



Fermilab

TS-SSC 92-077
7/30/92

TO: Imre Gonczy
FROM: Jim Strait
SUBJECT: Pole shims for DSA334

The average sizes of the coils to be used in DSA334, relative to the master blocks as measured in the semi-automatic measuring machine, are as follows:

Upper Inner (1M-50-146)	+11.7 mils
Lower Inner (1M-50-147)	+11.0 mils

Average	+11.4 mils
Upper Outer (1M-50-245)	-5.8 mils
Lower Outer (1M-50-246)	-4.5 mils

Average	-5.2 mils

The inner coils are within the target size range of about +8 to +12 mils. The outer coils are below the target range of about -3 to +1 mils. Therefore no pole shims should be used on the inner coils, and two layers of 2 mil Kapton should be placed on the outer coils. The outer coil Kapton shims should be extended into the ends as far as possible, and the ends of the two layers should be staggered by about 0.25 inch.