Fiducialization Report

1.69D6.28T Dipole



Inspector : K. Caban
Engineer : J. Amann
Drawing No. : SA-388-320-05 R1
Barcode # : 4511
Mfg. S/N :001

Coordinate System Setup

Spatial Alignment

Symmetry Plane between 2 Pole surfaces

Planar Alignment

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

Coordinate Origins

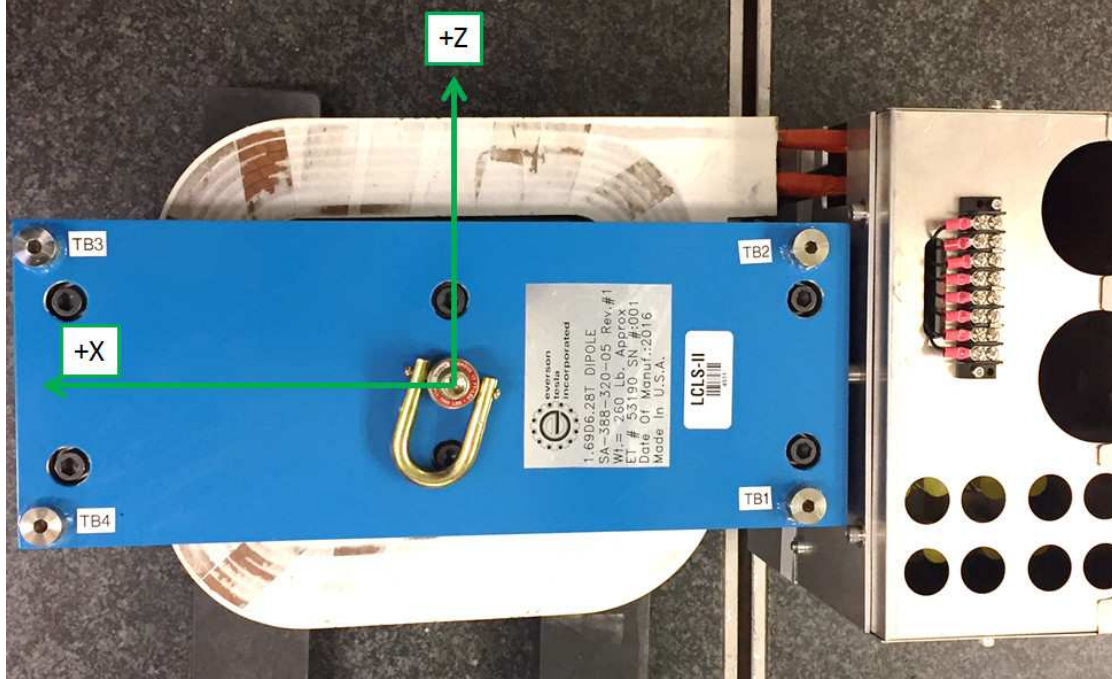
X Origin - Symmetry Plane between poles

Y Origin - Symmetry 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	-7.25140	6.22347	-2.62676
TB 2	-7.25890	6.22508	2.62374
TB 3	7.75358	6.22521	2.60676
TB 4	7.73438	6.22471	-2.63342
TB A	-7.24842	5.53660	-2.62838
TB B	-7.25648	5.53802	2.62435
TB C	7.75209	5.53802	2.60879
TB D	7.73249	5.53766	-2.63173

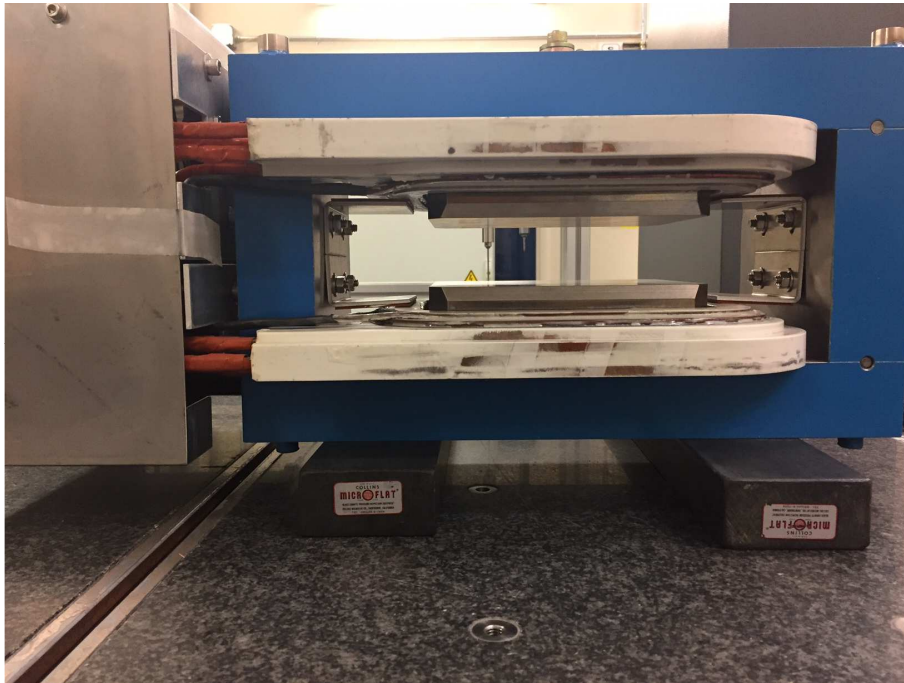
Tooling Ball Locations (1-4) are 1 inch above top surface TB socket
 Tooling Ball Locations (A-D) are 5/16 inch above top surface TB socket

Dimensions in Inch

Barcode # : 4511

MFG S/N:001

Pole Gap Measurements



	Nominal Gap	Average Gap	Minimum Gap	Pole Parallelism
Pole Gap	1.693 ± 0.002	1.69395	1.69393	0.00051

Dimensions in Inch

Barcode # : 4511

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