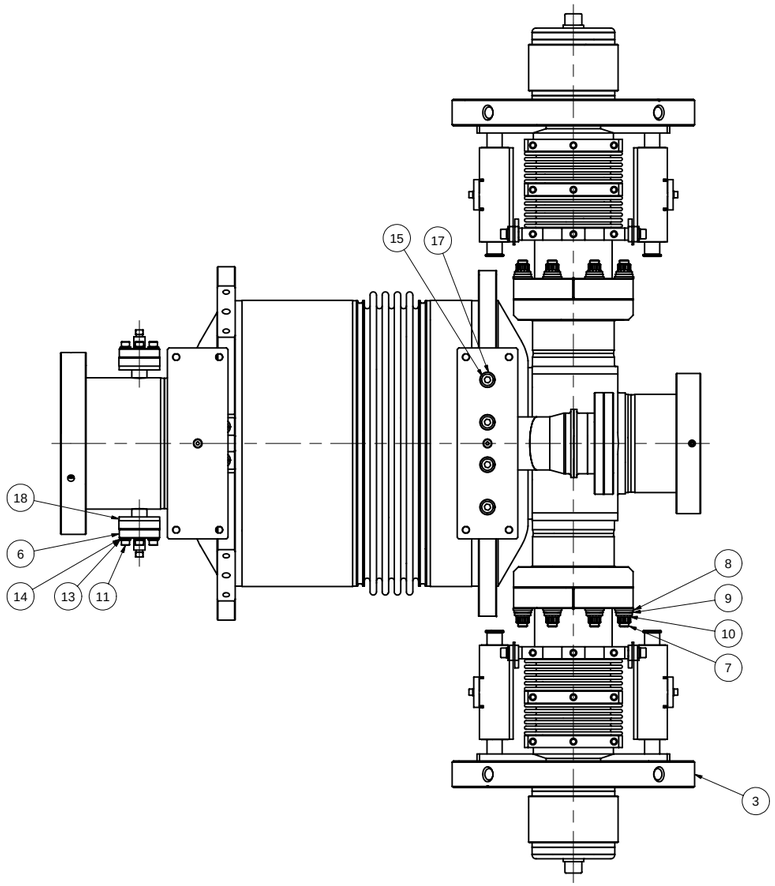
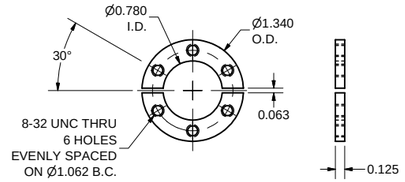
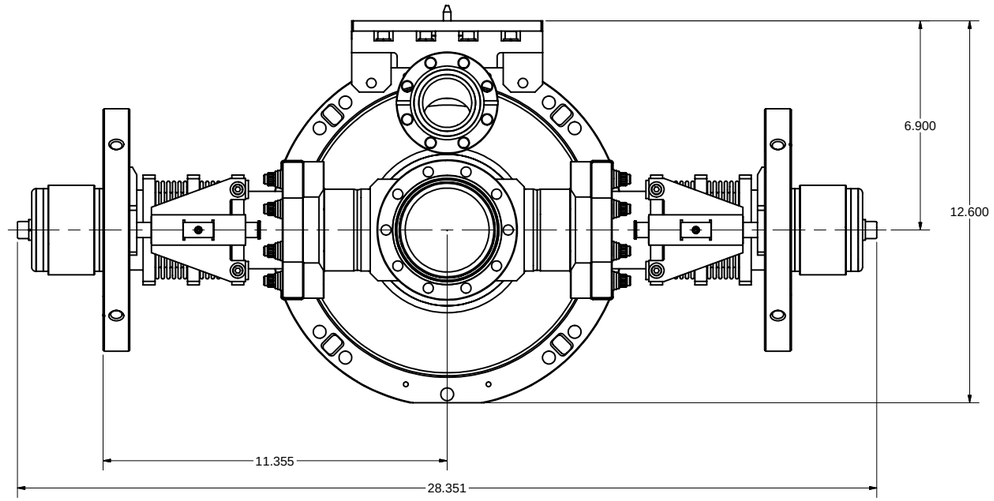
| REVISIONS | | | | |
|---|---|---|---|---|
| SYM. | ZONE | DESCRIPTION | DATE | APP. |
| A | | FASTENERS ITEM 15, 16, 17 MOVED FROM 7102-032 TO THIS ASSEMBLY. | 02/22/07 | VM |
| B | | NUT ITEM 12 REMOVED. PART ITEM 18 ADDED. DRAWING OF PART ITEM 18 ADDED. | 6/1/07 | VM |



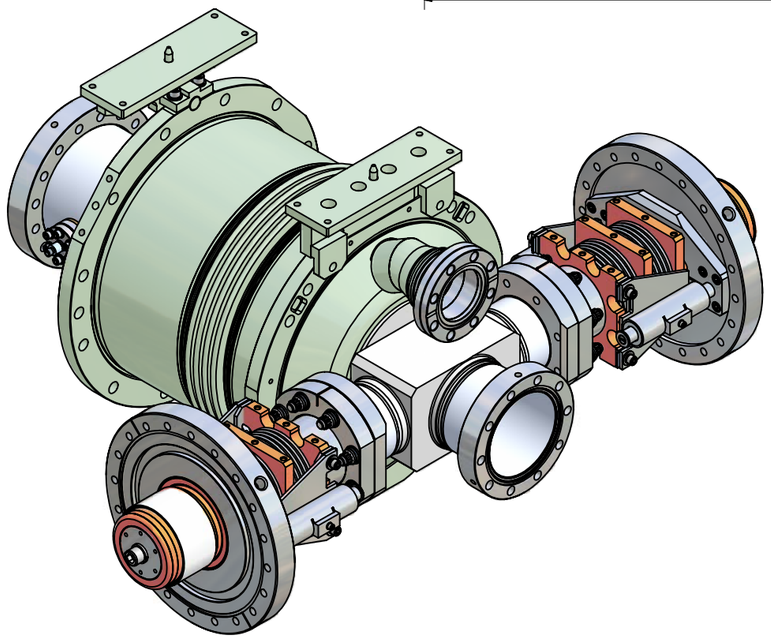



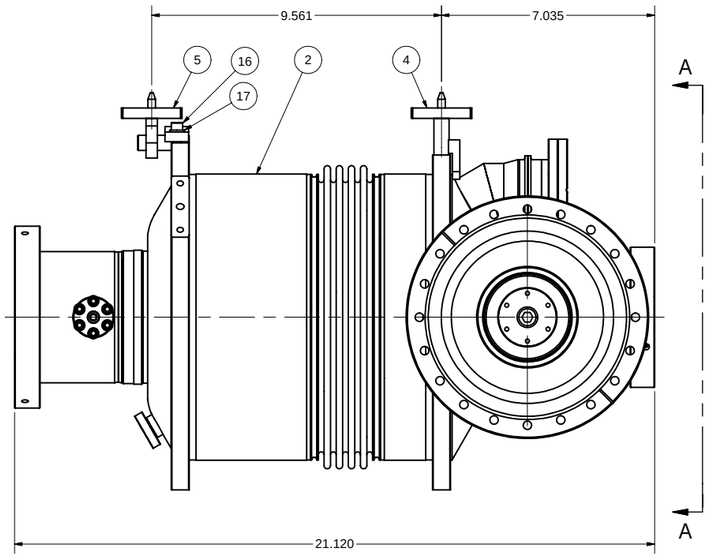

18 8-32 NUT PLATE

FILE NAME: 7102-030
SHEET NO.: 1
DFT. SCALE: 1:1
MATERIAL: SILICONE BRONZE
QTY: 2 PER CAVITY
NOTES:




VIEW A-A






1 2-CELL CAVITY ASSEMBLY I

FILE NAME: 7102-030
SHEET NO.: 1
DFT. SCALE: 1:2.5
MATERIAL:
QTY: 5 PER PROJECT
NOTES: 1. DIMENSIONS FOR REFERENCE ONLY.

| ITEM | DWG. NO. | DESCRIPTION | QUANTITY G1 | QUANTITY G2 | QUANTITY G3 | REMARKS | REV. |
|---|---|---|---|---|---|---|---|
| 18 | 7102-030 (SH.1) | 8-32 NUT PLATE | 2 | | | | |
| 17 | - | 1/4 Spring Washer, 316 SS | 6 | | | McMaster-Carr's 92147A029 | |
| 16 | - | 1/4-28 x 3/4 Socket Head Cap Screw, 316 SS | 2 | | | McMaster-Carr's 92185A561 | |
| 15 | - | 1/4-28 x 1.25 Socket Head Cap Screw, Type 300 SS | 4 | | | McMaster-Carr's 92200A588 | |
| 14 | - | M4 Washer | 12 | | | McMaster-Carr's 90965A150, 316 SS | |
| 13 | - | #8 BELLEVILLE SPRING WASHER | 12 | | | Solon's 08-L-26-718, Inconel 718 | |
| 11 | - | #8-32 x 3/4 Socket Head Cap Screw, 316 SS | 12 | | | McMaster-Carr's 92185A197 | |
| 10 | - | 5/16-24 12-Point Nut | 16 | | | 660 St. Steel | |
| 9 | - | 8 MM BELLEVILLE FLANGE WASHER | 16 | | | Solon's M8-F-2.0-718, Inconel 718 | |
| 8 | - | M8 Washer | 16 | | | McMaster-Carr's 90965A190, 316 SS | |
| 7 | - | 5/16-24 x 1-3/4 316 St.Steel Stud, Dicronited | 16 | | | McMaster-Carr's 93250A140 (3-ft long 316 SS rod) | |
| 6 | 7102-033 | CAVITY RF PROBE, SMA TYPE | 2 | | | | |
| 5 | 7102-032 (SH .4) | CAVITY BACK SUPPORT ASSEMBLY | 1 | | | | |
| 4 | 7102-032 (SH. 1) | CAVITY FRONT SUPPORT ASSEMBLY | 1 | | | | |
| 3 | 100.101.000 | INPUT COUPLER, COLD | 2 | | | | |
| 2 | 7102-011 | 2-CELL CAVITY STANDARD MODULE | 1 | | | | |
| 1 | 7102-030 (SH.1) | 2-CELL CAVITY ASSEMBLY I | X | | | | |

FOR MACHINING LUBRICANT USE ONLY
ALKALINE DETERGENT LUBRICANT CIMSTAR 40
OR EQUIVALENT APPROVED BY CORNELL LEPP

| TECHNICAL RESOURCE APPROVALS REQUIRED BEFORE FABRICATION | OK | DATE | N/A |
|---|---|---|---|
| DRAFTING (O'Connel): | | | |
| MACHINE SHOP (Kaminski): | | | |
| CHEMISTRY (Conklin): | | | |
| ELECTRONICS SHOP (Barley): | | | |
| FURNACE BRAZING (Sherwood): | | | |
| BEAM WELDING (Sears): | | | |
| WELDING OTHER (Gallagher): | | | |
| UTILITIES INTEGRATION (Gallagher): | | | |
| STOCKROOMS (Lockwood): | | | |

D | PRINT DISTR. | CR-1 | SH NO. 1 OF 1 | 7102-030 | REV. B

PLOT DATE: 6/6/2007
CAD FILE NAME: 7102-030.idw

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES;
TOLERANCES ON:
.00 ± .010
.000 ± .005
FRACTIONS ± 1/64
ANGLES ± 0.5°
ALL SURFACES 63

CHECKED BY: VM
APPROVED BY: VM

CORNELL UNIVERSITY LEPP
LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS

CORNELL UNIVERSITY
Floyd R. Newman Laboratory
Ithaca, NY 14853

ERL INJECTOR CRYOMODYLE
2-CELL CAVITY ASSEMBLY I

| DRAWN BY | DRAWN FOR | DATE | SCALE | | | REV. |
|---|---|---|---|---|---|---|
| V.Medjidzade | M.Liepe | 1/25/2007 | | D | 7102-030 SH. NO. 1 OF 1 | B |