



SECTION A-A

SUGGESTED SOURCE:

MDC VACUUM PRODUCTS CORP.
23842 CABOT BLVD.
HAYWARD, CA 94545-1651
PHONE: (800)-443-8817
FAX: (910)-383-2023

NOTES:

1. MAKE FROM MDC FLANGE #110032 OR EQUAL.
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE, SULPHUR-BASED CUTTING FLUIDS AND ABRASIVES IS PROHIBITED. USE TRIM SOL OR APPROVED EQUAL LUBRICANT.
3. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTING AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.
4. DIMENSIONS IN BRACKETS [] ARE MILLIMETERS.

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY								
<p>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES:</p> <table border="1"> <tr> <th>DECIMALS</th> <th>ANGULAR</th> </tr> <tr> <td>.125 - .250</td> <td>± .05</td> </tr> <tr> <td>.251 - .500</td> <td>± .05</td> </tr> <tr> <td>.501 - 1.000</td> <td>± .05</td> </tr> </table> <p>SURFACE ROUGHNESS 125</p> <p>REMOVE ALL BURRS AND BREAK SHARP EDGES (R&M)</p> <p>SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST AMS-B4</p> <p>DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5</p> <p>DO NOT SCALE DRAWING</p>					DECIMALS	ANGULAR	.125 - .250	± .05	.251 - .500	± .05	.501 - 1.000	± .05
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.501 - 1.000	± .05											
LOG NUMBER A18809		PARTS LIST										
DRAWN BY P. ENGELBRECHT		DATE 05/94	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY									
DESIGNED BY C. BRITE		DATE 05/94	GP LEADER	TITLE ADVANCED PHOTON SOURCE F2-APS BM BEAMLINE FILTER BELLOW'S WELDMENT FLANGE 10" NON-ROTATABLE								
DESIGNER P. ENGELBRECHT		DATE 05/94	PROJECT MGR.	DRAWING NUMBER								
RESPONSIBLE ENGINEER C. BRITE		DATE 05/94	APPROVED/RELEASED	SCALE 1:1								
MATERIAL 304 STAINLESS STEEL		SHEET 1 of 1		SHEET D								
P4105091302-220103-00												

BYM	CHANGE DESCRIPTION	BY	CHKD	DATE