

SPEAR, 3

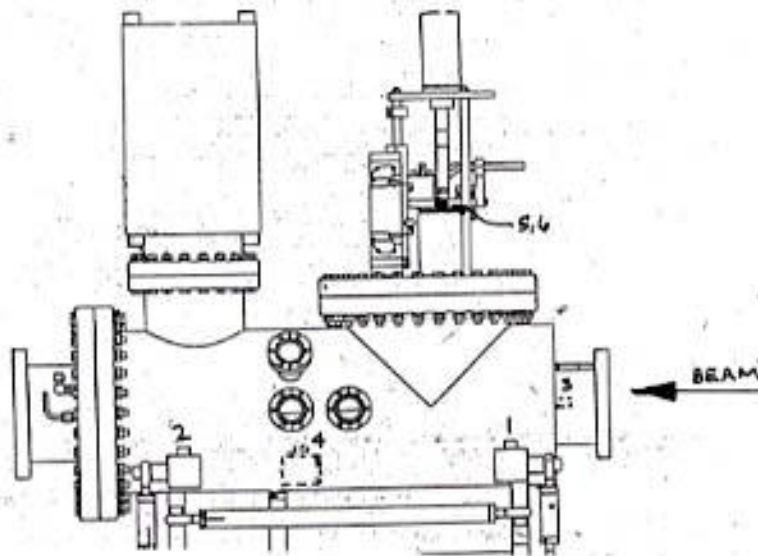
MOVEABLE MASK

B/L 4

6/11/03

M.R., L.G.

K
6/18/03



	X	Y	Z
1	+8.763	-1.264	+6.090
2	+8.773	-1.279	+26.084
3	-3.985	-.009	+1.805
4	-7.702	-1.250	+18.093
5	+3.669	+12.720	+10.005
6	-3.552	+12.689	+9.947

BEAM LINE 4 MOVEABLE MASK

6/12/03
MR LG

Y) 16.553 H.I.

$$\begin{array}{r} 1) \quad 16.817 \\ \quad \underline{1} \\ \quad 17.817 \\ \quad 16.553 \\ \hline \quad -1.264 \end{array} \checkmark$$

$$\begin{array}{r} 2) \quad 16.832 \\ \quad \underline{1} \\ \quad 17.832 \\ \quad 16.553 \\ \hline \quad -1.279 \end{array} \checkmark$$

$$\begin{array}{r} 3) \quad 15.562 \\ \quad \underline{1} \\ \quad 16.562 \\ \quad 16.553 \\ \hline \quad -0.009 \end{array} \checkmark$$

$$\begin{array}{r} 4) \quad 16.803 \\ \quad \underline{1} \\ \quad 17.803 \\ \quad 16.553 \\ \hline \quad -1.250 \end{array} \checkmark$$

25.703 REF BLADE READING
16.553 H.I.

9.150 E BLADE READING ✓
.348

8.802 BOTTOM OF OCCLUDING EDGE

.050 (TO GET .050" BELOW & TO READ 1/8" EDGE) SIN 1.66° x 20.570 = .596
8.752 FOR -.398 H.I.

$$\begin{array}{r} W/S \\ 0.596 \\ \underline{.050} \\ 0.646 \text{ S/R} \\ .652 \\ + .006 \end{array}$$

D/S
+ 0.050 S/R
"

$$\begin{array}{r} 5) \quad 2.833 \\ \quad \underline{1} \\ \quad 3.833 \\ \quad 16.553 \\ \hline \quad +12.720 \end{array} \checkmark$$

$$\begin{array}{r} 6) \quad 2.864 \\ \quad \underline{1} \\ \quad 3.864 \\ \quad 16.553 \\ \hline \quad +12.689 \end{array} \checkmark$$

MOVEABLE MASK

θ PSI

80 PSI

W/S
.650
D/S
(+) +.053
(-) +.055

W/S
.648
D/S
(+) +.057
(-) +.060

Δ = .596
∠ = 1.66°

Δ = .589
∠ = 1.64°

X = +.022 W/S +.005 : Δ = .017

BEAMLINE 4 MOVEABLE MASK

6/12/03 (2)
MR LG

U/S FLANGE	5.568	2.784 -	
I/S FLANGE	11.570	<u>5.785 -</u>	
		3.001	

U/S FLANGE	D/S FLANGE	
13.769	10.768	
<u>2.784</u>	<u>5.785</u>	
16.553	16.553	H.I.

(X)

U/S FLANGE	D/S FLANGE	
38.482	35.481	41.266 LOS
<u>2.784</u>	<u>5.785</u>	5.385 REF.
+ 11.266	+ 41.266	46.651 = ϕ ✓
		LOS

SPECULAR MASK

MOVEABLE MASK

(X)

46.651 ϕ	
<u>2.688 1/2 MASK</u>	
49.339 S/R to (-) SIDE	

(X)

- 2.688 LOS	
<u>(-) 2.590 1/2 MASK</u>	
+ .098 S/R	
+ .090	

(Y)	- 398 HI	(-)	(+)
	<u>- 349 1/2 MASK</u>	+ .053	+ .053
	+ .049 S/R		

BEAMLINE 4 MOVEABLE MASK

③
6/12/03
MRLG

1) 41.266 LOS

$$\begin{array}{r} 31.503 \\ \hline 32.503 \\ 41.266 \\ \hline \boxed{+8.763} \end{array}$$

$$\begin{array}{r} 31.493 \\ \hline 32.493 \\ 41.266 \\ \hline \boxed{+8.773} \end{array}$$

$$\begin{array}{r} 34.597 \\ \hline 37.597 \\ 41.266 \\ \hline \boxed{+3.669} \end{array}$$

67.931 BLADE READING
46.651 E BLADE READ.
-21.280 LOS

$$\begin{array}{r} 16.295 \\ \hline 17.295 \\ 21.280 \\ \hline \boxed{-3.985} \end{array}$$

$$\begin{array}{r} 12.578 \\ \hline 13.578 \\ 21.280 \\ \hline \boxed{-7.702} \end{array}$$

$$\begin{array}{r} 16.728 \\ \hline 17.728 \\ 21.280 \\ \hline \boxed{-3.552} \end{array}$$

2A
6/03

BEAM LINE 4
MOVEABLE MASK

④
6/12/03
MR LG

U/S END

Z) -9.294 LOS

$$\begin{array}{r} 1) \quad 14.384 \\ \quad \underline{1} \\ 15.384 \\ \quad 9.294 \\ \hline \boxed{+6.090} \end{array}$$

$$\begin{array}{r} 2) \quad 34.378 \\ \quad \underline{1} \\ 35.378 \\ \quad 9.294 \\ \hline \boxed{+26.084} \end{array}$$

$$\begin{array}{r} 3) \quad 10.099 \\ \quad \underline{1} \\ 11.099 \\ \quad 9.294 \\ \hline \boxed{+1.805} \end{array}$$

$$\begin{array}{r} 4) \quad 26.387 \\ \quad \underline{1} \\ 27.387 \\ \quad 9.294 \\ \hline \boxed{+18.093} \end{array}$$

$$\begin{array}{r} 5) \quad 18.299 \\ \quad \underline{1} \\ 19.299 \\ \quad 9.294 \\ \hline \boxed{+10.005} \end{array}$$

$$\begin{array}{r} 6) \quad 18.241 \\ \quad \underline{1} \\ 19.241 \\ \quad 9.294 \\ \hline \boxed{+9.947} \end{array}$$

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6/03