

LAB DATA  
 SSRL - SPEAR 3  
 BTS B9V SEPTUM MAGNET

4-9-03  
 J.M., L.G.

4/14/03

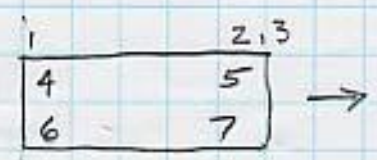


	X	Y	Z
1	-6.868 ✓	+16.004 ✓	-21.426 ✓
2	-6.969 ✓	+16.001 ✓	+21.278 ✓
3	+3.269 ✓	+16.007 ✓	+21.151 ✓
4	-9.083 ✓	+13.786 ✓	-21.438 ✓
5	-9.082 ✓	+13.657 ✓	+21.307 ✓
6	-9.084 ✓	-13.739 ✓	-21.514 ✓
7	-9.083 ✓	-13.715 ✓	+21.433 ✓

SSRL-SPEAR 3  
BTS B9V SEPTUM MAGNET

4/9/03  
J.M. & L.G  
checked  
June 4-9-03

(V)  $\Phi$  u/s  $\dot{\Phi}$  D/s "V"  
 28.111 BAR  
 9.000  
 + 19.111 HI



6 & 7  
 49.000  
 28.111  
 - 20.889 HI

1) 2.107  
 1.000  
 3.107  
 19.111  
 + 16.004

2) 2.110  
 1.000  
 3.110  
 19.111  
 + 16.001

3) 2.104  
 1.000  
 3.104  
 19.111  
 + 16.007

4) 4.325  
 1.000  
 5.325  
 19.111  
 + 13.786

5) 4.454  
 1.000  
 5.454  
 19.111  
 + 3.657  
 13.657

6) 6.150  
 1.000  
 7.150  
 20.889  
 - 13.739

7) 6.174  
 1.000  
 7.174  
 20.889  
 - 13.715

(X) +1.004 FROM SPLIT PLANE  
 -1.181  
 -1.177 LOS  
 .853 REF  
 +1.324 =  $\Phi$

SPLIT PLANE -1.181" (30mm) FROM STORED B/L

(+) .324  
 16.424 GUNZ  
 - 16.748 LOS

CHECKED 4/23/03

1) 8.880  
 1.000  
 9.880  
 16.748  
 - 6.868

2) 8.880  
 1.000  
 9.880  
 16.748  
 - 6.868

3) 19.017  
 1.000  
 20.017  
 16.748  
 + 3.269

4) 6.665  
 1.000  
 7.665  
 16.748  
 - 9.083

5) 6.666  
 1.000  
 7.666  
 16.748  
 - 9.082

6) 6.664  
 1.000  
 7.664  
 16.748  
 - 9.084

7) 6.665  
 1.000  
 7.665  
 16.748  
 - 9.083

LAB DATA  
 SSRL - SPEAR 3  
 BTS 89V SEPTUM MAGNET

4/9/03  
 J.M., L.G.

Z

u/s) 20.000 BAR  
 7.613 READING u/s FACE OF INSERT  
 $\frac{27.613}{74.522}$  u/s FACE ON BAR  
 $\frac{46.909}{2} =$   
 23.455 1/2 MAG  
 7.613  
 $\frac{31.068}{}$  LOS for 1,4,6

o/s) 80.000 BAR  
 5.478 READ ON D/S FACE OF INSERT  
 $\frac{74.522}{5.478}$  D/S FACE ON BAR  
 $\frac{23.455}{2}$  MAG  
 + 28.933 LOS 2,3,5,7

1) 8.642  
 1.000  
 $\frac{9.642}{31.068}$   
 $\frac{-21.426}{}$

2) 6.655  
 1.000  
 $\frac{7.655}{28.933}$   
 $\frac{+21.278}{}$

3) 6.782  
 1.000  
 $\frac{7.782}{28.933}$   
 $\frac{+21.151}{}$

4) 8.630  
 1.000  
 $\frac{9.630}{31.068}$   
 $\frac{-21.438}{}$

5) 6.626  
 1.000  
 $\frac{7.626}{28.933}$   
 $\frac{+21.307}{}$

6) 8.554  
 1.000  
 $\frac{9.554}{31.068}$   
 $\frac{-21.514}{}$

7) 6.500  
 1.000  
 $\frac{7.500}{28.933}$   
 $\frac{+21.433}{}$

ED&I

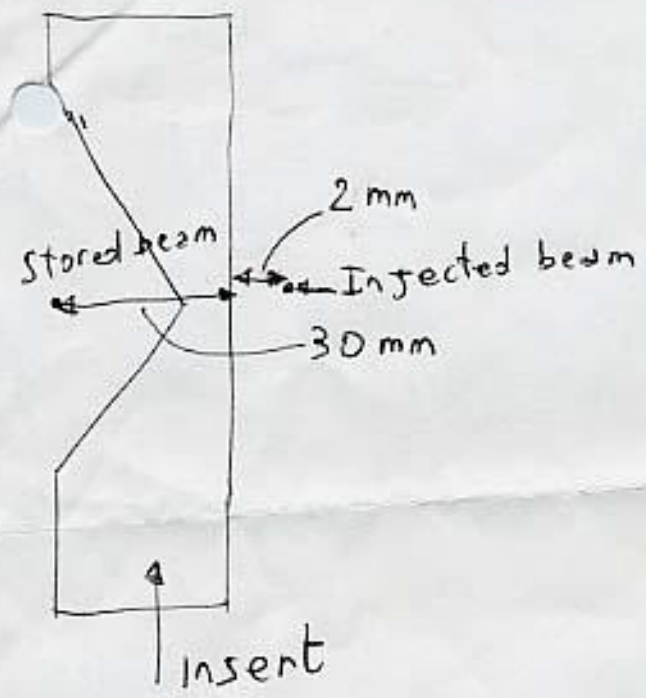
Account #

93-1208-3

Domenico 4/8/03

Dell'Orco

8683



X position

In z the center of the magnet is the center of the insert.

Y position : use center of V on both ends.

(X)

SSRL - SPEAR 3  
BTS BQU SEPTUM MAGNET  
CHECK VALUE ON T/B#2

4/23/03  
F.G., L.G.

$$\begin{array}{r}
 \underline{1} \\
 6.344 \\
 \underline{1} \\
 7.344 \\
 6.868 \\
 \hline
 14.212
 \end{array}$$

$$\begin{array}{r}
 \underline{2} \\
 6.243 \\
 \underline{1} \\
 7.243 \\
 \underline{6.868} \\
 14.111 \\
 \text{X BAD}
 \end{array}$$

$$\begin{array}{r}
 \underline{3} \\
 16.478 \\
 \underline{1} \\
 17.478 \\
 \underline{3.269} \\
 14.209
 \end{array}$$

$$\begin{array}{r}
 \underline{4} \\
 4.131 \\
 \underline{1} \\
 5.131 \\
 \underline{9.083} \\
 14.214
 \end{array}$$

$$\begin{array}{r}
 \underline{5} \\
 4.131 \\
 \underline{1} \\
 5.131 \\
 \underline{9.082} \\
 14.213
 \end{array}$$

$$\begin{array}{r}
 \underline{6} \\
 4.127 \\
 \underline{1} \\
 5.127 \\
 \underline{9.084} \\
 14.211
 \end{array}$$

$$\begin{array}{r}
 \underline{7} \\
 4.128 \\
 \underline{1} \\
 5.128 \\
 \underline{9.083} \\
 14.211
 \end{array}$$

$\bar{M}_{1,3-7} = 14.212$

$$\begin{array}{r}
 \#2) 6.243 \\
 \underline{1} \\
 7.243 \\
 14.212 \\
 \hline
 -6.969
 \end{array}$$