

3/9/92 (?)

TS-SSC 92-035

Memo to: D. Smith
From: W. Koska, J. Strait
Subject: Pole Shim for DCA320

Based on the azimuthal coil size measurements taken with the automatic coil measuring robot, no kapton pole shim is to be added to the standard ground wrap insulation for the inner coils of DCA320.

The azimuthal coil sizes of the two outer coils were measured both with the automatic coil sizing robot and with the semi-automatic method. The results from the semi-auto method indicate that the outer coils average about -8.2 mils relative to the steel master. This result implies that about 5 mils of shim will be required to bring the azimuthal coil size into the acceptable range as has been determined from previous 50 mm magnets. Therefore, **add 5 mils of kapton shim** to the standard ground wrap at the poles of the two outer coils 15M-50-2022 and 15M-50-2023, which will be used in magnet DCA320.

Wayne Koska