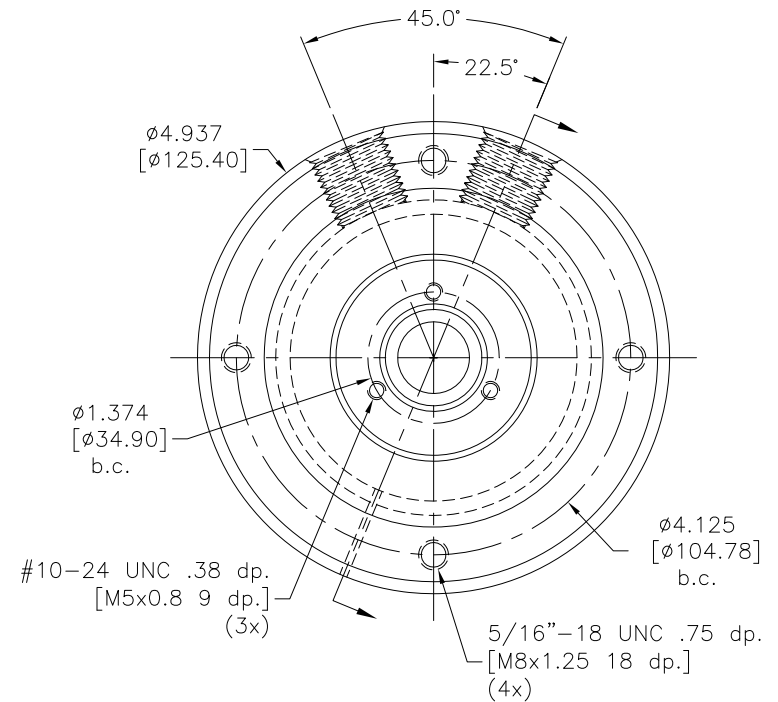
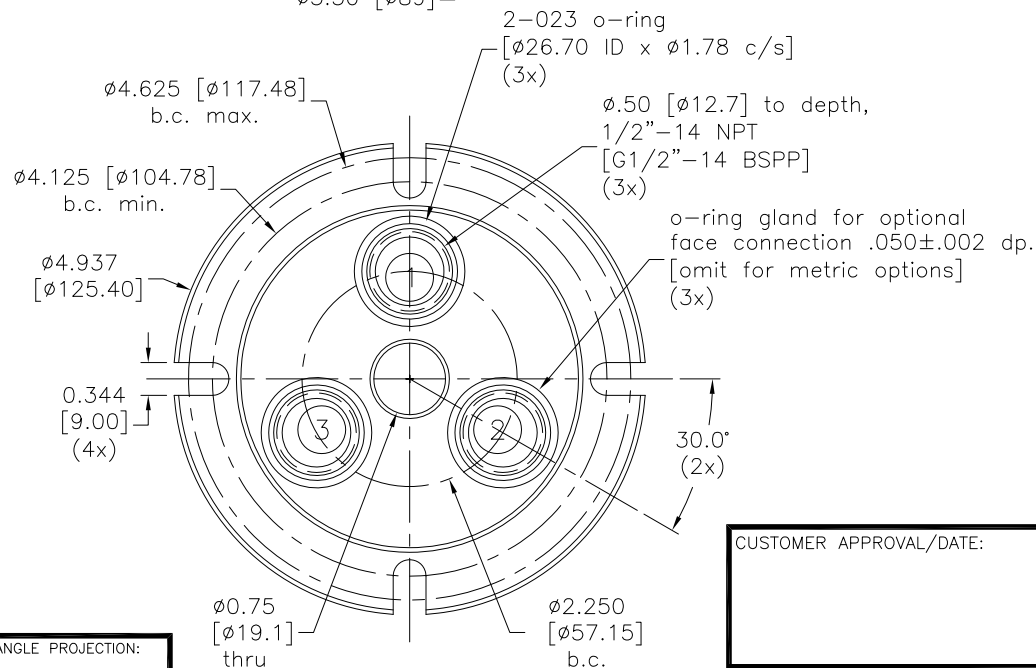
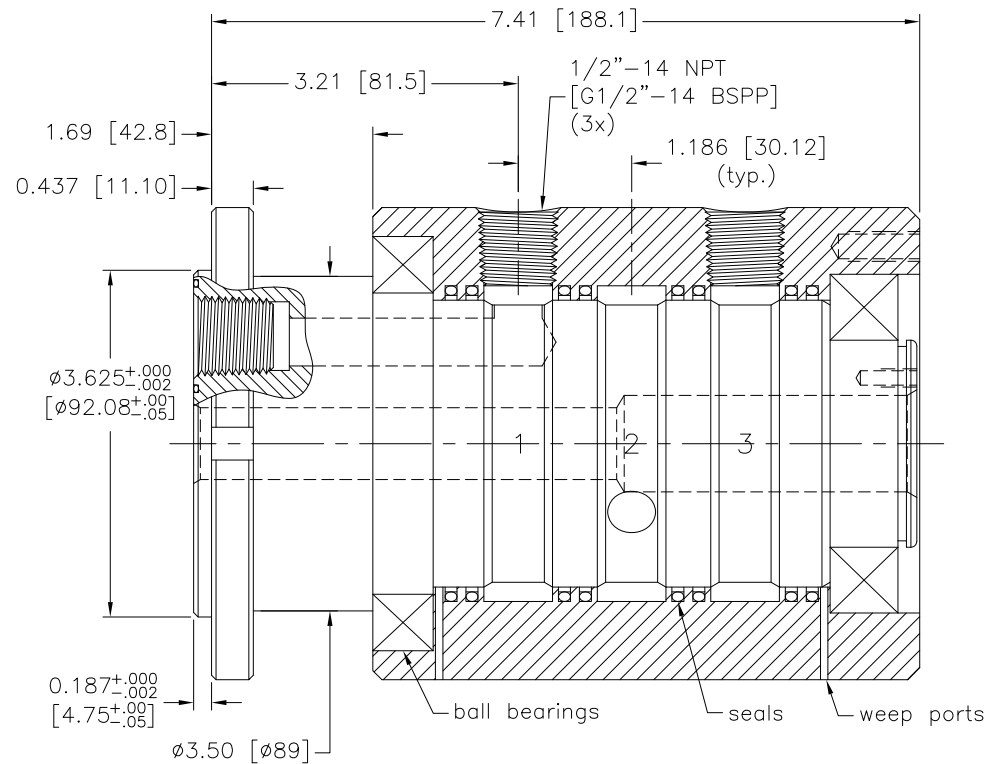


| Rev: | Date     | By  | Chk | Description |
|------|----------|-----|-----|-------------|
| A.1  | 11/19/12 | PJE | RAW | ECO 0024    |

**Notes:**

1. Union will be rotated for seal break-in and static air tested.
2. Media must be filtered, clean and free of abrasive content or reduced union life will result.
3. Stainless steel union construction available by using GPS in place of GP in the series designation prefix.
4. Metric connections and threads available by using GPM in place of GP in the series designation prefix.
5. Stainless steel union construction and metric connections/threads available by using GPMS in place of GP in the series designation prefix.
6. See SHEETS 2 and 3 for product options.

|         |     |          |
|---------|-----|----------|
| Drawn   | JSM | 1/20/02  |
| Checked | PJE | 2/13/06  |
| Checked | PJE | 12/27/07 |

| TOLERANCE EXCEPT AS NOTED |        |
|---------------------------|--------|
| X.X                       | ±.125  |
| X.XX                      | ±.015  |
| X.XXX                     | ±.005  |
| ANGLES                    | ± 0.5° |

|                     |                    |
|---------------------|--------------------|
| SHAFT MTL/PLTING:   |                    |
| CARBON STL 60-62 Rc | 17-4 SSSL 40-47 Rc |
| BLK OXIDE           | TDC                |

|                     |          |
|---------------------|----------|
| HOUSING MTL/PLTING: |          |
| CARBON STL          | 303 SSSL |
| BLK OXIDE           |          |



CUSTOMER:

STOCK

P/N:

GP(S)(M)-431

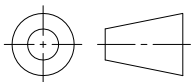
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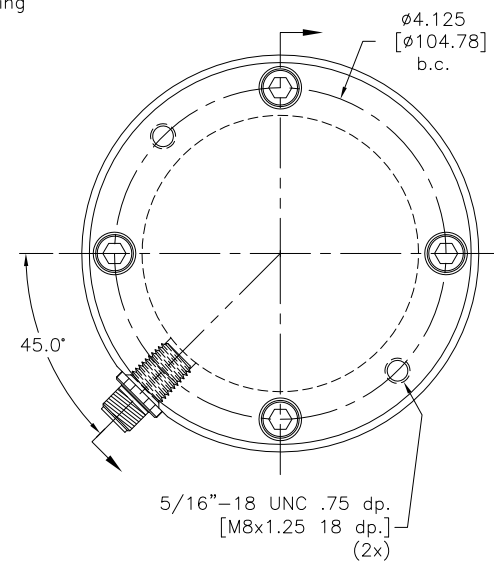
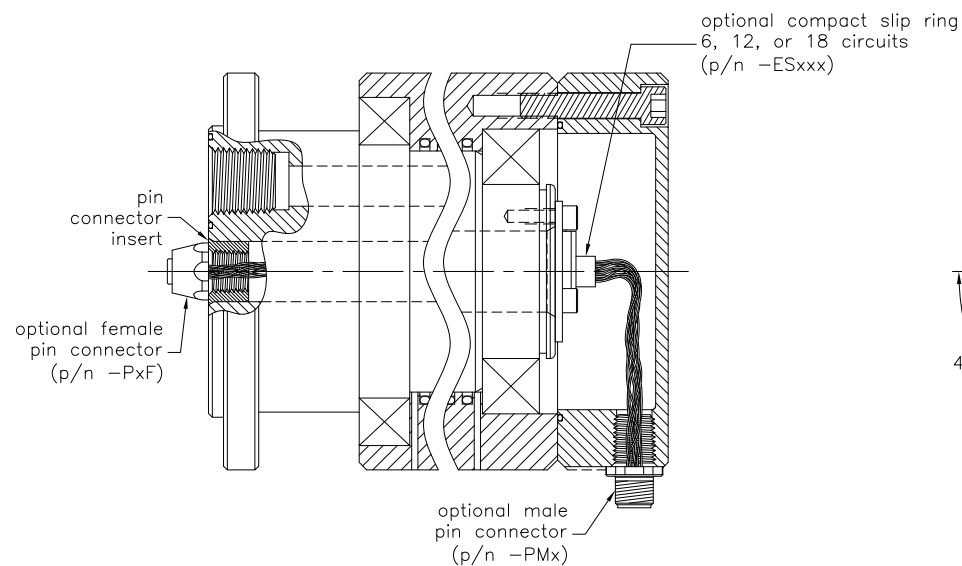
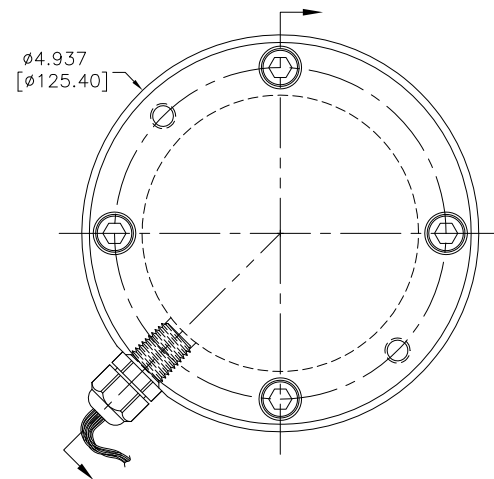
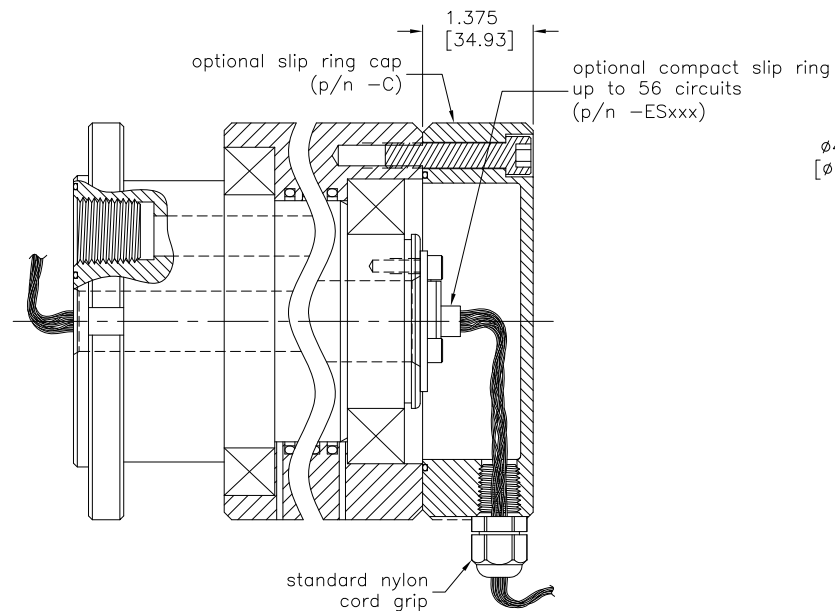
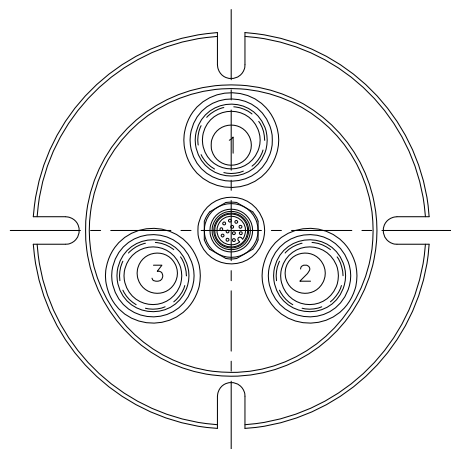
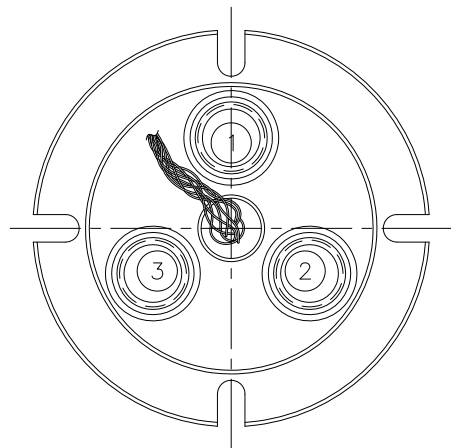
A.1

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THIRD ANGLE PROJECTION:



**Notes:**

- Optional male AND female pin connector (p/n -PMF).
- Contact DSTI for details about slip rings and pin connectors.

|         |     |          |
|---------|-----|----------|
| Drawn   | PJE | 2/13/06  |
| Checked | PJE | 4/21/08  |
| Checked | PJE | 11/19/12 |

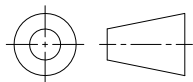
**TOLERANCE  
EXCEPT AS NOTED**

|        |        |
|--------|--------|
| X.X    | ±.125  |
| X.XX   | ±.015  |
| X.XXX  | ±.005  |
| ANGLES | ± 0.5° |

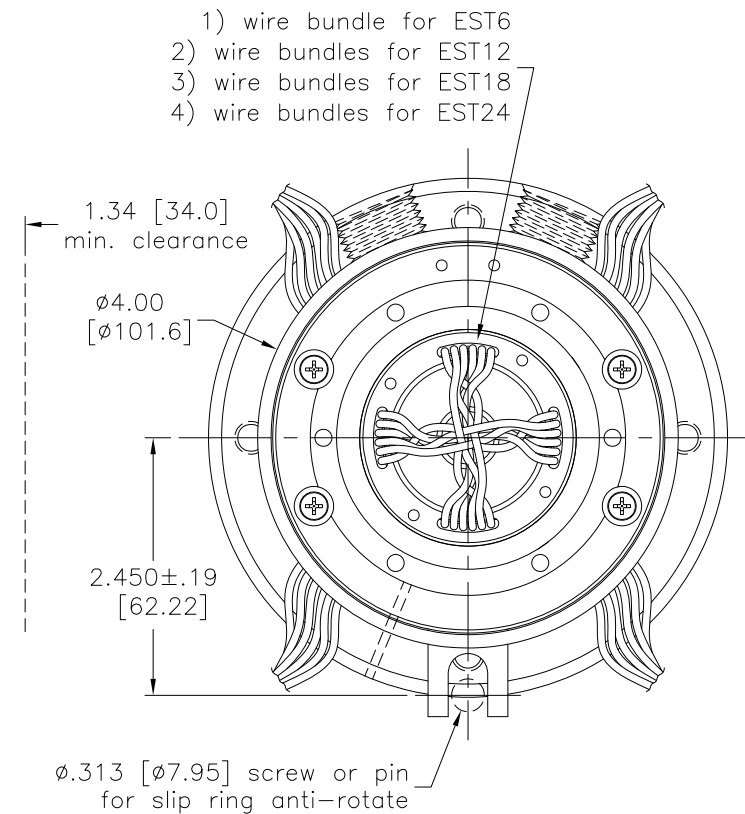
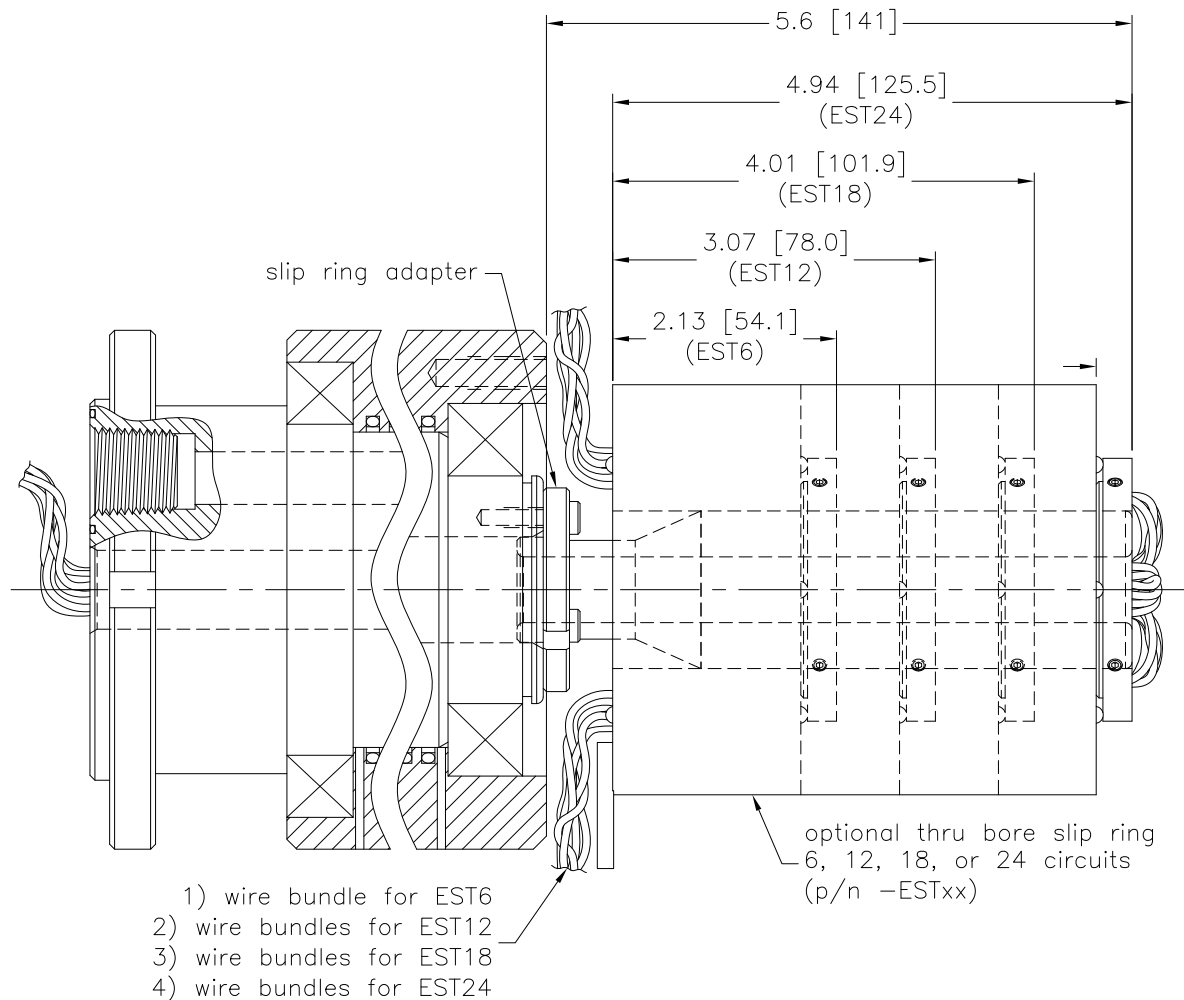
CAP MTL/PLTING:

ALUM  
BLUE ANODIZEPIN CONNECTOR  
INSERT MTL/PLTING:  
ALUM  
BLUE ANODIZECUSTOMER:  
STOCK OPTIONSP/N:  
GP(S)(M)-431REV:  
A.1

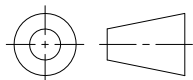
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THIRD ANGLE PROJECTION:



|         |     |          |
|---------|-----|----------|
| Drawn   | PJE | 11/19/12 |
| Checked | RAW | 11/20/12 |
| Checked | -   | -        |

TOLERANCE  
EXCEPT AS NOTED

X.X  $\pm .125$   
 X.XX  $\pm .015$   
 X.XXX  $\pm .005$   
 ANGLES  $\pm 0.5^\circ$

ADAPTER MTL/PLTING:

ALUM  
BLUE ANODIZE

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CUSTOMER:  
 STOCK OPTIONS

P/N:  
 GP(S)(M)-431

REV:  
 A.1