Shimming for Return
End Clamp of DCA311

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The return end clamp of DCA311 should be installed with two layers of 5 mil kapton added to the inner surfaces of the collet insulators. This is the same amount that was added to the lead end insulators of DCA310, without resulting in unreasonable installation pressure or abnormally large end clamp deflections.

Experiments are still under way in IB3 to assess the midplane and pole loads inside the aluminum end clamps. Preliminary results indicate stresses in the range of 7 - 9 kpsi. This stress seems to be only weakly correlated with measured end can deflections.

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