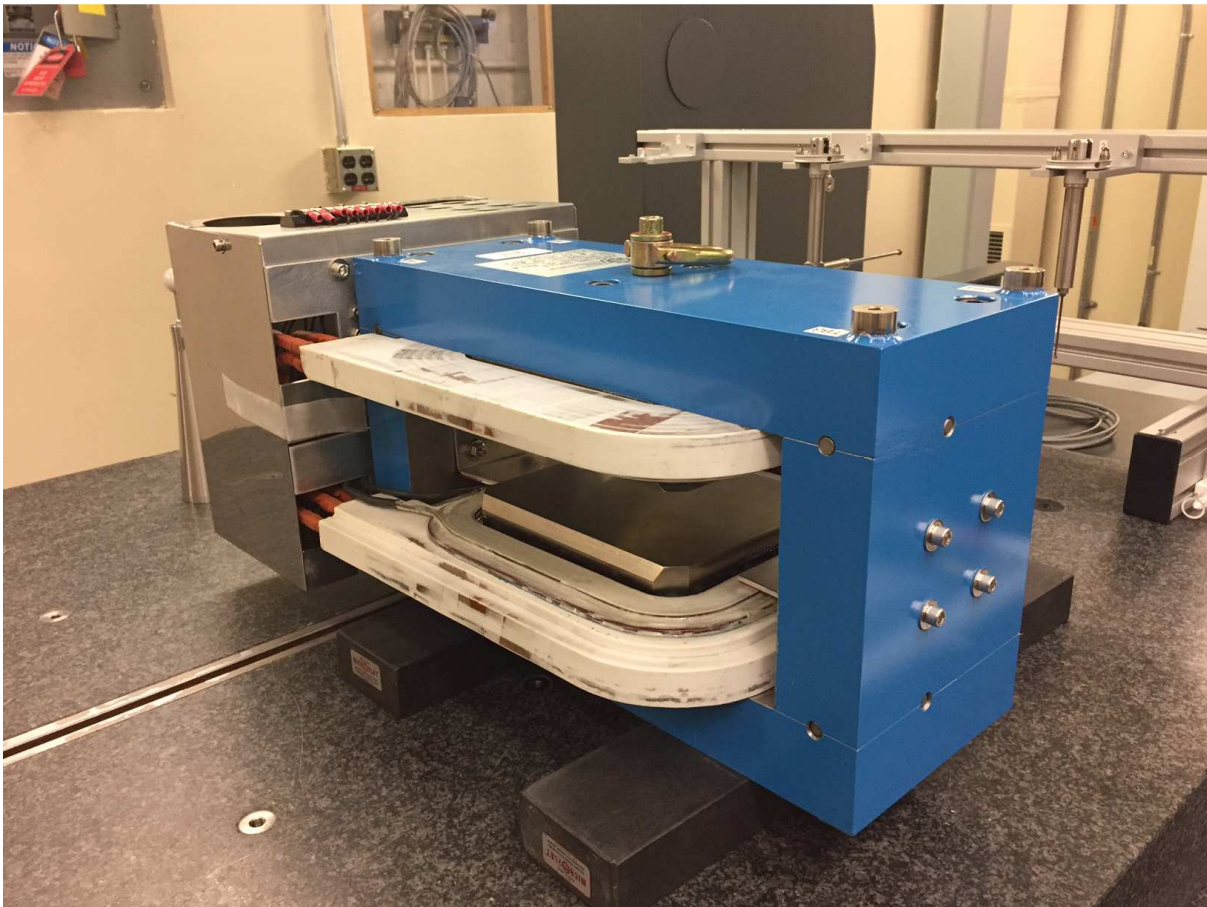


LCLS II Magnet Fiducialization Report

1.69D6.28T Dipole



Inspector : K. Caban
Engineer : J. Amann
Drawing No. : SA-388-320-05 R1
Barcode # : 4512
Mfg. S/N : 002

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

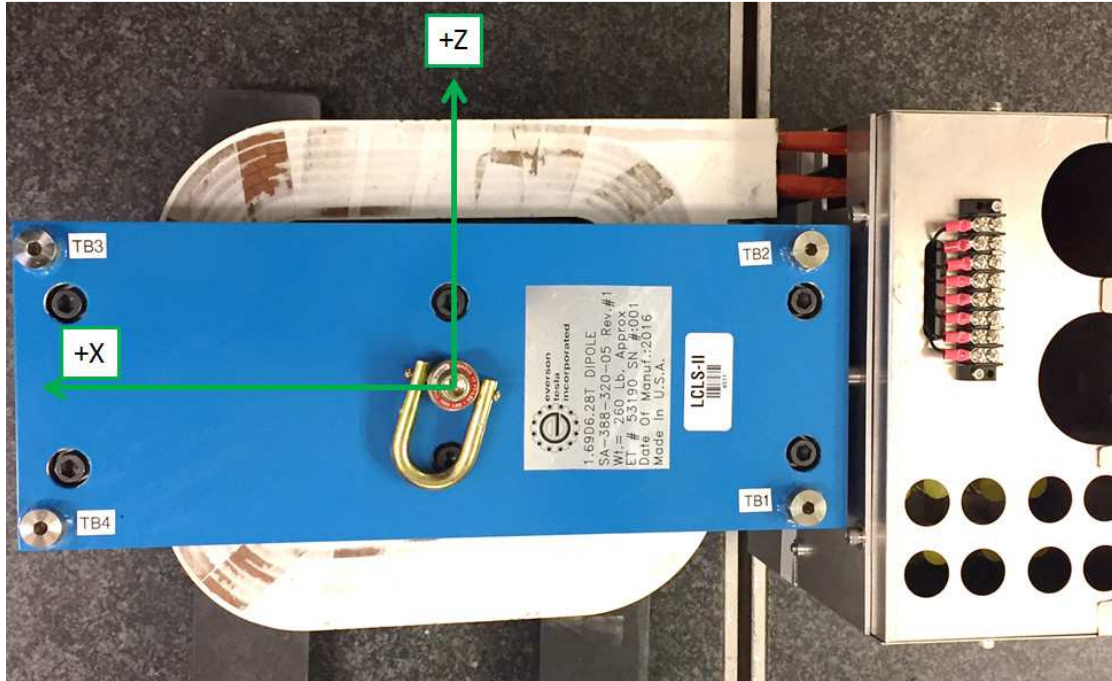
Y Origin - Symmetry Plane between the side planes of (2X) Poles

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

Barcode # : 4512

MFG S/N: 002

Tooling Ball Locations



Tooling Ball	X Coord.	Y Coord.	Z Coord.
TB 1	-7.24761	6.22477	-2.62661
TB 2	-7.24223	6.22523	2.63886
TB 3	7.74571	6.22608	2.61992
TB 4	7.74752	6.22604	-2.63540
TB A	-7.24714	5.53743	-2.62587
TB B	-7.24274	5.53797	2.63797
TB C	7.74767	5.53938	2.62220
TB D	7.74695	5.53906	-2.63506

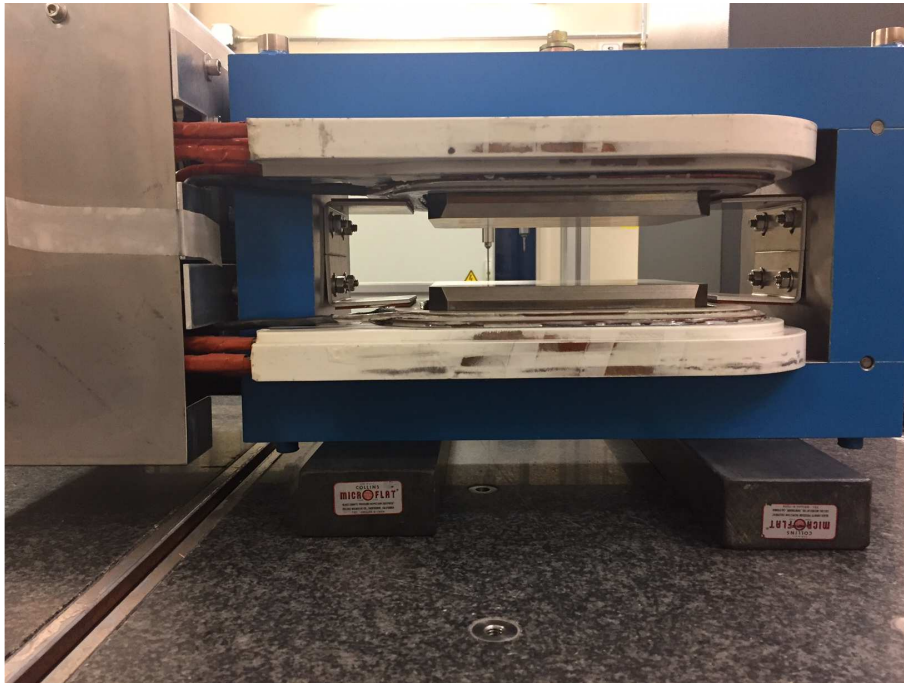
Tooling Ball Locations (1-4) are 1 inch above top surface TB socket
 Tooling Ball Locations (A-D) are 5/16 inch above top surface TB socket

Dimensions in Inch

Barcode # : 4512

MFG S/N: 002

Pole Gap Measurements



	Nominal Gap	Average Gap	Minimum Gap	Pole Parallelism
Pole Gap	1.693 ± 0.002	1.69457	1.69458	0.00057

Dimensions in Inch

Barcode # : 4512

MFG S/N: 002