

# 627-122

## Composite Swing-Arm Strain Relief with Self-Locking Rotatable Coupling

A

**CONNECTOR DESIGNATOR:**

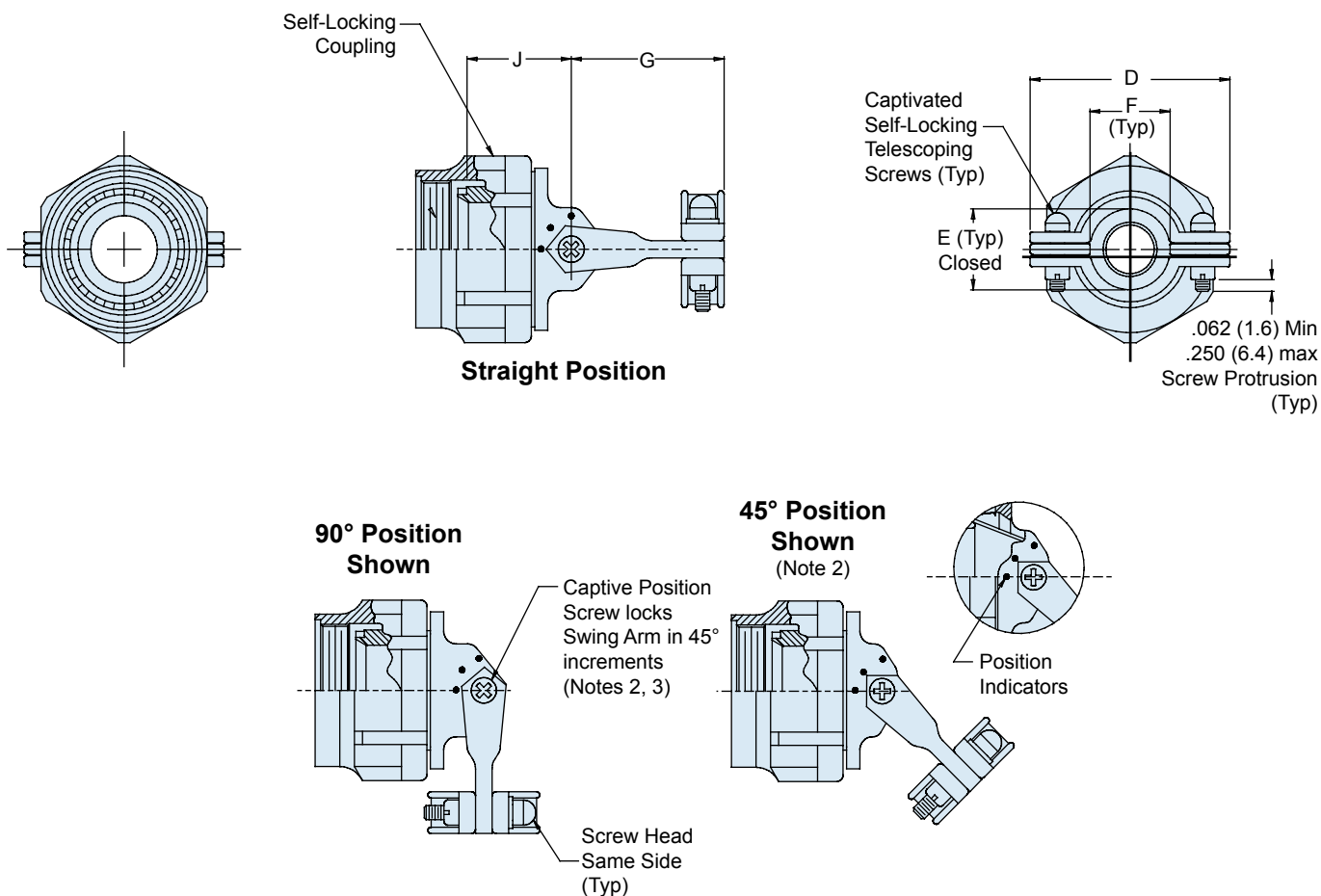
|          |                                                             |
|----------|-------------------------------------------------------------|
| <b>A</b> | MIL-DTL-5015, -26482 Series II, and -83723 Series I and III |
| <b>F</b> | MIL-DTL-38999 Series I, II                                  |
| <b>H</b> | MIL-DTL-38999 Series III and IV                             |

**SELF-LOCKING****ROTATABLE COUPLING****LOW PROFILE****Product Series**627 - Swing-Arm  
Strain Relief**Basic Part  
Number**

122

**Dash Number  
(See Table II)**

XO 16

**Connector  
Designator  
A, F and H****Finish Symbol  
(See Table III)**

U.S. PATENT NO. 6419519

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## Composite Swing-Arm Strain Relief with Self-Locking Rotatable Coupling



Composite  
Backshells

**TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER**

| Shell Size for<br>Connector<br>Designator* |    |    | E           | F           | G            | H            | J            |
|--------------------------------------------|----|----|-------------|-------------|--------------|--------------|--------------|
| A                                          | F  | H  | ±.06 (1.5)  | Min         | Max          | Max          | ±.03 0.8     |
| 08                                         | 08 | 09 | .265 (6.7)  | .220 (5.9)  | 1.060 (26.9) | .980 (24.9)  | .880 (22.4)  |
| 10                                         | 10 | 11 | .310 (7.9)  | .270 (6.9)  | 1.090 (27.7) | 1.050 (26.7) | .910 (23.1)  |
| 12                                         | 12 | 13 | .390 (9.9)  | .350 (8.9)  | 1.180 (30.0) | 1.200 (30.5) | .950 (24.1)  |
| 14                                         | 14 | 15 | .506 (12.9) | .470 (11.9) | 1.240 (31.5) | 1.300 (33.0) | 1.010 (25.7) |
| 16                                         | 16 | 17 | .591 (15.0) | .550 (14.0) | 1.320 (33.5) | 1.440 (36.6) | 1.050 (26.7) |
| 18                                         | 18 | 19 | .661 (16.8) | .620 (15.7) | 1.390 (35.3) | 1.560 (39.6) | 1.080 (30.0) |
| 20                                         | 20 | 21 | .744 (18.9) | .700 (17.8) | 1.550 (39.4) | 1.690 (42.9) | 1.120 (28.4) |
| 22                                         | 22 | 23 | .826 (21.0) | .780 (19.8) | 1.550 (39.4) | 1.770 (45.0) | 1.160 (29.5) |
| 24                                         | 24 | 25 | .896 (22.8) | .850 (21.6) | 1.610 (40.9) | 1.890 (48.0) | 1.200 (30.5) |

A

**TABLE III: FINISH**

| Symbol | Finish Description                               |
|--------|--------------------------------------------------|
| XB     | No Plating - Black Color (Non-Conductive Finish) |
| XO     | No Plating - Brown Color (Non-Conductive Finish) |

### APPLICATION NOTES

- Metric dimensions (mm) are in parentheses and are for reference only.
- Glenair series 600 Backshell assembly Tools are recommended for assembly and installation.
- Swing Arm locks in 45° increments— Sizes 08 thru 24, additional positioning increments are manufacturer's option.
- Captive Screw can remain engaged to the body when positioning the Arm. When tightened, the Screw shall not protrude into the inside surfaces.
- Coupling nut supplied unplated.
- Consult factory for additional entry sizes available.
- See Table I in Intro for front-end dimensional details.