

Accessories – Screwlocks

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Features

Screwlocks

- ? Screwlocks are designed to retain the same size mated connectors together or to secure the connector to a rack/panel. Screwlocks may be used on plugs or sockets.
- ? Female screwlocks consists of one #4 -40 hole in the top, two flat washers to accommodate different panel thicknesses, one lockwasher, and one #4 -40 nut. Military female screwlocks include three flat washers.
- ? Male screwlocks consist of one #4 -40 slotted screw and a spring tension clip. Different sizes accommodate the various connector flange sizes and types of backshells or hoods (if applicable).
- ? Two screwlocks are required per connector.
- ? Military screwlocks meet all requirements of MIL -C-24308.



Materials

Commercial Screwlock Assemblies

- ? Male Screwlock Assembly: Clip and screw are steel with zinc plating and yellow chromate finish. – RoHS parts have clear chromate in place of yellow chromate.
- ? Female Screwlock Assembly: Washers (2), lockwashers, hex nuts, and nuts are steel with zinc plating and yellow chromate finish. RoHS parts have clear chromate finish.

M24308 Military Screwlock Assemblies

- ? Male Screwlock Assembly: Clip and screw are steel with cadmium plating and yellow chromate finish.
- ? Female Screwlock Assembly: Washers (3), lockwashers, hex nuts, and nuts are steel with cadmium plating and yellow chromate finish.

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Part Numbers

Male Screwlocks – Ordering Information

| Shell Size | | A | | B | | E | | A | B | C | D |
|------------------------------|---------------------|-------|------|-------|------|-----|-----|------|------|----|------|
| Positions | | in | mm | in | mm | 9 | 15 | 25 | 37 | 50 | |
| COMMERCIAL | RoHS Version | | | | | | | | | | |
| D20419 -0 | D20419 -40 | 0.250 | 6.35 | 0.033 | 0.84 | P/S | P/S | S | S | | |
| D20419 -16 | D20419 -46 | 0.250 | 6.35 | 0.048 | 1.22 | S* | S* | P/S* | P/S* | | |
| D20419 -21 | N/A | 0.281 | 7.13 | 0.059 | 1.50 | | P* | P* | | | |
| D20420 -0 | N/A | 0.250 | 6.35 | 0.033 | 0.84 | | | | | | S |
| D20420 -12 | D20420 -42 | 0.281 | 7.13 | 0.048 | 1.22 | | | | | | P/S* |
| D20420 -15 | N/A | 0.281 | 7.13 | 0.059 | | | | | | | P* |
| MILITARY MIL -C-24308 | | | | | | | | | | | |
| M24308/25 -9F | Per MIL Spec | | | | | P/S | P/S | P/S | P/S | | |
| M24308/25 -10F | Per MIL Spec | | | | | | | | | | P/S |

Note: P=Plug, S=Socket *Indicates used with Junction shell

Female Screwlocks – Ordering Information

| Shell Size | | A | | E | | A | B | C | D |
|------------------------------|---------------------|-------|-------|-----|-----|-----|-----|-----|-----|
| Positions | | in | mm | 9 | 15 | 25 | 37 | 50 | |
| COMMERCIAL | RoHS Version | | | | | | | | |
| D20418 -2 | D20418 -42 | 0.312 | 7.92 | P/S | P/S | P/S | P/S | P/S | P/S |
| D20418 -39 | N/A | 0.628 | 15.95 | P/S | P/S | P/S | P/S | P/S | P/S |
| MILITARY MIL -C-24308 | | | | | | | | | |
| M24308/26 -1F | Per MIL Spec | | | P/S | P/S | P/S | P/S | P/S | P/S |
| M24308/26 -2F | Per MIL Spec | | | P/S | P/S | P/S | P/S | P/S | P/S |

Note: P=Plug, S=Socket

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