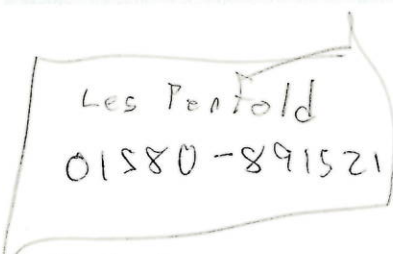


sussex centre for optical and atomic physics



Alan Cambray
Magnetic Shields Ltd
Headcorn Road
Staplehurst, Kent TN12 0DS

Dear Mr. Cambray,

We would like a quote for price and delivery time for the enclosed set of shields for our experiment. The drawings describe two sets of shields. The inner shield is a tube 31" long with 6 3/4" OD and 4 clear holes in the sides as indicated. Both ends require removable endcaps. The drawing for the inner shield indicates 1/32" mu-metal, but it could be as thin as half a millimeter (0.020") if the thinner material would make a substantial difference to the price.

For the outer shield (the drawings labelled parts I to VII) we would like to reuse some existing 1mm thick mu-metal. We have four sheets of material that together formed a tube 12" in diameter and about 120" long. We would like to rework this material to form a tube 24" in diameter and 64" long. This involves cutting holes as indicated in the drawing, rerolling to 24" diameter and annealing. The drawings show the existing small holes, there are 15 large holes to be cut. The existing material is 1mm thick Advance Magnetics Ad-Mu-80 mu metal, we can supply their technical details regarding annealing etc. if that would be helpful.

We also need new endcaps for the outer shield. The top is a very simple cap to fit over the assembled tube. The bottom cap should be split into two halves which will butt against each other and fit inside the outer shield tube. The bottom cap has a collar along its inner diameter 1 1/2" high and an outer collar 4" high (the drawing is perhaps not as clear as it could be). Both the new endcaps for the outer shield should be 1mm thick mu-metal.

Would delivery of these shields be possible by the first week of December?

Physics and Astronomy

School of Chemistry, Physics and
Environmental Science

University of Sussex

Falmer, Brighton BN1 9QH

Telephone: (01273) 678969

Fax: (01273) 678097

b.e.sauer@sussex.ac.uk

11/14/96

Sincerely yours,

Ben Sauer

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Fax: (01273) 678097

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11/11/96

John Cole
Cole Precision Ltd
Unit 1B
Bridge Road Industrial Estate
Haywards Heath RH16 1UA

Dear Mr. Cole,

With regard to the drawing I sent to you previously, we have slightly changed the inner shield design. We need access to both ends of the shield and therefore require a simple tube with two removable endcaps. The design for the holes in the endcaps is nearly identical to the design I sent earlier, with the addition of clear holes on the outside edge as indicated in the drawing.

Would it be possible for you to finish this job by the first week of December?

Sincerely yours,

Ben Sauer

FACSIMILE TRANSMISSION

For the attention of: BEN SAUER

Company: UNIV OF SUSSEX

Page 1 of

Facsimile No: 01273 678097

Ref:

From: ALAIN CAMBRAY

Date: 25-11-96

Subject: ENQUIRY

DEAR BEN,

REF YOUR ENQUIRY RECEIVED ON THE
18-11-96.

PLEASE FIND PRICE AND DELY AS FOLLOWS:-

1 OFF SHIELD TUBE 31" X 6 $\frac{3}{4}$ " X 0.8mm THICK
MU-METAL ALL PARTS HEAT TREATED
AND CLEAN FINISH.
PRICE £311.52 0A

1 OFF SHIELD END CAP WITH A 3" FLANGE
MADE IN 0.8mm THICK MU-METAL AND
HEAT TREATED AND CLEAN FINISH.
PRICE £98.16 0A

1 OFF AS ABOVE BUT WITH A 1 $\frac{1}{2}$ " FLANGE
PRICE £88.29 0A

1 OFF SET OF SHIELDS FOR MODIFICATION
TO CUSTOMERS FACE ISSUE MATERIAL.
PRICE £156.80 0A

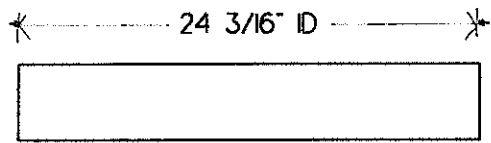
1 OFF SHIELD END CAP WITH A INNER COLLAR
MADE IN 1.0mm THICK MU-METAL AND
HEAT TREATED AND F.H.T.
PRICE £412.10

1 OFF SHIELD END CAP AS ABOVE BUT PLAIN
PRICE £316.21 0A
CARRIAGE AND PACKING £39.00

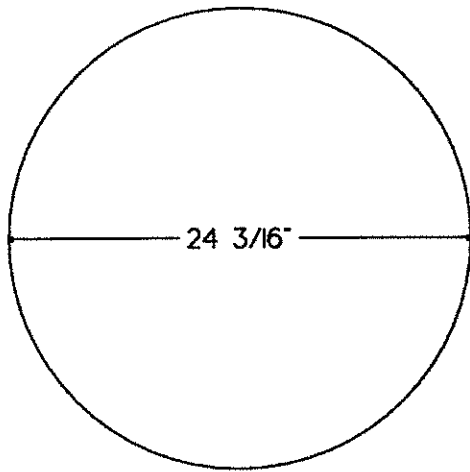
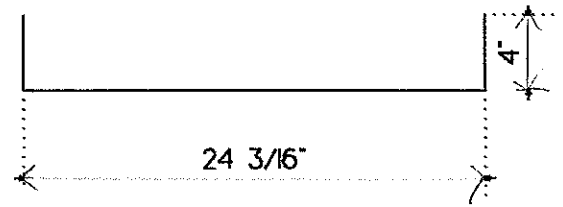
DELY :- 5 WEEKS FROM ORDER DETAILS
TERMS:- NET MONTHLY

KIND REGARDS

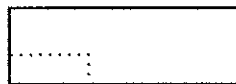
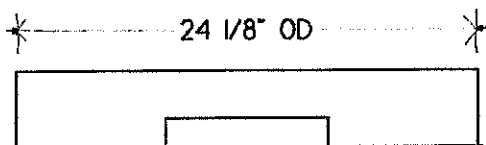
Part V



Cross Section



Parts VI and VII



$8 \frac{1}{2}"$

Cross Section

