

DS0320 Cookie Status

TS-SSC 91-047
S. Delchamps
March 20, 1991

Most of the non-lead end of collared coil DSA320, the initial Fermilab 50 mm aperture model dipole, has now been cut up, potted and made into "cookies" [1]. One of the cookies made so far was specially polished for measurement on the QC contour projector [2]. The rest of the cookies are intended for display and personal use by physicists and engineers.

Figure 1 shows the cookies divided into four lots A through D. For each lot, a chunk of coil one collar pack in length was cut and potted.

Cookies in lot A other than A1 have the lead end surfaces of the coils polished, but are missing two collar laminations on the polished side. Cookie A1 has its lead end surface, including the collar laminations polished. Cookie A1 was taken by Rodger Bossert from MDL in January, 1991. Cookie A4 was given to Tariq Jaffery of Lab 2 on March 8, 1991. The remaining lot A cookies are currently in my possession.

Cookies in lot B except for B3 are like the A1 cookie, with the laminations flush with the coils on the polished lead end surface. Cookie B1 is like A2 - A6. Cookie B1 has a high grade polish, and will be measured on the QC contour projector.

Cookies in lots C and D are still being polished. There are seven cookies in lot C; all of them are like the A1 cookie, with the laminations flush with the coil surface on the polished side. There are 5 cookies from lot D. These cookies have the polished coil surface above the laminations (like A2 - A6.)

As of the release of this memo, the current disposition of cookies is:

A1 Taken by Rodger Bossert from MDL in January, 1991
A2 SD
A3 SD
A4 Tariq Jaffery, Lab 2 (given to him on March 8, 1991)
A5 SD
A6 SD

B1-B7 SD

C1-C7 MDL

D1-D5 MDL

MDL is materials development laboratory. SD means these cookies are in my possession.

Notes

1. TS-SSC 90-108, "DSA320 Collared Coil/Cookie Production", S. Delchamps, December, 1990.

2. TS-SSC 91-025, "DSA320 Cookie Inspection Procedure #1", S. Delchamps, March 4, 1991.

Distribution:

R. Bossert
J. Carson
E. G. Pewitt
J. Strait

DSA320 COOKIES

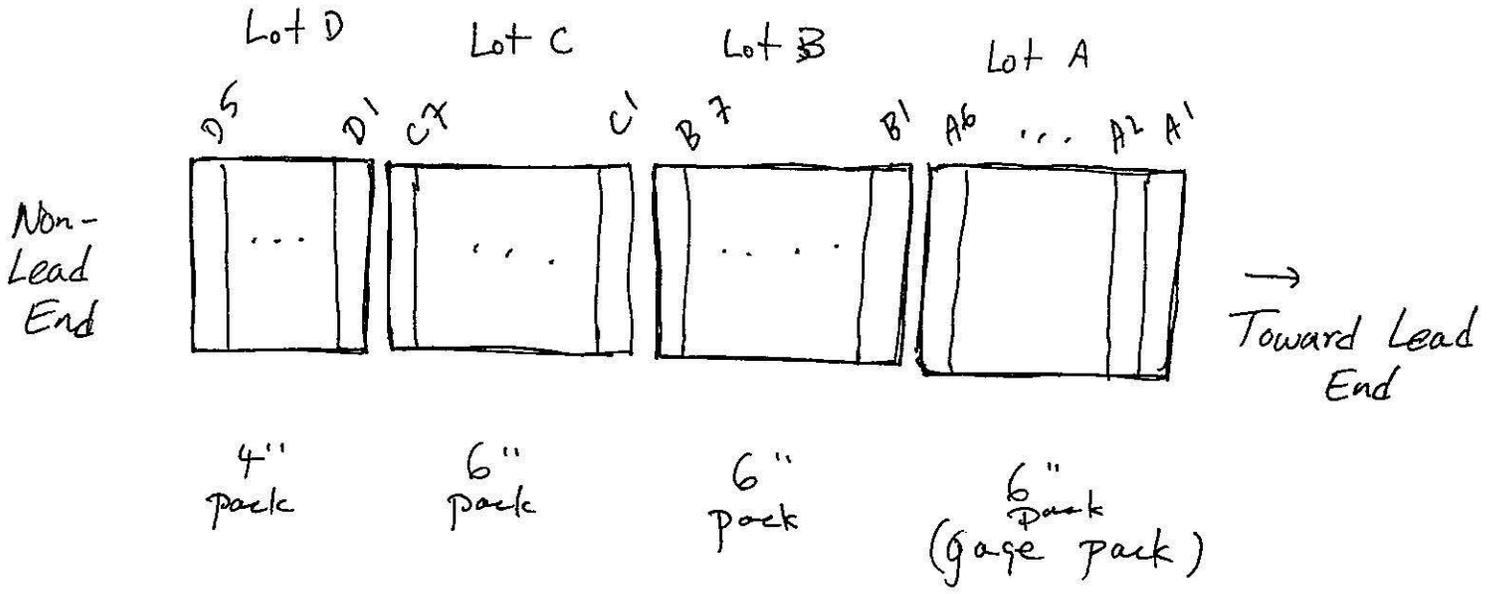


Figure 1