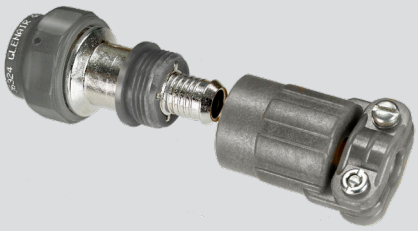
# Series 806 Mil-Aero Connectors

## 4470V*1061 Composite EMI/RFI Band-in-a-Can Backshell



***Corrosion-resistant. Self-locking. Shielded. Saddle clamp. Band termination.***
EMI/RFI "band-in-a-can" backshell fits Series 806 connectors. Terminate cable shield to backshell with optional **Band-Master ATS®** stainless steel band. Coupling nut and cable clamp are black composite material, adapter is plated with conductive nickel, nickel-PTFE or olive drab cadmium. Non-environmental. Straight, 45° or 90°.

### Specifications

- Operating temperature:
  codes XM, XMT:-65°C to +200°C
  code XW:-65°C to +175°C
- Salt spray (corrosion): 2000 hours

### Construction

- Coupling nut, cable clamp, thread ring: high grade engineering thermoplastic, no plating, black
- Adapter body: high grade engineering thermoplastic, see ordering information for finish options.
- Hardware: 300 series stainless steel
- Anti-decoupling device: thermoplastic
- Band strap: stainless steel, passivated

### How To Order

| SAMPLE PART NUMBER | 4470VS1061 | XM | 10 | 12 | B | S |
|---|---|---|---|---|---|---|
| **Product** | **4470VS1061** = Straight Backshell<br>**4470VT1061** = 45° Backshell<br>**4470VW1061** = 90° Backshell | | | | | |
| **Finish** | **XM** = Electroless nickel<br>**XMT** = Nickel/PTFE<br>**XW** = Olive Drab Cadmium | | | | | |
| **Shell Size** | **08 09 10 11 12 14 16 18 20 22 24** | | | | | |
| **Entry Code** | *See Table 1 for cable entry codes* | | | | | |
| **Band Option** | ***Omit for none.***<br>**B** = Band (601-040)<br>**K** = Pre-coiled band (601-041) | | | | | |
| **Slot Option** | ***Omit for none.***<br>**S** = slotted band platform for pigtail braid termination | | | | | |

### Band-Master Bands and Tool

*Band strap can be ordered with backshell or purchased separately.*

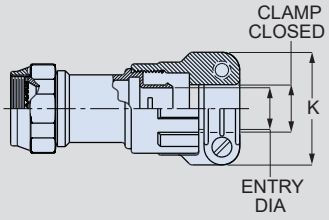
**Standard Band Ordering Information**

| Length | | Part Number | | Max Dia. | |
|---|---|---|---|---|---|
| in. | mm. | Flat | Pre-Coiled | in. | mm. |
| 9.0 | 229 | 601-005 | 601-006 | 1.0 | 25 |
| 14.0 | 356 | 601-040 | 601-041 | 1.8 | 48 |
| 18.0 | 457 | 601-049 | 601-050 | 2.5 | 64 |

**Band Strap Hand Tool**

601-100

### Table 1 Entry Code




| Entry Code | Shell Size | Entry Dia. ± .03 (0.8) | Clamp Closed ± .03 (0.8) | K ± .06 (1.5) |
|---|---|---|---|---|
| 10 | 08 thru 24 | .22 (5.59) | .26 (6.60) | .94 (23.88) |
| 12 | 10 thru 24 | .28 (7.11) | .34 (8.64) | 1.17 (29.72) |
| 14 | 12 thru 24 | .34 (8.64) | .46 (11.68) | 1.28 (32.51) |
| 16 | 14 thru 24 | .46 (11.68) | .55 (13.97) | 1.41 (35.81) |
| 18 | 18 thru 24 | .55 (13.97) | .62 (15.75) | 1.50 (38.10) |
| 20 | 18 thru 24 | .62 (15.75) | .70 (17.78) | 1.56 (39.62) |
| 22 | 22, 24 | .70 (17.78) | .78 (19.81) | 1.69 (42.93) |
| 24 | 24 | .78 (19.81) | .85 (21.59) | 1.81 (45.97) |

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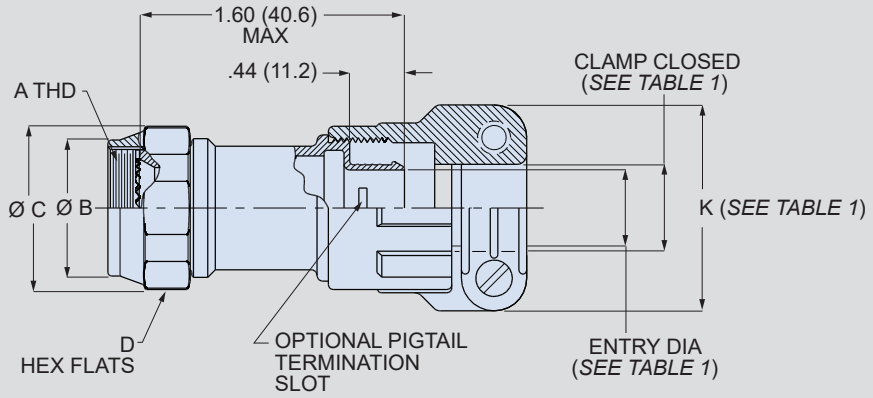
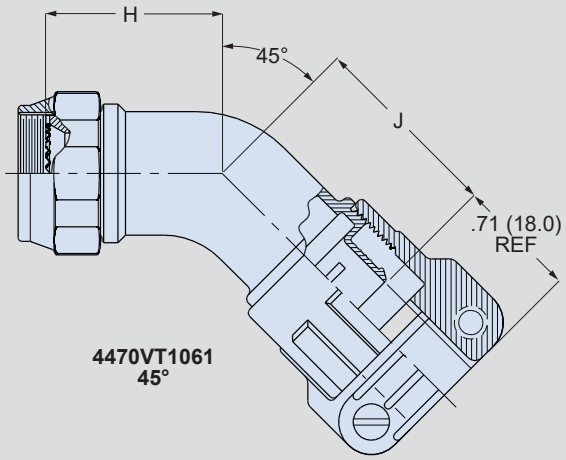
# Mil-Aero Connectors

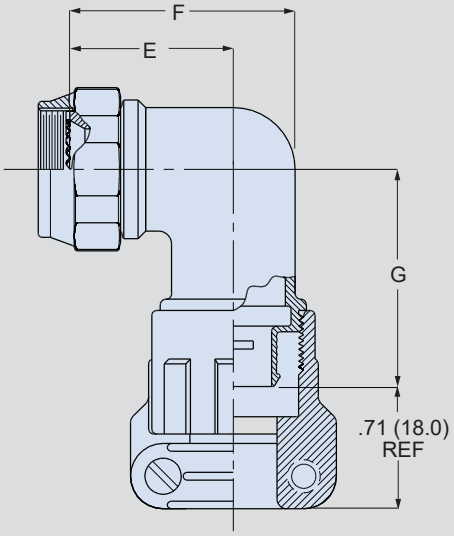
## 4470V*1061 Composite EMI/RFI Band-in-a-Can Backshell




**4470VS1061**
**STRAIGHT**




**4470VT1061**
**45°**




**4470VW1061**
**90°**

| Shell Size | Max Entry Code | A ISO Metric Thread | øB Max. | øC Max. | D Hex | E ± .06 (1.5) | F ± .09 (2.3) | G Max. | H ± .06 (1.5) | J ± .09 (2.3) |
|---|---|---|---|---|---|---|---|---|---|---|
| **08** | 10 | M10 x 1.0-6H | .65 (16.51) | .86 (21.84) | .75 (19.05) | .69 (17.53) | .88 (22.35) | 1.31 (33.27) | .72 (18.29) | 1.15 (29.21) |
| **09** | 10 | M12 x 1.0-6H | .65 (16.51) | .86 (21.84) | .75 (19.05) | .69 (17.53) | .88 (22.35) | 1.31 (33.27) | .72 (18.29) | 1.15 (29.21) |
| **10** | 12 | M14 x 1.0-6H | .77 (19.56) | .98 (24.89) | .88 (22.35) | .75 (19.05) | 1.00 (25.40) | 1.42 (36.07) | .75 (19.05) | 1.27 (32.26) |
| **11** | 12 | M15 x 1.0-6H | .77 (19.56) | .98 (24.89) | .88 (22.35) | .75 (19.05) | 1.00 (25.40) | 1.42 (36.07) | .75 (19.05) | 1.27 (32.26) |
| **12** | 14 | M17 x 1.0-6H | .89 (22.61) | 1.16 (29.46) | 1.00 (25.40) | .81 (20.57) | 1.13 (28.70) | 1.57 (39.88) | .75 (19.05) | 1.33 (33.78) |
| **14** | 16 | M19 x 1.0-6H | 1.03 (26.16) | 1.28 (32.51) | 1.13 (28.70) | .88 (22.35) | 1.31 (33.27) | 1.57 (39.88) | .76 (19.30) | 1.37 (34.80) |
| **16** | 16 | M22 x 1.0-6H | 1.03 (26.16) | 1.28 (32.51) | 1.13 (28.70) | .88 (22.35) | 1.31 (33.27) | 1.57 (39.88) | .76 (19.30) | 1.37 (34.80) |
| **18** | 20 | M25 x 1.0-6H | 1.15 (29.21) | 1.41 (35.81) | 1.25 (31.75) | .94 (23.88) | 1.38 (35.05) | 1.64 (41.66) | .78 (19.81) | 1.39 (35.31) |
| **20** | 20 | M28 x 1.0-6H | 1.28 (32.51) | 1.52 (38.61) | 1.38 (35.05) | .97 (24.64) | 1.44 (36.58) | 1.73 (43.94) | .79 (20.07) | 1.41 (35.81) |
| **22** | 22 | M31 x 1.0-6H | 1.41 (35.81) | 1.64 (41.66) | 1.50 (38.10) | 1.06 (26.92) | 1.63 (41.40) | 1.82 (46.23) | .82 (20.83) | 1.43 (36.32) |
| **24** | 24 | M34 x 1.0-6H | 1.53 (38.86) | 1.77 (44.96) | 1.63 (41.40) | 1.13 (28.70) | 1.75 (44.45) | 1.82 (46.23) | .86 (21.84) | 1.47 (37.34) |



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