

# QWL – accessories

## cabling information

The Amphenol® QWL series of electrical connectors has been designed with the problems of multi-conductor cable users in mind. Two of these problems, namely water proofing and strain relief, are solved by the radial inward compression of an internal neoprene gland in the various cable accessories shown on the following pages. For additional strain relief beyond that provided by the gland, both cable grips and bar clamps are available. Since the glands close down from .094" to .145" (depending on shell size), the optimum condition for cable users is to select a gland with an I.D. only slightly larger than the maximum O.D. of the cable. The inside diameter of the accessory housing determines the maximum diameter of the cable as shown in the tabulation below. Smaller sizes than those shown in each shell size can be accommodated by smaller compression glands.

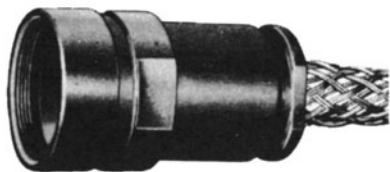
Different cable manufacturers use different constructions and cable lays in manufacturing multi-conductor cable. The specific cabling manufacturing specification should be known by the customer in detail in order to properly figure each QWL application. This knowledge can save many individual wire crossovers in any given run of cable. Crossovers add materially to the cable diameter without a cable accessory. In those cases where diameter buildup is impossible to avoid, special cable accessories with longer barrels are available.

How to order information is covered in detail on pages 4 and 5. In selecting the base number below, care should be used, as some of the cable accessories are provided with protection cap attachment rings, while others are provided with the Kellems strain relief grip as shown. If a type or cable accommodation size is not found herein that fulfills your application, please contact Amphenol, Sidney, NY.

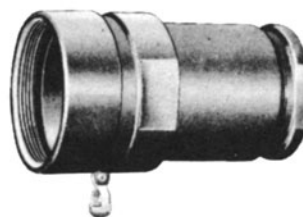
All dimensions for reference only.

| Shell Size | QWL Connector Accessory Thd. | Approx. Work Length (Internal) |       | Minimum Housing Inner Diameter | Maximum Cable Outer Diameter |
|------------|------------------------------|--------------------------------|-------|--------------------------------|------------------------------|
|            |                              | Short                          | Long  |                                |                              |
| 10         | .500-28                      | .250                           |       | .359                           | .359                         |
| 12         | .625-24                      | .375                           |       | .484                           | .484                         |
| 14         | .750-20                      | .401                           |       | .609                           | .609                         |
| 16         | .875-20                      | .500                           |       | .734                           | .734                         |
| 18         | 1.000-20                     | 1.120                          |       | .859                           | .859                         |
| 20         | 1.125-18                     | 1.370                          |       | .984                           | .984                         |
| 22         | 1.250-18                     | 1.370                          |       | 1.109                          | 1.109                        |
| 24         | 1.375-18                     | 1.370                          |       | 1.234                          | 1.234                        |
| 28         | 1.625-18                     | 1.370                          | 5.000 | 1.427                          | 1.427                        |
| 32         | 1.875-16                     | 1.370                          | 6.000 | 1.708                          | 1.708                        |
| 36         | 2.062-16                     | 1.370                          | 5.000 | 1.895                          | 1.895                        |
| 40         | 2.312-16                     | 1.370                          | 6.000 | 2.130                          | 2.130                        |
| 44         | 2.625-16                     |                                |       | 2.375                          | 2.375                        |
| 48         | 2.875-16                     | 2.218                          | 6.000 | 2.630                          | 2.630                        |

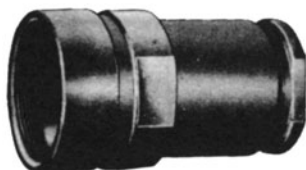
# QWL – cable accessories



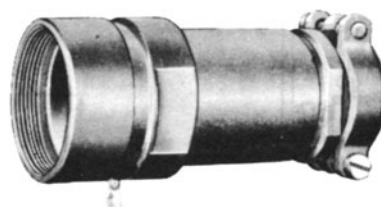
**10-101332**  
Short barrel with grip



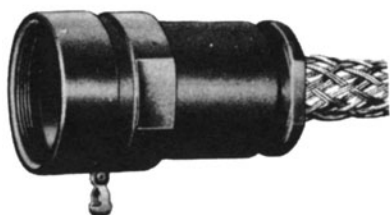
**10-101335**  
Short barrel with attachment ring



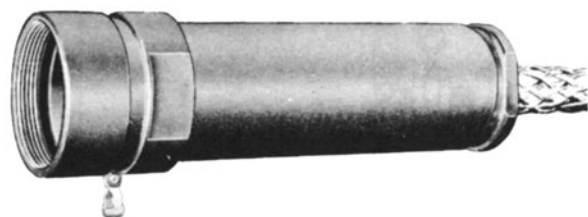
**10-101333**  
Short barrel without grip



**10-130380**  
Short barrel length with attachment  
ring & strain relief bars

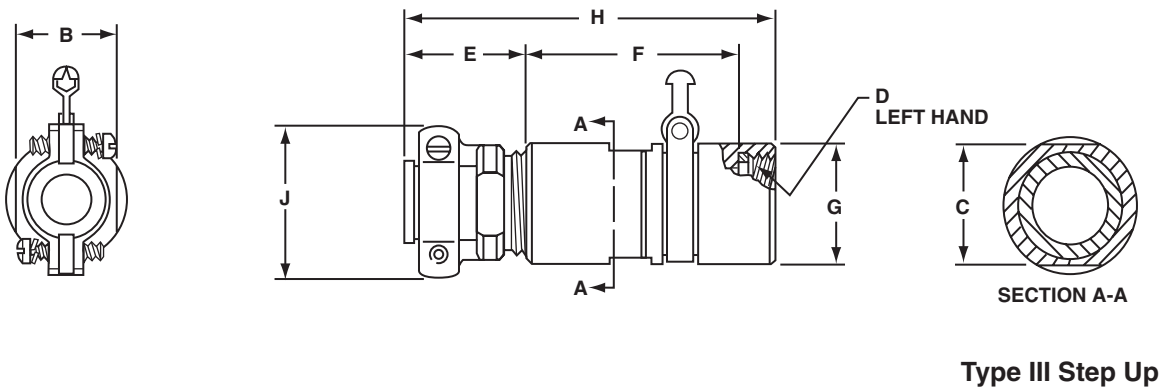
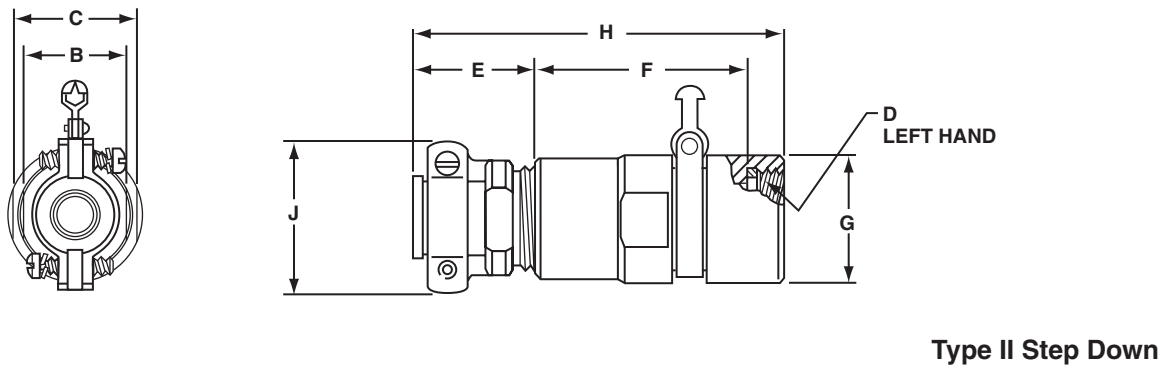
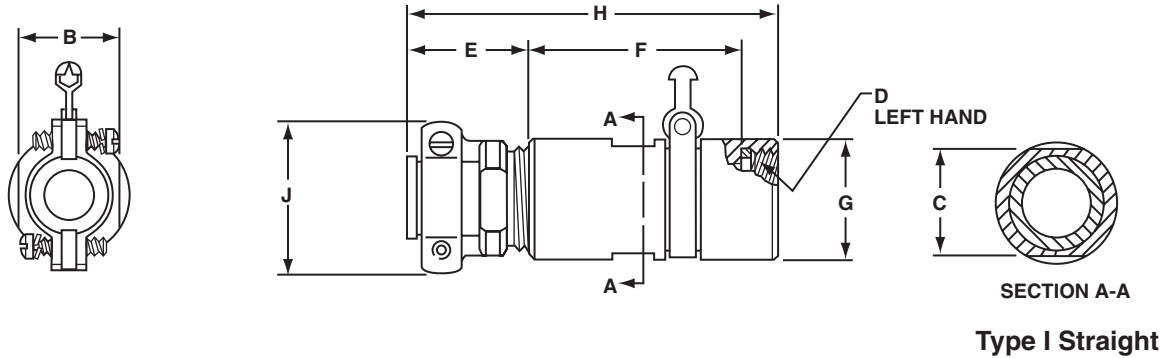


**10-101334**  
Short barrel with grip & attachment ring



**10-113637**  
Long barrel with attachment ring and grip

**QWL – accessories**  
**10-130380**  
cable sealing adapter (with clamp bars)



# QWL – accessories

## 10-130380

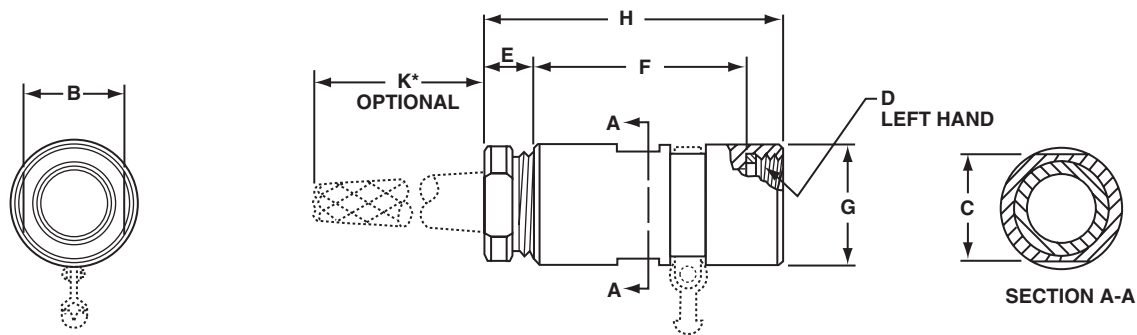
### cable sealing adapter (with clamp bars)

All dimensions are for reference only.

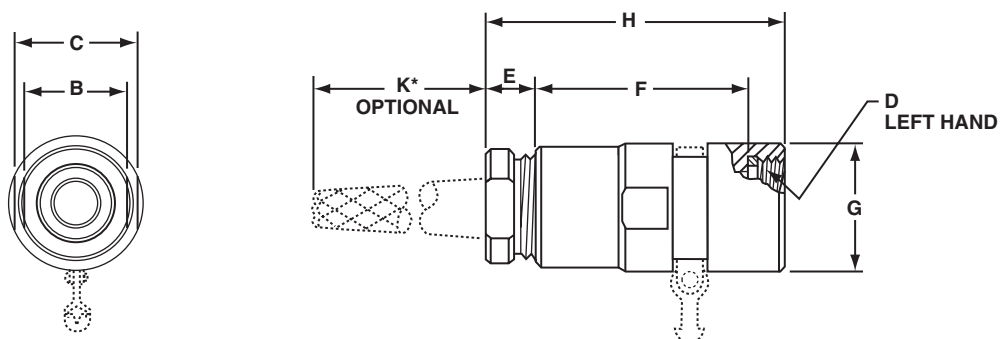
| Part Number*  | Used With Shell Size | Cable Range  |              | B<br>+.000<br>–.010 | C<br>+.010<br>–.000 | D Thread<br>Class 2B-LH | E<br>Free<br>Max | F<br>+.010<br>–.020 | G<br>Dia.<br>+.010<br>–.020 | H<br>Max. | J<br>Max. | Type |
|---------------|----------------------|--------------|--------------|---------------------|---------------------|-------------------------|------------------|---------------------|-----------------------------|-----------|-----------|------|
|               |                      | Max.<br>Dia. | Min.<br>Dia. |                     |                     |                         |                  |                     |                             |           |           |      |
| 10-130380-141 | 14S                  | .460         | .366         | .750                | .812                | .750-20UNEF             | 1.125            | 1.782               | .938                        | 3.229     | 1.062     | I    |
| 10-130380-142 | 14S                  | .438         | .344         | .875                | .938                | .750-20UNEF             | 1.125            | 2.126               | .938                        | 3.573     | 1.125     | III  |
| 10-130380-143 | 14S                  | .375         | .306         | .875                | .938                | .750-20UNEF             | 1.125            | 2.126               | .938                        | 3.573     | 1.125     | III  |
| 10-130380-161 | 16S                  | .530         | .436         | 1.000               | 1.062               | .875-20UNEF             | 1.250            | 2.282               | 1.062                       | 3.854     | 1.375     | III  |
| 10-130380-162 | 16S                  | .605         | .511         | 1.000               | 1.062               | .875-20UNEF             | 1.250            | 2.282               | 1.062                       | 3.854     | 1.375     | III  |
| 10-130380-171 | 16                   | .500         | .406         | .875                | .938                | .875-20UNEF             | 1.125            | 2.215               | 1.062                       | 3.834     | 1.125     | I    |
| 10-130380-181 | 18                   | .828         | .715         | 1.188               | 1.250               | 1.000-20UNEF            | 1.250            | 3.032               | 1.188                       | 4.776     | 1.688     | III  |
| 10-130380-182 | 18                   | .699         | .605         | 1.062               | 1.125               | 1.000-20UNEF            | 1.250            | 2.933               | 1.188                       | 4.677     | 1.562     | III  |
| 10-130380-183 | 18                   | .500         | .406         | .875                | 1.094               | 1.000-20UNEF            | 1.125            | 2.485               | 1.188                       | 4.104     | 1.125     | II   |
| 10-130380-184 | 18                   | .562         | .449         | 1.188               | 1.250               | 1.000-20UNEF            | 1.250            | 3.032               | 1.188                       | 4.776     | 1.688     | III  |
| 10-130380-185 | 18                   | .750         | .637         | 1.312               | 1.000               | 1.000-20UNEF            | 1.250            | 3.063               | 1.188                       | 4.607     | 1.812     | III  |
| 10-130380-186 | 18                   | .530         | .436         | 1.000               | 1.062               | 1.000-20UNEF            | 1.250            | 2.621               | 1.188                       | 4.365     | 1.375     | I    |
| 10-130380-201 | 20                   | .625         | .531         | 1.062               | 1.125               | 1.125-18UNEF            | 1.250            | 2.933               | 1.312                       | 4.677     | 1.562     | I    |
| 10-130380-202 | 20                   | .605         | .511         | 1.000               | 1.125               | 1.125-18UNEF            | 1.250            | 2.631               | 1.312                       | 4.365     | 1.375     | II   |
| 10-130380-203 | 20                   | .628         | .715         | 1.188               | 1.125               | 1.125-18UNEF            | 1.250            | 2.996               | 1.312                       | 4.740     | 1.688     | III  |
| 10-130380-204 | 20                   | .720         | .626         | 1.062               | 1.125               | 1.125-18UNEF            | 1.250            | 2.933               | 1.312                       | 4.677     | 1.562     | I    |
| 10-130380-205 | 20                   | .900         | .787         | 1.312               | 1.250               | 1.125-18UNEF            | 1.250            | 3.062               | 1.312                       | 4.807     | 1.812     | III  |
| 10-130380-206 | 20                   | .625         | .531         | 1.062               | 1.125               | 1.125-18UNEF            | 1.250            | 2.933               | 1.312                       | 4.677     | 1.562     | I    |
| 10-130380-207 | 20                   | .750         | .637         | 1.312               | 1.250               | 1.125-18UNEF            | 1.250            | 3.063               | 1.312                       | 4.807     | 1.812     | III  |
| 10-130380-221 | 22                   | .790         | .696         | 1.062               | 1.250               | 1.250-18UNEF            | 1.250            | 2.933               | 1.438                       | 4.677     | 1.562     | II   |
| 10-130380-222 | 22                   | .720         | .626         | 1.062               | 1.250               | 1.250-18UNEF            | 1.250            | 2.933               | 1.438                       | 4.677     | 1.562     | II   |
| 10-130380-223 | 22                   | 1.130        | 1.005        | 1.780               | 1.375               | 1.250-18UNEF            | 1.500            | 3.266               | 1.438                       | 5.250     | 2.469     | III  |
| 10-130380-224 | 22                   | .680         | .567         | 1.312               | 1.375               | 1.250-18UNEF            | 1.250            | 3.059               | 1.438                       | 4.803     | 1.812     | III  |
| 10-130380-242 | 24                   | .900         | .787         | 1.312               | 1.375               | 1.375-18UNEF            | 1.250            | 3.059               | 1.562                       | 4.803     | 1.812     | I    |
| 10-130380-243 | 24                   | 1.180        | 1.055        | 1.780               | 1.812               | 1.375-18UNEF            | 1.500            | 3.204               | 1.562                       | 5.198     | 2.469     | III  |
| 10-130380-244 | 24                   | .680         | .567         | 1.312               | 1.375               | 1.375-18UNEF            | 1.250            | 3.059               | 1.562                       | 4.803     | 1.812     | I    |
| 10-130380-245 | 24                   | .630         | .517         | 1.312               | 1.375               | 1.375-18UNEF            | 1.250            | 3.059               | 1.562                       | 4.803     | 1.812     | I    |
| 10-130380-246 | 24                   | 1.000        | .875         | 1.546               | 1.625               | 1.375-18UNEF            | 1.500            | 3.121               | 1.562                       | 5.115     | 2.125     | III  |
| 10-130380-247 | 24                   | .805         | .692         | 1.312               | 1.375               | 1.375-18UNEF            | 1.250            | 3.059               | 1.562                       | 4.803     | 1.812     | I    |
| 10-130380-281 | 28                   | 1.310        | 1.185        | 1.780               | 1.875               | 1.625-18UNEF            | 1.500            | 3.184               | 1.812                       | 5.178     | 2.469     | III  |
| 10-130380-282 | 28                   | .970         | .857         | 1.312               | 1.625               | 1.625-18UNEF            | 1.250            | 3.059               | 1.812                       | 4.803     | 1.812     | II   |
| 10-130380-283 | 28                   | .880         | .755         | 1.546               | 1.625               | 1.625-18UNEF            | 1.500            | 3.121               | 1.812                       | 5.115     | 2.125     | I    |
| 10-130380-284 | 28                   | 1.427        | 1.320        | 2.000               | 1.875               | 1.625-18UNEF            | 1.500            | 3.184               | 1.812                       | 5.178     | 2.625     | III  |
| 10-130380-321 | 32                   | .970         | .875         | 1.312               | 1.875               | 1.875-16UN              | 1.250            | 3.059               | 2.062                       | 4.803     | 1.812     | II   |
| 10-130380-322 | 32                   | 1.230        | 1.105        | 1.780               | 1.875               | 1.875-16UN              | 1.500            | 3.184               | 2.062                       | 5.178     | 2.469     | I    |
| 10-130380-323 | 32                   | 1.328        | 1.240        | 1.780               | 1.875               | 1.875-16UN              | 1.500            | 3.184               | 2.062                       | 5.178     | 2.469     | I    |
| 10-130380-324 | 32                   | .750         | .637         | 1.312               | 1.875               | 1.875-16UN              | 1.250            | 3.059               | 2.062                       | 4.803     | 1.812     | II   |
| 10-130380-325 | 32                   | 1.055        | .958         | 1.546               | 1.875               | 1.875-16UN              | 1.500            | 3.121               | 2.062                       | 5.115     | 2.125     | II   |
| 10-130380-326 | 32                   | 1.375        | 1.250        | 2.000               | 2.062               | 1.875-16UN              | 1.500            | 3.246               | 2.062                       | 5.240     | 2.625     | III  |
| 10-130380-361 | 36                   | 1.310        | 1.185        | 1.780               | 2.062               | 2.0625-16UN             | 1.500            | 3.184               | 2.312                       | 5.178     | 2.469     | II   |
| 10-130380-362 | 36                   | 1.900        | 1.775        | 2.438               | 2.312               | 2.0625-16UN             | 1.625            | 3.500               | 2.312                       | 5.619     | 3.171     | III  |
| 10-130380-363 | 36                   | 1.530        | 1.406        | 2.000               | 2.062               | 2.0625-16UN             | 1.500            | 3.246               | 2.312                       | 5.240     | 2.625     | I    |
| 10-130380-364 | 36                   | 1.445        | 1.320        | 2.000               | 2.062               | 2.0625-16UN             | 1.500            | 3.246               | 2.312                       | 5.240     | 2.625     | I    |
| 10-130380-365 | 36                   | .805         | .692         | 1.312               | 2.062               | 2.0625-16UN             | 1.250            | 3.059               | 2.312                       | 4.803     | 1.812     | II   |
| 10-130380-366 | 36                   | .603         | .511         | 1.000               | 2.000               | 2.0625-16UN             | 1.250            | 2.875               | 2.312                       | 4.619     | 1.375     | II   |
| 10-130380-367 | 36                   | 1.000        | .875         | 1.546               | 2.062               | 2.0625-16UN             | 1.500            | 3.121               | 2.312                       | 5.115     | 2.125     | II   |
| 10-130380-401 | 40                   | 1.730        | 1.605        | 2.438               | 2.500               | 2.3125-16UN             | 1.625            | 3.469               | 2.562                       | 5.588     | 3.171     | III  |
| 10-130380-402 | 40                   | 1.310        | 1.185        | 1.780               | 2.312               | 2.3125-16UN             | 1.500            | 3.184               | 2.562                       | 5.178     | 2.469     | II   |
| 10-130380-403 | 40                   | 1.180        | 1.055        | 1.780               | 2.312               | 2.3125-16UN             | 1.500            | 3.184               | 2.562                       | 5.178     | 2.469     | II   |
| 10-130380-404 | 40                   | 1.109        | .984         | 1.546               | 2.312               | 2.3125-16UN             | 1.500            | 3.121               | 2.562                       | 5.115     | 2.125     | II   |
| 10-130380-441 | 44                   | 1.900        | 1.775        | 2.438               | 2.750               | 2.625-16UN              | 1.625            | 4.281               | 2.875                       | 6.588     | 3.171     | II   |

\*For complete order number see pages 4 and 5.

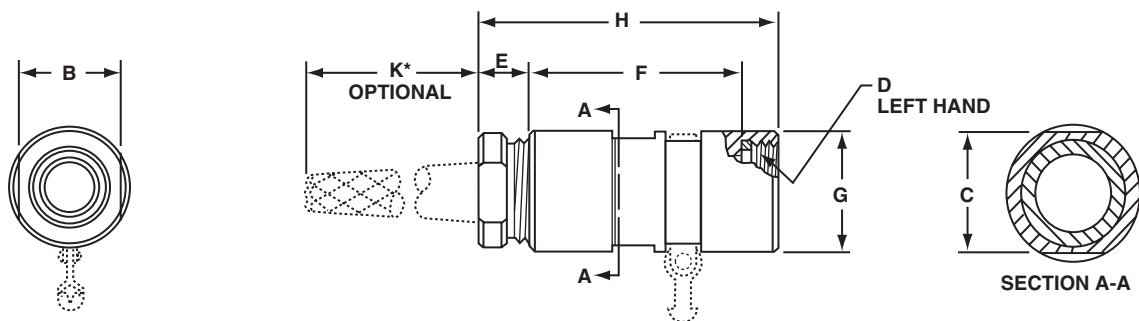
**QWL – accessories**  
**10-10133X**  
cable sealing adapter



**Type I Straight**



**Type II Step Down**



**Type III Step Up**

\*Wire grip dimensions (K) apply to 10-101332 and 10-101334 assemblies only.

# QWL – accessories

## 10-10133X

### cable sealing adapter

All dimensions are for reference only.

| Part Number*  | Used With Shell Size | Cable Range  |              | B<br>+.000<br>–.010 | C<br>+.010<br>–.000 | D Thread<br>Class 2B-LH | E<br>Free<br>Max. | F<br>+.010<br>–.020 | G<br>Dia.<br>+.010<br>–.020 | H<br>±.045 | K<br>Free<br>Approx. | Type |
|---------------|----------------------|--------------|--------------|---------------------|---------------------|-------------------------|-------------------|---------------------|-----------------------------|------------|----------------------|------|
|               |                      | Max.<br>Dia. | Min.<br>Dia. |                     |                     |                         |                   |                     |                             |            |                      |      |
| 10-10133X-121 | 12S                  | .281         | .219         | .750                | .812                | .6250-24NEF             | .500              | 1.938               | .812                        | 2.750      | 2.844                | III  |
| 10-10133X-122 | 12S                  | .500         | .406         | 1.062               | 1.000               | .6250-24NEF             | .562              | 2.875               | .812                        | 3.750      | 4.688                | III  |
| 10-10133X-123 | 12S                  | .405         | .316         | 1.000               | .812                | .6250-24NEF             | .562              | 2.548               | .812                        | 3.422      | 3.688                | III  |
| 10-10133X-141 | 14S                  | .337         | .281         | .750                | .812                | .7500-20UNEF            | .500              | 1.782               | .938                        | 2.594      | 3.344                | I    |
| 10-10133X-142 | 14S                  | .222         | .160         | .625                | .812                | .7500-20UNEF            | .562              | 1.782               | .938                        | 2.532      | 2.406                | II   |
| 10-10133X-143 | 14S                  | .281         | .219         | .750                | .812                | .7500-20UNEF            | .500              | 1.782               | .938                        | 2.594      | 2.844                | I    |
| 10-10133X-144 | 14S                  | .530         | .441         | 1.000               | .812                | .7500-20UNEF            | .562              | 2.719               | .938                        | 3.594      | 4.688                | III  |
| 10-10133X-145 | 14S                  | .463         | .406         | .875                | .938                | .7500-20UNEF            | .500              | 2.126               | .938                        | 2.938      | 4.344                | III  |
| 10-10133X-146 | 14S                  | .405         | .316         | 1.000               | .812                | .7500-20UNEF            | .562              | 2.719               | .938                        | 3.594      | 3.688                | III  |
| 10-10133X-151 | 14                   | .405         | .316         | 1.000               | .812                | .7500-20UNEF            | .562              | 2.719               | .938                        | 3.765      | 3.688                | III  |
| 10-10133X-161 | 16S                  | .463         | .406         | .875                | .938                | .8750-20UNEF            | .500              | 1.844               | 1.062                       | 2.656      | 4.344                | I    |
| 10-10133X-162 | 16S                  | .589         | .511         | 1.000               | 1.062               | .8750-20UNEF            | .562              | 2.282               | 1.062                       | 3.156      | 5.188                | III  |
| 10-10133X-163 | 16S                  | .625         | .580         | 1.062               | 1.125               | .8750-20UNEF            | .562              | 2.933               | 1.062                       | 3.807      | 6.188                | III  |
| 10-10133X-164 | 16S                  | .405         | .316         | 1.000               | 1.062               | .8750-20UNEF            | .562              | 2.282               | 1.062                       | 3.156      | 3.688                | III  |
| 10-10133X-165 | 16S                  | .530         | .441         | 1.000               | 1.062               | .8750-20UNEF            | .562              | 2.282               | 1.062                       | 3.156      | 4.688                | III  |
| 10-10133X-166 | 16S                  | .699         | .605         | 1.062               | 1.125               | .8750-20UNEF            | .562              | 2.933               | 1.062                       | 3.807      | 6.188                | III  |
| 10-10133X-167 | 16S                  | .281         | .219         | .750                | .938                | .8750-20UNEF            | .500              | 1.844               | 1.062                       | 2.656      | 2.844                | II   |
| 10-10133X-171 | 16                   | .589         | .511         | 1.000               | 1.062               | .8750-20UNEF            | .562              | 2.621               | 1.062                       | 3.667      | 5.188                | III  |
| 10-10133X-172 | 16                   | .438         | .400         | .875                | .938                | .8750-20UNEF            | .500              | 2.215               | 1.062                       | 3.199      | 4.344                | I    |
| 10-10133X-173 | 16                   | .625         | .580         | 1.062               | 1.125               | .8750-20UNEF            | .562              | 2.933               | 1.062                       | 3.979      | 6.188                | III  |
| 10-10133X-174 | 16                   | .530         | .441         | 1.000               | 1.062               | .8750-20UNEF            | .562              | 2.621               | 1.062                       | 3.667      | 4.688                | III  |
| 10-10133X-175 | 16                   | .405         | .316         | 1.000               | 1.062               | .8750-20UNEF            | .562              | 2.621               | 1.062                       | 3.667      | 3.688                | III  |
| 10-10133X-181 | 18                   | .589         | .511         | 1.000               | 1.062               | 1.0000-20UNEF           | .562              | 2.621               | 1.188                       | 3.667      | 5.188                | I    |
| 10-10133X-182 | 18                   | .625         | .580         | 1.062               | 1.125               | 1.0000-20UNEF           | .562              | 2.933               | 1.188                       | 3.979      | 6.188                | III  |
| 10-10133X-183 | 18                   | .530         | .441         | 1.000               | 1.062               | 1.0000-20UNEF           | .562              | 2.621               | 1.188                       | 3.667      | 4.688                | I    |
| 10-10133X-184 | 18                   | .699         | .605         | 1.062               | 1.125               | 1.0000-20UNEF           | .562              | 2.933               | 1.188                       | 3.979      | 6.188                | III  |
| 10-10133X-185 | 18                   | .405         | .316         | 1.000               | 1.062               | 1.0000-20UNEF           | .562              | 2.621               | 1.188                       | 3.667      | 3.688                | I    |
| 10-10133X-186 | 18                   | .455         | .361         | 1.062               | 1.125               | 1.0000-20UNEF           | .562              | 2.933               | 1.188                       | 3.979      | 4.188                | III  |
| 10-10133X-187 | 18                   | .750         | .637         | 1.250               | 1.000               | 1.0000-20UNEF           | .562              | 3.063               | 1.188                       | 4.109      | 6.688                | III  |
| 10-10133X-188 | 18                   | .172         | .078         | .750                | .938                | 1.0000-20UNEF           | .500              | 2.407               | 1.188                       | 3.391      | 2.844                | II   |
| 10-10133X-190 | 18                   | .805         | .692         | 1.250               | 1.000               | 1.0000-20UNEF           | .562              | 3.063               | 1.188                       | 4.109      | 6.688                | III  |
| 10-10133X-201 | 20                   | .625         | .580         | 1.062               | 1.125               | 1.1250-18NEF            | .562              | 2.933               | 1.312                       | 3.979      | 6.188                | I    |
| 10-10133X-202 | 20                   | .699         | .605         | 1.062               | 1.125               | 1.1250-18NEF            | .562              | 2.933               | 1.312                       | 3.979      | 6.188                | I    |
| 10-10133X-203 | 20                   | .500         | .406         | 1.062               | 1.125               | 1.1250-18NEF            | .562              | 2.933               | 1.312                       | 3.979      | 4.688                | I    |
| 10-10133X-204 | 20                   | .337         | .281         | .750                | 1.125               | 1.1250-18NEF            | .500              | 2.438               | 1.312                       | 3.422      | 3.344                | II   |
| 10-10133X-205 | 20                   | .828         | .715         | 1.125               | 1.250               | 1.1250-18NEF            | .547              | 2.996               | 1.312                       | 4.042      | 6.688                | III  |
| 10-10133X-206 | 20                   | .375         | .312         | .875                | 1.125               | 1.1250-18NEF            | .500              | 2.469               | 1.312                       | 3.453      | 3.844                | II   |
| 10-10133X-207 | 20                   | .281         | .219         | .750                | 1.125               | 1.1250-18NEF            | .500              | 2.438               | 1.312                       | 3.422      | 2.844                | II   |
| 10-10133X-208 | 20                   | .455         | .361         | 1.062               | 1.125               | 1.1250-18NEF            | .562              | 2.933               | 1.312                       | 3.979      | 4.188                | I    |
| 10-10133X-209 | 20                   | .589         | .511         | 1.000               | 1.125               | 1.1250-18NEF            | .562              | 2.621               | 1.312                       | 3.667      | 5.188                | II   |
| 10-10133X-210 | 20                   | .530         | .441         | 1.000               | 1.125               | 1.1250-18NEF            | .562              | 2.621               | 1.312                       | 3.667      | 4.688                | II   |
| 10-10133X-211 | 20                   | .900         | .791         | 1.250               | 1.250               | 1.1250-18NEF            | .562              | 3.063               | 1.312                       | 4.109      | 7.188                | III  |

\*For complete order number see pages 4 and 5.

# QWL – accessories

## 10-10133X

### cable sealing adapter

All dimensions are for reference only.

| Part Number*  | Used With Shell Size | Cable Range    |              | B<br>+.000<br>-.010 | C<br>+.000<br>-.010 | D Thread<br>Class 2B-LH | E<br>Free<br>±.010 | F<br>+.010<br>-.020 | G<br>Dia.<br>+.010<br>-.020 | H<br>±.045 | K<br>Free<br>Approx. | Type |
|---------------|----------------------|----------------|--------------|---------------------|---------------------|-------------------------|--------------------|---------------------|-----------------------------|------------|----------------------|------|
|               |                      | Max.<br>Dia.   | Min.<br>Dia. |                     |                     |                         |                    |                     |                             |            |                      |      |
| 10-10133X-221 | 22                   | .699           | .605         | 1.062               | 1.250               | 1.2500-18NEF            | .562               | 2.933               | 1.438                       | 3.979      | 6.188                | II   |
| 10-10133X-222 | 22                   | .750           | .637         | 1.250               | 1.375               | 1.2500-18NEF            | .562               | 3.059               | 1.438                       | 4.105      | 6.688                | III  |
| 10-10133X-223 | 22                   | .445           | .367         | 1.062               | 1.250               | 1.2500-18NEF            | .562               | 2.933               | 1.438                       | 3.979      | 4.188                | II   |
| 10-10133X-224 | 22                   | 1.000          | .875         | 1.500               | 1.375               | 1.2500-18NEF            | .562               | 3.121               | 1.438                       | 4.167      | 7.188                | III  |
| 10-10133X-225 | 22                   | .828           | .715         | 1.125               | 1.250               | 1.2500-18NEF            | .594               | 2.996               | 1.438                       | 4.072      | 6.688                | I    |
| 10-10133X-226 | 22                   | .900           | .791         | 1.250               | 1.375               | 1.2500-18NEF            | .562               | 3.059               | 1.438                       | 4.105      | 7.188                | III  |
| 10-10133X-227 | 22                   | .562           | .453         | 1.125               | 1.250               | 1.2500-18NEF            | .594               | 2.996               | 1.438                       | 4.074      | 5.188                | I    |
| 10-10133X-228 | 22                   | 1.101          | .984         | 1.500               | 1.375               | 1.2500-18NEF            | .562               | 3.121               | 1.438                       | 4.167      | 7.688                | III  |
| 10-10133X-229 | 22                   | .589           | .511         | 1.000               | 1.250               | 1.2500-18NEF            | .562               | 2.750               | 1.438                       | 3.796      | 5.188                | II   |
| 10-10133X-231 | 22                   | 1.055          | .958         | 1.500               | 1.375               | 1.2500-18NEF            | .562               | 3.121               | 1.438                       | 4.167      | 7.688                | III  |
| 10-10133X-241 | 24                   | 1.000          | .875         | 1.500               | 1.625               | 1.3750-18NEF            | .562               | 3.121               | 1.562                       | 4.167      | 7.188                | III  |
| 10-10133X-242 | 24                   | .562           | .453         | 1.125               | 1.406               | 1.3750-18NEF            | .562               | 2.996               | 1.562                       | 4.042      | 5.188                | II   |
| 10-10133X-243 | 24                   | .750           | .637         | 1.250               | 1.375               | 1.3750-18NEF            | .562               | 3.059               | 1.562                       | 4.105      | 6.688                | I    |
| 10-10133X-244 | 24                   | .900           | .791         | 1.250               | 1.375               | 1.3750-18NEF            | .562               | 3.059               | 1.562                       | 4.105      | 7.188                | I    |
| 10-10133X-245 | 24                   | 1.101          | .984         | 1.500               | 1.625               | 1.3750-18NEF            | .562               | 3.121               | 1.562                       | 4.167      | 7.688                | III  |
| 10-10133X-246 | 24                   | .405           | .316         | 1.000               | 1.375               | 1.3750-18NEF            | .562               | 2.750               | 1.562                       | 3.796      | 3.688                | II   |
| 10-10133X-247 | 24                   | .828           | .715         | 1.125               | 1.406               | 1.3750-18NEF            | .562               | 2.996               | 1.562                       | 4.042      | 6.688                | II   |
| 10-10133X-248 | 24                   | .805           | .692         | 1.250               | 1.375               | 1.3750-18NEF            | .562               | 3.059               | 1.562                       | 4.105      | 6.688                | I    |
| 10-10133X-249 | 24                   | 1.130          | 1.005        | 1.750               | 1.812               | 1.3750-18NEF            | .562               | 3.204               | 1.562                       | 4.250      | 7.188                | III  |
| 10-10133X-281 | 28                   | 1.055          | .958         | 1.500               | 1.625               | 1.6250-18NEF            | .562               | 3.121               | 1.812                       | 4.167      | 7.688                | I    |
| 10-10133X-282 | 28                   | .900           | .791         | 1.250               | 1.625               | 1.6250-18NEF            | .562               | 3.059               | 1.812                       | 4.105      | 7.188                | II   |
| 10-10133X-283 | 28                   | 1.000          | .875         | 1.500               | 1.625               | 1.6250-18NEF            | .562               | 3.121               | 1.812                       | 4.167      | 7.188                | I    |
| 10-10133X-284 | 28                   | .630           | .535         | 1.250               | 1.625               | 1.6250-18NEF            | .562               | 3.059               | 1.812                       | 4.105      | 5.688                | II   |
| 10-10133X-285 | 28                   | .750           | .637         | 1.250               | 1.625               | 1.6250-18NEF            | .562               | 3.059               | 1.812                       | 4.105      | 6.688                | II   |
| 10-10133X-286 | 28                   | 1.180          | 1.099        | 1.750               | 1.875               | 1.6250-18NEF            | .562               | 3.184               | 1.812                       | 4.230      | 8.188                | III  |
| 10-10133X-287 | 28                   | 1.101          | .984         | 1.500               | 1.625               | 1.6250-18NEF            | .562               | 3.121               | 1.812                       | 4.167      | 7.688                | I    |
| 10-10133X-288 | 28                   | 1.310          | 1.200        | 1.750               | 1.875               | 1.6250-18NEF            | .562               | 3.184               | 1.812                       | 4.230      | 8.688                | III  |
| 10-10133X-289 | 28                   | 1.230          | 1.105        | 1.750               | 1.875               | 1.6250-18NEF            | .562               | 3.184               | 1.812                       | 4.230      | 8.188                | III  |
| 10-10133X-290 | 28                   | .880           | .755         | 1.500               | 1.625               | 1.6250-18NEF            | .562               | 3.121               | 1.812                       | 4.167      | 6.688                | I    |
| 10-10133X-291 | 28                   | .957           | .857         | 1.250               | 1.625               | 1.6250-18NEF            | .547               | 3.059               | 1.812                       | 4.090      | 7.188                | II   |
| 10-10133X-292 | 28                   | .828           | .715         | 1.125               | 1.625               | 1.6250-18NEF            | .562               | 2.954               | 1.812                       | 4.000      | 6.688                | II   |
| 10-10133X-293 | 28                   | 1.375          | 1.250        | 2.000               | 1.875               | 1.6250-18NEF            | .562               | 3.184               | 1.812                       | 4.230      | 9.688                | III  |
| 10-10133X-294 | 28                   | 1.445          | 1.320        | 2.000               | 1.875               | 1.6250-18NEF            | .562               | 3.184               | 1.812                       | 4.230      | 9.688                | III  |
| 10-10133X-295 | 28                   | .805           | .692         | 1.250               | 1.625               | 1.6250-18NEF            | .562               | 3.059               | 1.812                       | 4.105      | 6.688                | II   |
| 10-10133X-321 | 32                   | .880           | .755         | 1.500               | 1.875               | 1.8750-16N              | .562               | 3.121               | 2.062                       | 4.167      | 6.688                | II   |
| 10-10133X-322 | 32                   | 1.101          | .984         | 1.500               | 1.875               | 1.8750-16N              | .562               | 3.121               | 2.062                       | 4.167      | 7.688                | II   |
| 10-10133X-323 | 32                   | .750           | .637         | 1.250               | 1.875               | 1.8750-16N              | .562               | 3.059               | 2.062                       | 4.105      | 6.688                | II   |
| 10-10133X-324 | 32                   | 1.445          | 1.320        | 2.000               | 2.062               | 1.8750-16N              | .672               | 3.246               | 2.062                       | 4.292      | 9.688                | III  |
| 10-10133X-325 | 32                   | 1.180          | 1.099        | 1.750               | 1.875               | 1.8750-16N              | .562               | 3.184               | 2.062                       | 4.230      | 8.188                | I    |
| 10-10133X-326 | 32                   | .375           | .312         | .875                | 1.875               | 1.8750-16N              | .500               | 2.766               | 2.062                       | 3.750      | 3.844                | II   |
| 10-10133X-327 | 32                   | .957           | .857         | 1.250               | 1.875               | 1.8750-16N              | .562               | 3.059               | 2.062                       | 4.105      | 7.188                | II   |
| 10-10133X-328 | 32                   | 1.230          | 1.105        | 1.750               | 1.875               | 1.8750-16N              | .562               | 3.184               | 2.062                       | 4.230      | 8.188                | I    |
| 10-10133X-329 | 32                   | 1.530          | 1.406        | 2.000               | 2.062               | 1.8750-16N              | .562               | 3.246               | 2.062                       | 4.292      | 10.688               | III  |
| 10-10133X-330 | 32                   | 1.000          | .875         | 1.500               | 1.875               | 1.8750-16N              | .562               | 3.121               | 2.062                       | 4.167      | 7.188                | II   |
| 10-10133X-331 | 32                   | 1.375          | 1.250        | 2.000               | 2.062               | 1.8750-16N              | .562               | 3.246               | 2.062                       | 4.292      | 9.688                | III  |
| 10-10133X-332 | 32                   | 1.310          | 1.200        | 1.750               | 1.875               | 1.8750-16N              | .562               | 3.184               | 2.062                       | 4.230      | 8.688                | I    |
| 10-10133X-333 | 32                   | .580 x<br>.825 | (Oval)       | 1.500               | 1.875               | 1.8750-16N              | .562               | 3.121               | 2.062                       | 4.167      | 6.688                | II   |
| 10-10133X-334 | 32                   | .500 x<br>.705 | (Oval)       | 1.500               | 1.875               | 1.8750-16N              | .562               | 3.121               | 2.062                       | 4.167      | 6.688                | II   |

\*For complete order number see pages 4 and 5.

# QWL – accessories

## 10-10133X

### cable sealing adapter

All dimensions are for reference only.

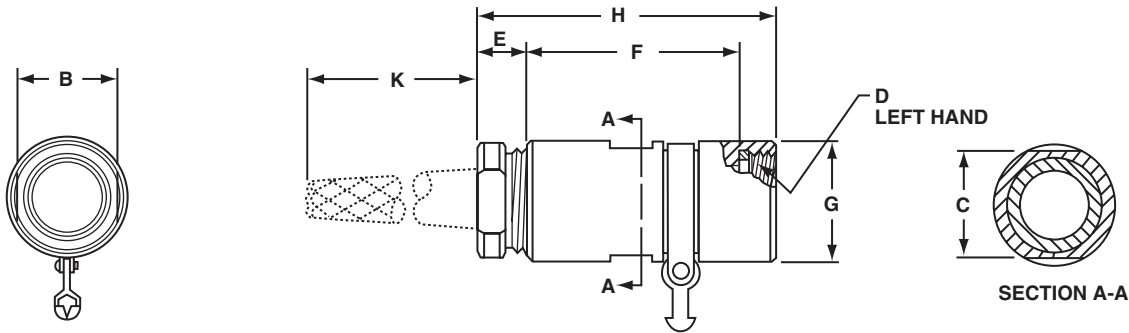
| Part Number*  | Used With Shell Size | Cable Range  |              | B<br>+.000<br>–.010 | C<br>+.000<br>–.010 | D Thread<br>Class 2B-LH | E<br>Free<br>±.035 | F<br>+.010<br>–.020 | G<br>Dia.<br>+.010<br>–.020 | H<br>±.045 | K<br>Free<br>Approx. | Type |
|---------------|----------------------|--------------|--------------|---------------------|---------------------|-------------------------|--------------------|---------------------|-----------------------------|------------|----------------------|------|
|               |                      | Max.<br>Dia. | Min.<br>Dia. |                     |                     |                         |                    |                     |                             |            |                      |      |
| 10-10133X-335 | 32                   | .530         | .441         | 1.000               | 1.625               | 1.8750-16N              | .562               | 2.875               | 2.062                       | 3.921      | 4.688                | II   |
| 10-10133X-336 | 32                   | .680         | .567         | 1.250               | 1.875               | 1.8750-16N              | .562               | 3.059               | 2.062                       | 4.105      | 6.688                | II   |
| 10-10133X-337 | 32                   | .463         | .406         | .875                | 1.875               | 1.8750-16N              | .500               | 2.766               | 2.062                       | 3.750      | 4.344                | II   |
| 10-10133X-361 | 36                   | 1.055        | .958         | 1.500               | 2.062               | 2.0625-16N              | .562               | 3.121               | 2.312                       | 4.167      | 7.688                | II   |
| 10-10133X-362 | 36                   | 1.445        | 1.320        | 2.000               | 2.062               | 2.0625-16N              | .562               | 3.246               | 2.312                       | 4.292      | 9.688                | I    |
| 10-10133X-363 | 36                   | 1.530        | 1.406        | 2.000               | 2.062               | 2.0625-16N              | .562               | 3.246               | 2.312                       | 4.292      | 10.688               | I    |
| 10-10133X-364 | 36                   | 1.230        | 1.105        | 1.750               | 2.062               | 2.0625-16N              | .562               | 3.184               | 2.312                       | 4.230      | 8.188                | II   |
| 10-10133X-365 | 36                   | .750         | .637         | 1.250               | 2.062               | 2.0625-16N              | .562               | 3.059               | 2.312                       | 4.105      | 6.688                | II   |
| 10-10133X-366 | 36                   | .880         | .755         | 1.500               | 2.062               | 2.0625-16N              | .562               | 3.121               | 2.312                       | 4.167      | 6.688                | II   |
| 10-10133X-367 | 36                   | 1.656        | 1.531        | 2.250               | 2.312               | 2.0625-16N              | .562               | 3.308               | 2.312                       | 4.354      | 12.688               | III  |
| 10-10133X-368 | 36                   | 1.101        | .984         | 1.500               | 2.062               | 2.0625-16N              | .562               | 3.121               | 2.312                       | 4.167      | 7.688                | II   |
| 10-10133X-369 | 36                   | .957         | .857         | 1.250               | 2.062               | 2.0625-16N              | .672               | 3.059               | 2.312                       | 4.090      | 7.188                | II   |
| 10-10133X-370 | 36                   | 1.900        | 1.775        | 2.438               | 2.312               | 2.0625-16N              | .500               | 3.500               | 2.312                       | 4.656      | 13.688               | III  |
| 10-10133X-371 | 36                   | .375         | .312         | .875                | 2.062               | 2.0625-16N              | .500               | 2.813               | 2.312                       | 3.797      | 3.844                | II   |
| 10-10133X-372 | 36                   | 1.825        | 1.700        | 2.438               | 2.312               | 2.0625-16N              | .672               | 3.500               | 2.312                       | 4.656      | 13.688               | III  |
| 10-10133X-373 | 36                   | 1.375        | 1.250        | 2.000               | 2.062               | 2.0625-16N              | .562               | 3.246               | 2.312                       | 4.292      | 9.688                | I    |
| 10-10133X-374 | 36                   | 1.562        | 1.437        | 2.250               | 2.312               | 2.0625-16N              | .562               | 3.308               | 2.312                       | 4.354      | 11.188               | III  |
| 10-10133X-375 | 36                   | 1.730        | 1.605        | 2.438               | 2.312               | 2.0625-16N              | .672               | 3.500               | 2.312                       | 4.656      | 13.688               | III  |
| 10-10133X-376 | 36                   | .530         | .441         | 1.000               | 1.875               | 2.0625-16N              | .562               | 2.875               | 2.312                       | 3.921      | 4.688                | II   |
| 10-10133X-377 | 36                   | 1.130        | 1.005        | 1.750               | 2.062               | 2.0625-16N              | .562               | 3.184               | 2.312                       | 4.230      | 7.188                | II   |
| 10-10133X-378 | 36                   | 1.180        | 1.055        | 1.750               | 2.062               | 2.0625-16N              | .562               | 3.184               | 2.312                       | 4.230      | 8.188                | II   |
| 10-10133X-379 | 36                   | 1.595        | 1.470        | 2.250               | 2.312               | 2.0625-16N              | .562               | 3.308               | 2.312                       | 4.354      | 11.688               | III  |
| 10-10133X-401 | 40                   | 1.310        | 1.200        | 1.750               | 2.312               | 2.3125-16N              | .562               | 3.184               | 2.562                       | 4.230      | 8.688                | II   |
| 10-10133X-402 | 40                   | 1.656        | 1.531        | 2.250               | 2.312               | 2.3125-16N              | .562               | 3.308               | 2.562                       | 4.354      | 12.688               | I    |
| 10-10133X-403 | 40                   | 1.101        | .984         | 1.500               | 2.312               | 2.3125-16N              | .438               | 3.121               | 2.562                       | 4.167      | 7.688                | II   |
| 10-10133X-404 | 40                   | 1.562        | 1.437        | 2.250               | 2.312               | 2.3125-16N              | .562               | 3.308               | 2.562                       | 4.354      | 11.188               | I    |
| 10-10133X-405 | 40                   | 1.375        | 1.250        | 2.000               | 2.312               | 2.3125-16N              | .562               | 3.246               | 2.562                       | 4.292      | 9.688                | II   |
| 10-10133X-406 | 40                   | 1.180        | 1.099        | 1.750               | 2.312               | 2.3125-16N              | .562               | 3.184               | 2.562                       | 4.230      | 8.188                | II   |
| 10-10133X-407 | 40                   | 1.900        | 1.775        | 2.438               | 2.500               | 2.3125-16N              | .672               | 3.469               | 2.562                       | 4.625      | 13.688               | III  |
| 10-10133X-408 | 40                   | 1.730        | 1.605        | 2.438               | 2.500               | 2.3125-16N              | .672               | 3.469               | 2.562                       | 4.625      | 13.688               | III  |
| 10-10133X-409 | 40                   | 1.825        | 1.700        | 2.438               | 2.500               | 2.3125-16N              | .672               | 3.469               | 2.562                       | 4.625      | 13.688               | III  |
| 10-10133X-410 | 40                   | 1.984        | 1.859        | 2.438               | 2.500               | 2.3125-16N              | .672               | 3.469               | 2.562                       | 4.625      | 13.688               | III  |
| 10-10133X-411 | 40                   | 1.445        | 1.320        | 2.000               | 2.312               | 2.3125-16N              | .562               | 3.246               | 2.562                       | 4.292      | 9.688                | II   |
| 10-10133X-412 | 40                   | 2.062        | 1.937        | 2.750               | 2.500               | 2.3125-16N              | .672               | 3.500               | 2.562                       | 4.656      | 14.188               | III  |
| 10-10133X-413 | 40                   | 2.100        | 1.955        | 2.750               | 2.500               | 2.3125-16N              | .672               | 3.500               | 2.562                       | 4.656      | 14.188               | III  |
| 10-10133X-414 | 40                   | 2.145        | 2.000        | 2.750               | 2.500               | 2.3125-16N              | .672               | 3.500               | 2.562                       | 4.656      | 14.188               | III  |
| 10-10133X-415 | 40                   | .957         | .857         | 1.250               | 2.125               | 2.3125-16N              | .562               | 3.063               | 2.562                       | 4.109      | 7.188                | II   |
| 10-10133X-416 | 40                   | 1.230        | 1.103        | 1.750               | 2.312               | 2.3125-16N              | .562               | 3.184               | 2.562                       | 4.230      | 8.188                | II   |
| 10-10133X-417 | 40                   | 1.055        | .958         | 1.500               | 2.312               | 2.3125-16N              | .562               | 3.121               | 2.562                       | 4.167      | 7.688                | II   |
| 10-10133X-418 | 40                   | .630         | .567         | 1.250               | 2.250               | 2.3125-16UN             | .562               | 3.063               | 2.562                       | 4.109      | 6.688                | II   |
| 10-10133X-441 | 44                   | 2.170        | 2.025        | 2.750               | 2.625               | 2.6250-16UN             | .672               | 3.609               | 2.875                       | 4.953      | 17.188               | III  |
| 10-10133X-442 | 44                   | 2.145        | 2.000        | 2.750               | 2.625               | 2.6250-16UN             | .672               | 3.547               | 2.875                       | 4.891      | 14.188               | III  |
| 10-10133X-443 | 44                   | 2.250        | 2.105        | 2.750               | 2.625               | 2.6250-16UN             | .672               | 3.609               | 2.875                       | 4.953      | 17.188               | III  |
| 10-10133X-445 | 44                   | 1.130        | 1.005        | 1.750               | 2.625               | 2.6250-16UN             | .562               | 3.969               | 2.875                       | 5.203      | 7.188                | II   |
| 10-10133X-446 | 44                   | 1.109        | .984         | 1.500               | 2.500               | 2.6250-16UN             | .562               | 3.905               | 2.875                       | 5.140      | 7.688                | II   |
| 10-10133X-449 | 44                   | 1.445        | 1.320        | 2.000               | 2.562               | 2.6250-16UN             | .562               | 4.031               | 2.875                       | 5.265      | 9.688                | II   |
| 10-10133X-481 | 48                   | 1.900        | 1.775        | 2.438               | 2.812               | 2.8750-16N              | .562               | 3.203               | 3.125                       | 4.547      | 13.688               | II   |
| 10-10133X-482 | 48                   | 2.000        | 1.867        | 2.750               | 2.969               | 2.8750-16N              | .672               | 4.281               | 3.125                       | 5.625      | 14.188               | II   |
| 10-10133X-483 | 48                   | 2.250        | 2.105        | 2.750               | 2.750               | 2.8750-16N              | .672               | 4.406               | 3.125                       | 5.750      | 17.188               | I    |
| 10-10133X-484 | 48                   | 2.170        | 2.025        | 2.750               | 2.750               | 2.8750-16N              | .672               | 4.406               | 3.125                       | 5.750      | 17.188               | I    |

\*For complete order number see pages 4 and 5.

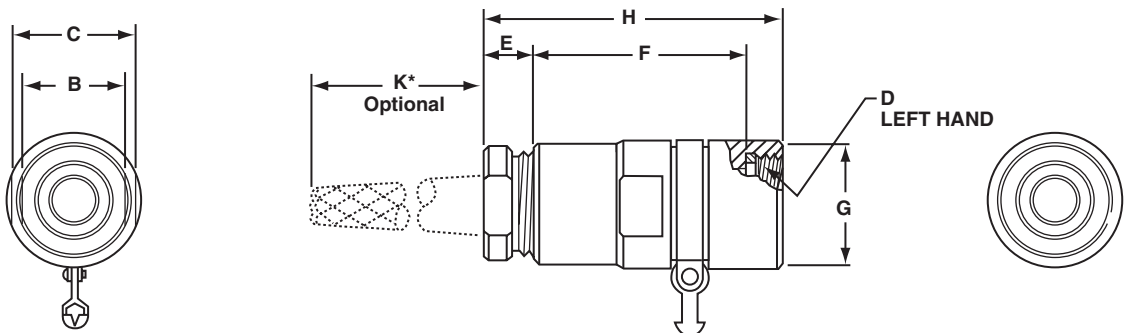
**QWL – accessories**

**10-113637**

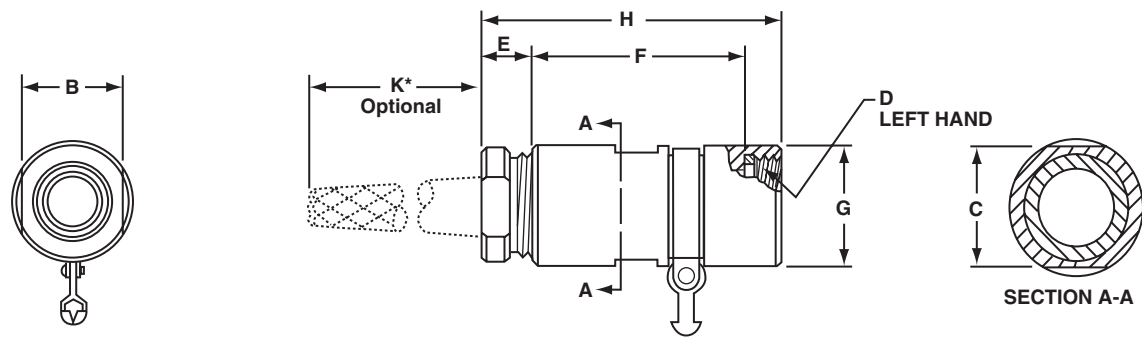
cable sealing adapter (with woven strain relief)



**Type I Straight**



**Type II Step Down**



**Type III Step Up**

# QWL – accessories

## 10-113637

### cable sealing adapter (with woven strain relief)

All dimensions are for reference only.

| Part Number*  | Used With Shell Size | Cable Range  |              | B<br>+.000<br>–.010 | C<br>+.010<br>–.000 | D Thread<br>Class 2B-LH | E<br>Free<br>±.035 | F<br>+.010<br>–.020 | G<br>Dia.<br>+.010<br>–.020 | H<br>±.045 | K<br>Free<br>Approx. | Type |
|---------------|----------------------|--------------|--------------|---------------------|---------------------|-------------------------|--------------------|---------------------|-----------------------------|------------|----------------------|------|
|               |                      | Max.<br>Dia. | Min.<br>Dia. |                     |                     |                         |                    |                     |                             |            |                      |      |
| 10-113637-141 | 14S                  | .337         | .281         | .750                | .750                | .7500-20UNEF            | .500               | 5.282               | .938                        | 6.094      | 3.344                | I    |
| 10-113637-142 | 14S                  | .405         | .316         | 1.000               | 1.000               | .7500-20UNEF            | .562               | 5.500               | .938                        | 6.374      | 3.688                | III  |
| 10-113637-143 | 14S                  | .530         | .441         | 1.000               | 1.000               | .7500-20UNEF            | .562               | 5.500               | .938                        | 6.374      | 4.688                | III  |
| 10-113637-144 | 14S                  | .463         | .406         | .875                | .938                | .7500-20UNEF            | .500               | 5.344               | .938                        | 6.156      | 4.344                | III  |
| 10-113637-171 | 16                   | .699         | .605         | 1.062               | 1.125               | .8750-20UNEF            | .562               | 5.563               | 1.062                       | 6.609      | 6.188                | III  |
| 10-113637-172 | 16                   | .530         | .441         | 1.000               | 1.000               | .8750-20UNEF            | .562               | 5.500               | 1.062                       | 6.546      | 4.688                | III  |
| 10-113637-181 | 18                   | .828         | .715         | 1.125               | 1.250               | 1.0000-20UNEF           | .562               | 6.657               | 1.188                       | 7.703      | 6.688                | III  |
| 10-113637-201 | 20                   | .750         | .637         | 1.250               | 1.312               | 1.1250-18NEF            | .562               | 6.000               | 1.312                       | 7.046      | 6.688                | III  |
| 10-113637-202 | 20                   | .984         | .875         | 1.500               | 1.625               | 1.1250-18NEF            | .562               | 6.750               | 1.312                       | 7.796      | 7.188                | III  |
| 10-113637-203 | 20                   | .900         | .791         | 1.250               | 1.312               | 1.1250-18UNEF           | .562               | 6.000               | 1.312                       | 7.046      | 7.188                | III  |
| 10-113637-221 | 22                   | .750         | .637         | 1.250               | 1.312               | 1.2500-18NEF            | .562               | 6.000               | 1.438                       | 7.046      | 6.688                | III  |
| 10-113637-222 | 22                   | .699         | .605         | 1.062               | 1.312               | 1.2500-18NEF            | .562               | 5.063               | 1.438                       | 6.109      | 6.188                | II   |
| 10-113637-223 | 22                   | 1.055        | .958         | 1.500               | 1.625               | 1.2500-18NEF            | .562               | 6.750               | 1.438                       | 7.796      | 7.688                | III  |
| 10-113637-224 | 22                   | 1.828        | .715         | 1.125               | 1.250               | 1.2500-18NEF            | .562               | 5.625               | 1.438                       | 6.671      | 6.688                | I    |
| 10-113637-225 | 22                   | .589         | .511         | 1.000               | 1.250               | 1.2500-18NEF            | .562               | 5.500               | 1.438                       | 6.546      | 5.188                | II   |
| 10-113637-241 | 24                   | .957         | .857         | 1.250               | 1.375               | 1.3750-18NEF            | .562               | 6.000               | 1.562                       | 7.046      | 7.188                | I    |
| 10-113637-242 | 24                   | .750         | .637         | 1.250               | 1.375               | 1.3750-18NEF            | .562               | 6.000               | 1.562                       | 7.046      | 6.688                | I    |
| 10-113637-243 | 24                   | 1.101        | .984         | 1.500               | 1.625               | 1.3750-18NEF            | .562               | 6.750               | 1.562                       | 7.796      | 7.688                | III  |
| 10-113637-244 | 24                   | 1.000        | .875         | 1.500               | 1.625               | 1.3750-18NEF            | .562               | 6.750               | 1.562                       | 7.796      | 7.188                | III  |
| 10-113637-245 | 24                   | 1.180        | 1.055        | 1.750               | 1.812               | 1.3750-18NEF            | .562               | 6.813               | 1.562                       | 7.859      | 8.188                | III  |
| 10-113637-246 | 24                   | .805         | .692         | 1.250               | 1.375               | 1.3750-18NEF            | .562               | 6.000               | 1.562                       | 7.046      | 6.688                | I    |
| 10-113637-281 | 28                   | 1.000        | .875         | 1.500               | 1.562               | 1.6250-18NEF            | .562               | 6.750               | 1.812                       | 7.796      | 7.188                | I    |
| 10-113637-282 | 28                   | 1.900        | 1.775        | 2.438               | 2.438               | 1.6250-18NEF            | .672               | 8.125               | 1.812                       | 9.281      | 13.688               | III  |
| 10-113637-283 | 28                   | 1.375        | 1.250        | 2.000               | 2.000               | 1.6250-18NEF            | .562               | 6.875               | 1.812                       | 7.921      | 9.688                | III  |
| 10-113637-284 | 28                   | .750         | .637         | 1.250               | 1.562               | 1.6250-18NEF            | .562               | 5.750               | 1.812                       | 6.796      | 6.688                | II   |
| 10-113637-285 | 28                   | 1.101        | .984         | 1.500               | 1.562               | 1.6250-18NEF            | .562               | 6.750               | 1.812                       | 7.796      | 7.688                | I    |
| 10-113637-286 | 28                   | 1.130        | 1.005        | 1.750               | 1.875               | 1.6250-18NEF            | .562               | 6.813               | 1.812                       | 7.859      | 7.188                | III  |
| 10-113637-287 | 28                   | .900         | .791         | 1.250               | 1.562               | 1.6250-18NEF            | .562               | 5.750               | 1.812                       | 6.796      | 7.188                | II   |
| 10-113637-288 | 28                   | 1.427        | 1.320        | 2.000               | 2.000               | 1.6250-18NEF            | .562               | 6.875               | 1.812                       | 7.921      | 9.688                | III  |
| 10-113637-289 | 28                   | 1.180        | 1.099        | 1.750               | 1.875               | 1.6250-18NEF            | .562               | 6.812               | 1.812                       | 7.858      | 8.188                | III  |
| 10-113637-290 | 28                   | 1.055        | .958         | 1.500               | 1.562               | 1.6250-18NEF            | .562               | 6.750               | 1.812                       | 7.796      | 7.688                | I    |
| 10-113637-291 | 28                   | .957         | .857         | 1.250               | 1.562               | 1.6250-18NEF            | .562               | 5.750               | 1.812                       | 6.796      | 7.188                | II   |
| 10-113637-292 | 28                   | 1.310        | 1.200        | 1.750               | 1.875               | 1.6250-18NEF            | .562               | 6.813               | 1.812                       | 7.859      | 8.688                | III  |
| 10-113637-293 | 28                   | .530         | .441         | 1.000               | 1.625               | 1.6250-18NEF            | .562               | 6.500               | 1.812                       | 7.546      | 4.688                | II   |
| 10-113637-294 | 28                   | 1.230        | 1.105        | 1.750               | 1.875               | 1.6250-18NEF            | .562               | 6.813               | 1.812                       | 7.859      | 8.188                | III  |
| 10-113637-295 | 28                   | .630         | .535         | 1.250               | 1.562               | 1.6250-18NEF            | .562               | 5.750               | 1.812                       | 6.796      | 5.688                | II   |

\*For complete order number see pages 4 and 5.

# QWL – accessories

## 10-113637

### cable sealing adapter (with woven strain relief)

All dimensions are for reference only.

| Part Number*  | Used With Shell Size | Cable Range           |                       | B<br>+.000<br>-.010 | C<br>+.010<br>-.000 | D Thread<br>Class 2B-LH | E<br>Free<br>±.035 | F<br>+.010<br>-.020 | G<br>Dia.<br>+.010<br>-.020 | H<br>±.045 | K<br>Free<br>Approx. | Type |
|---------------|----------------------|-----------------------|-----------------------|---------------------|---------------------|-------------------------|--------------------|---------------------|-----------------------------|------------|----------------------|------|
|               |                      | Max.<br>Dia.          | Min.<br>Dia.          |                     |                     |                         |                    |                     |                             |            |                      |      |
| 10-113637-321 | 32                   | .828                  | .715                  | 1.125               | 1.844               | 1.8750-16N              | .594               | 7.625               | 2.062                       | 8.703      | 6.688                | II   |
| 10-113637-322 | 32                   | 1.310                 | 1.200                 | 1.750               | 1.812               | 1.8750-16UN             | .562               | 6.812               | 2.062                       | 7.858      | 8.688                | I    |
| 10-113637-323 | 32                   | 1.130                 | 1.005                 | 1.750               | 1.812               | 1.8750-16UN             | .562               | 6.812               | 2.062                       | 7.858      | 7.188                | I    |
| 10-113637-324 | 32                   | 1.375                 | 1.250                 | 2.000               | 2.000               | 1.8750-16UN             | .562               | 7.875               | 2.062                       | 8.921      | 9.688                | III  |
| 10-113637-325 | 32                   | 1.445                 | 1.320                 | 2.000               | 2.000               | 1.8750-16UN             | .562               | 7.875               | 2.062                       | 8.921      | 9.688                | III  |
| 10-113637-326 | 32                   | 1.180                 | 1.099                 | 1.750               | 1.812               | 1.8750-16UN             | .562               | 6.812               | 2.062                       | 7.858      | 8.188                | I    |
| 10-113637-327 | 32                   | 1.656                 | 1.531                 | 2.250               | 2.250               | 1.8750-16UN             | .562               | 7.141               | 2.062                       | 8.187      | 12.688               | III  |
| 10-113637-328 | 32                   | .970                  | .857                  | 1.250               | 1.844               | 1.8750-16UN             | .562               | 6.688               | 2.062                       | 7.734      | 7.188                | II   |
| 10-113637-361 | 36                   | 1.375                 | 1.250                 | 2.000               | 2.000               | 2.0625-16N              | .562               | 6.875               | 2.312                       | 7.921      | 9.688                | I    |
| 10-113637-362 | 36                   | 1.000                 | .875                  | 1.500               | 2.000               | 2.0625-16N              | .562               | 6.750               | 2.312                       | 7.796      | 7.188                | II   |
| 10-113637-363 | 36                   | 1.920 x<br>1.140 oval | 1.920 x<br>1.140 oval | 2.438               | 2.438               | 2.0625-16N              | .672               | 8.125               | 2.312                       | 9.281      | 13.688               | III  |
| 10-113637-364 | 36                   | 1.230                 | 1.105                 | 1.750               | 2.000               | 2.0625-16N              | .562               | 6.813               | 2.312                       | 7.859      | 8.188                | II   |
| 10-113637-365 | 36                   | 1.562                 | 1.437                 | 2.250               | 2.250               | 2.0625-16N              | .562               | 6.938               | 2.312                       | 7.984      | 11.188               | III  |
| 10-113637-366 | 36                   | 1.656                 | 1.531                 | 2.250               | 2.250               | 2.0625-16N              | .562               | 6.938               | 2.312                       | 7.984      | 11.188               | III  |
| 10-113637-367 | 36                   | 1.445                 | 1.320                 | 2.000               | 2.000               | 2.0625-16N              | .562               | 6.875               | 2.312                       | 7.921      | 9.688                | I    |
| 10-113637-368 | 36                   | 1.825                 | 1.700                 | 2.438               | 2.500               | 2.0625-16N              | .672               | 9.125               | 2.312                       | 9.281      | 13.688               | III  |
| 10-113637-369 | 36                   | 1.895                 | 1.775                 | 2.438               | 2.438               | 2.0625-16N              | .672               | 8.125               | 2.312                       | 9.281      | 13.688               | III  |
| 10-113637-370 | 36                   | 1.730                 | 1.605                 | 2.438               | 2.438               | 2.0625-16N              | .672               | 8.125               | 2.312                       | 9.281      | 13.688               | III  |
| 10-113637-371 | 36                   | 1.310                 | 1.200                 | 1.750               | 2.000               | 2.0625-16N              | .562               | 6.813               | 2.312                       | 7.859      | 8.688                | II   |
| 10-113637-401 | 40                   | 1.906                 | 1.761                 | 2.750               | 2.438               | 2.3125-16N              | .672               | 8.125               | 2.562                       | 9.281      | 14.188               | III  |
| 10-113637-402 | 40                   | 1.940                 | 1.815                 | 2.438               | 2.438               | 2.3125-16N              | .672               | 8.125               | 2.562                       | 9.281      | 13.688               | III  |
| 10-113637-403 | 40                   | 1.900                 | 1.775                 | 2.438               | 2.438               | 2.3125-16N              | .672               | 8.125               | 2.562                       | 9.281      | 13.688               | III  |
| 10-113637-404 | 40                   | 1.825                 | 1.700                 | 2.438               | 2.438               | 2.3125-16N              | .672               | 8.125               | 2.562                       | 9.281      | 13.688               | III  |
| 10-113637-405 | 40                   | 1.310                 | 1.200                 | 1.750               | 2.250               | 2.3125-16N              | .562               | 7.813               | 2.562                       | 8.859      | 8.688                | II   |
| 10-113637-406 | 40                   | 1.180                 | 1.099                 | 1.750               | 2.250               | 2.3125-16N              | .562               | 7.813               | 2.562                       | 8.859      | 8.188                | II   |
| 10-113637-407 | 40                   | 1.230                 | 1.105                 | 1.750               | 2.250               | 2.3125-16N              | .562               | 7.813               | 2.562                       | 8.859      | 8.188                | II   |
| 10-113637-408 | 40                   | 1.656                 | 1.531                 | 2.250               | 2.250               | 2.3125-16N              | .562               | 7.938               | 2.562                       | 8.984      | 11.188               | I    |
| 10-113637-410 | 40                   | 2.145                 | 2.000                 | 2.750               | 2.438               | 2.3125-16N              | .672               | 8.125               | 2.562                       | 9.281      | 14.188               | III  |
| 10-113637-411 | 40                   | 1.984                 | 1.859                 | 2.438               | 2.438               | 2.3125-16N              | .672               | 8.125               | 2.562                       | 9.281      | 13.688               | III  |
| 10-113637-412 | 40                   | 1.940                 | 1.815                 | 2.438               | 2.438               | 2.3125-16N              | .672               | 11.125              | 2.562                       | 12.281     | 13.688               | III  |
| 10-113637-413 | 40                   | 1.984                 | 1.859                 | 2.438               | 2.438               | 2.3125-16N              | .672               | 11.125              | 2.562                       | 12.281     | 13.688               | III  |
| 10-113637-414 | 40                   | 2.100                 | 1.955                 | 2.750               | 2.625               | 2.3125-16N              | .672               | 12.000              | 2.562                       | 13.156     | 14.188               | III  |
| 10-113637-415 | 40                   | 1.562                 | 1.437                 | 2.250               | 2.250               | 2.3125-16N              | .562               | 7.938               | 2.562                       | 8.984      | 11.188               | I    |
| 10-113637-416 | 40                   | 1.445                 | 1.320                 | 2.000               | 2.312               | 2.3125-16N              | .562               | 6.875               | 2.562                       | 7.921      | 9.688                | II   |
| 10-113637-417 | 40                   | 1.375                 | 1.250                 | 2.000               | 2.312               | 2.3125-16N              | .562               | 6.875               | 2.562                       | 7.921      | 9.688                | II   |

\*For complete order number see pages 4 and 5.

# QWL – accessories

## 10-113637

### cable sealing adapter (with woven strain relief)

All dimensions are for reference only.

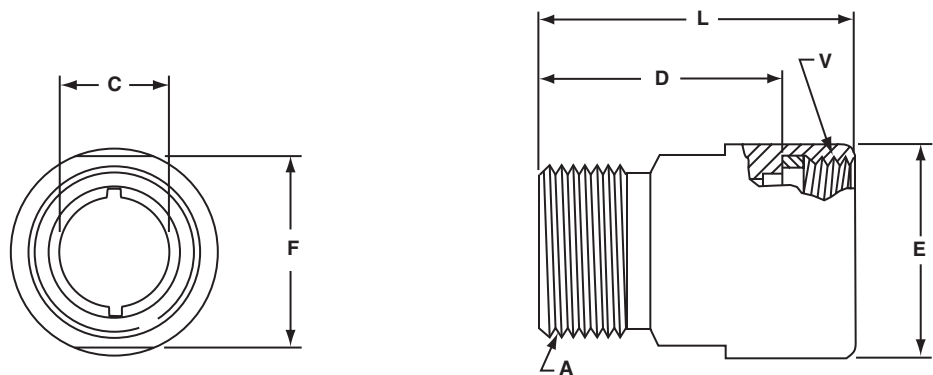
| Part Number*  | Used With Shell Size | Cable Range |         | B<br>+.000<br>-.010 | C<br>+.010<br>-.000 | D Thread<br>Class 2B-LH | E<br>Free<br>±.035 | F<br>+.010<br>-.020 | G<br>Dia<br>+.010<br>-.020 | H<br>±.045 | K<br>Free†<br>Approx. | Type |
|---------------|----------------------|-------------|---------|---------------------|---------------------|-------------------------|--------------------|---------------------|----------------------------|------------|-----------------------|------|
|               |                      | Max Dia     | Min Dia |                     |                     |                         |                    |                     |                            |            |                       |      |
| 10-113637-441 | 44                   | 2.100       | 1.955   | 2.750               | 2.750               | 2.6250-16UN             | .672               | 8.125               | 2.875                      | 9.469      | 14.188                | III  |
| 10-113637-442 | 44                   | 2.250       | 2.105   | 2.750               | 2.875               | 2.6250-16UN             | .672               | 8.188               | 2.875                      | 9.531      | 17.188                | III  |
| 10-113637-443 | 44                   | 2.000       | 1.867   | 2.750               | 2.750               | 2.6250-16UN             | .672               | 8.125               | 2.875                      | 9.469      | 14.188                | III  |
| 10-113637-444 | 44                   | 1.500       | 1.375   | 2.250               | 2.500               | 2.6250-16UN             | .562               | 7.938               | 2.875                      | 9.171      | 11.188                | II   |
| 10-113637-445 | 44                   | 1.730       | 1.605   | 2.438               | 2.750               | 2.6250-16UN             | .672               | 8.125               | 2.875                      | 9.469      | 13.688                | II   |
| 10-113637-446 | 44                   | .750        | .637    | 1.250               | 2.625               | 2.6250-16UN             | .562               | 6.688               | 2.875                      | 7.921      | 6.688                 | II   |
| 10-113637-447 | 44                   | 1.825       | 1.700   | 2.438               | 2.750               | 2.6250-16UN             | .672               | 8.125               | 2.875                      | 9.469      | 13.688                | II   |
| 10-113637-448 | 44                   | 2.145       | 2.000   | 2.750               | 2.750               | 2.6250-16UN             | .672               | 8.125               | 2.875                      | 9.469      | 14.188                | III  |
| 10-113637-449 | 44                   | 2.170       | 2.025   | 2.750               | 2.875               | 2.6250-16UN             | .672               | 8.188               | 2.875                      | 9.532      | 17.188                | III  |
| 10-113637-450 | 44                   | 1.375       | 1.250   | 2.000               | 2.625               | 2.6250-16UN             | .562               | 7.875               | 2.875                      | 9.109      | 9.688                 | II   |
| 10-113637-481 | 48                   | 2.250       | 2.105   | 2.750               | 2.750               | 2.8750-16N              | .672               | 8.188               | 3.125                      | 9.532      | 14.688                | I    |
| 10-113637-482 | 48                   | 2.500       | 2.355   | 2.875               | 2.875               | 2.8750-16N              | .672               | 8.188               | 3.125                      | 9.532      | 18.188                | III  |
| 10-113637-483 | 48                   | 2.375       | 2.230   | 2.875               | 2.875               | 2.8750-16N              | .672               | 8.188               | 3.125                      | 9.532      | 18.188                | III  |
| 10-113637-484 | 48                   | 2.145       | 2.000   | 2.750               | 2.875               | 2.8750-16N              | .672               | 8.125               | 3.125                      | 9.469      | 14.188                | II   |
| 10-113637-485 | 48                   | 2.000       | 1.867   | 2.750               | 2.875               | 2.8750-16N              | .672               | 8.125               | 3.125                      | 9.469      | 14.188                | II   |
| 10-113637-486 | 48                   | 1.656       | 1.531   | 2.250               | 2.750               | 2.8750-16UN             | .562               | 7.937               | 3.125                      | 9.171      | 12.688                | II   |

\*For complete order number see pages 4 and 5.

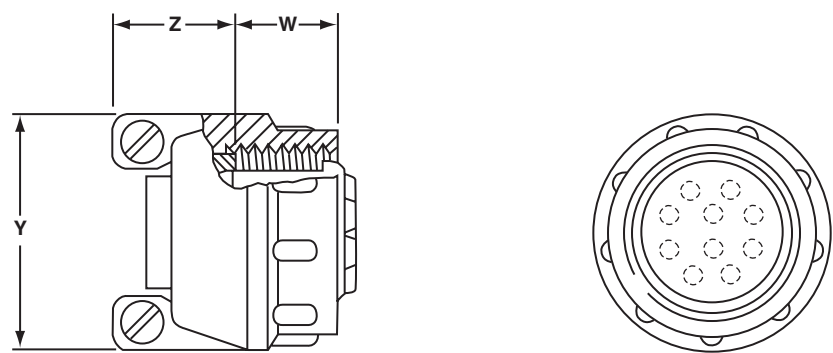
# QWL – accessories

## adapter, cable clamp

10-113196-XX  
adapter



10-749XX-( )  
cable clamp



This cable clamp is designed to be used with specific QWL insert arrangements. The locations, quantity, and sizes of holes in the clamp grommet must correspond to those in the connector for an effective moisture seal without wire crossing. Contact Amphenol, Sidney, NY, for grommet availability. Example: 10-107618-4P must use 10-74918-4 clamp.

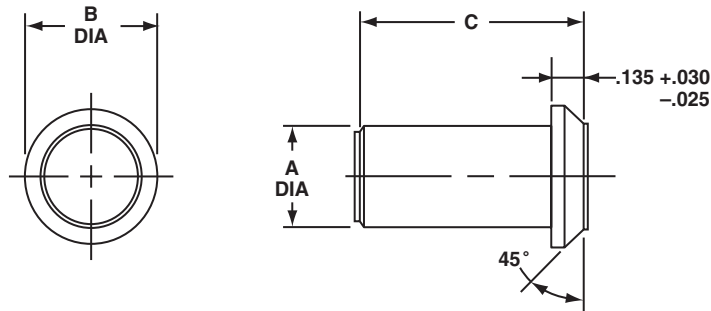
# QWL – accessories

## adapter, cable clamp, sealing plugs

All dimensions for reference only.

| Shell Size | Adapter Part Number* | Clamp Part Number* | A Thread Class 2A | C<br>+.010<br>-.000 | D Dia.<br>+.010<br>-.020 | E Dia.<br>+.010<br>-.020 | F<br>±.010 | L<br>±.010 | V Thread Class 2B-LH | W Min. Thd. Engage | Y Max. | Z Max. |
|------------|----------------------|--------------------|-------------------|---------------------|--------------------------|--------------------------|------------|------------|----------------------|--------------------|--------|--------|
| 10S        | 10-113196-10         | 10-74910-( )       | .500-28UNEF       | .203                | .922                     | .625                     | .562       | 1.234      | .500-28UNEF          | .519               | .807   | .529   |
| 12S        | 10-113196-12         | 10-74912-( )       | .625-24NEF        | .328                | .969                     | .750                     | .688       | 1.281      | .625-24NEF           | .519               | .901   | .524   |
| 12         | 10-113196-13         | 10-74913-( )       | .625-24NEF        | .328                | .954                     | .750                     | .688       | 1.438      | .625-24NEF           | .519               | .901   | .524   |
| 14S        | 10-113196-14         | 10-74914-( )       | .750-20UNEF       | .453                | 1.094                    | .875                     | .812       | 1.406      | .750-20UNEF          | .519               | 1.026  | .524   |
| 14         | 10-113196-15         | 10-74915-( )       | .750-20UNEF       | .453                | .954                     | .875                     | .812       | 1.438      | .750-20UNEF          | .519               | 1.026  | .524   |
| 16S        | 10-113196-16         | 10-74916-( )       | .875-20UNEF       | .578                | 1.094                    | 1.000                    | .938       | 1.406      | .875-20UNEF          | .519               | 1.119  | .524   |
| 16         | 10-113196-17         | 10-74917-( )       | .875-20UNEF       | .578                | 1.016                    | 1.000                    | .938       | 1.500      | .875-20UNEF          | .519               | 1.119  | .524   |
| 18         | 10-113196-18         | 10-74918-( )       | 1.000-20UNEF      | .676                | 1.141                    | 1.188                    | 1.062      | 1.625      | 1.000-20UNEF         | .519               | 1.229  | .556   |
| 20         | 10-113196-20         | 10-74920-( )       | 1.1875-18NEF      | .801                | 1.094                    | 1.312                    | 1.250      | 1.578      | 1.125-18NEF          | .505               | 1.479  | .666   |
| 22         | 10-113196-22         | 10-74922-( )       | 1.1875-18NEF      | .906                | 1.141                    | 1.438                    | 1.250      | 1.625      | 1.250-18NEF          | .519               | 1.479  | .666   |
| 24         | 10-113196-24         | 10-74924-( )       | 1.4375-18NEF      | 1.016               | 1.094                    | 1.562                    | 1.500      | 1.578      | 1.375-18NEF          | .519               | 1.666  | .666   |
| 28         | 10-113196-28         | 10-74928-( )       | 1.4375-18NEF      | 1.130               | 1.235                    | 1.812                    | 1.500      | 1.719      | 1.625-18NEF          | .519               | 1.666  | .666   |
| 32         | 10-113196-32         | 10-74932-( )       | 1.7500-18NS       | 1.438               | 1.204                    | 2.062                    | 1.875      | 1.688      | 1.875-16N            | .519               | 2.135  | .805   |
| 36         | 10-113196-36         | 10-74936-( )       | 2.000-18NS        | 1.678               | 1.266                    | 2.250                    | 2.125      | 1.750      | 2.0625-16N           | .738               | 2.260  | .805   |
| 40         | 10-113196-40         | 10-74940-( )       | 2.2500-16UN       | 1.914               | 1.266                    | 2.500                    | 2.375      | 1.750      | 2.3125-16N           | .738               | 2.510  | .805   |

\*For complete order number see page 5. Clamp 10-749XX-( ) has a bright cadmium finish. An olive drab cadmium plate finish is available by order number 71-749XX-( ). To complete clamp order number, add connector insert arrangement number.



### SEALING PLUG MS27488-XX 10-405996-XX

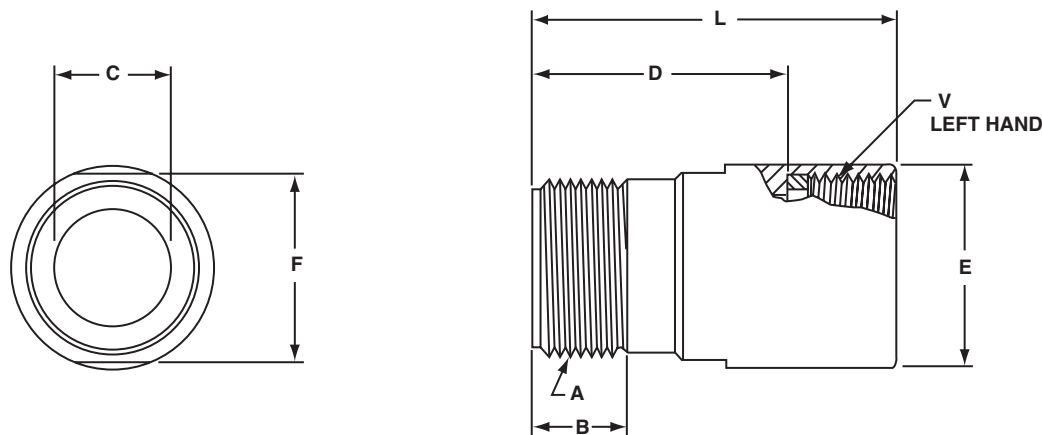
| Order No.    | Contact Size | MS Number | Wire Size | Color Code | B<br>±.005 | C<br>±.010 | A<br>Dia.<br>±.010 |
|--------------|--------------|-----------|-----------|------------|------------|------------|--------------------|
| 10-405996-16 | 16           | 27488-16  | 20-16     | Blue       | .133       | .564*      | .083               |
| 10-405996-12 | 12           | 27488-12  | 14-12     | Yellow     | .171       | .564*      | .121               |
| 10-405996-8  | 8            | 27488-8   | 10-8      | White      | .315       | .470       | .185               |
| 10-405996-4  | 4            | 27488-4   | 4-6       | Blue       | .415       | .470       | .310               |
| 10-405996-0  | 0            | 27488-0   | 0-2       | Yellow     | .605       | 1.000      | .440               |

\*±.020

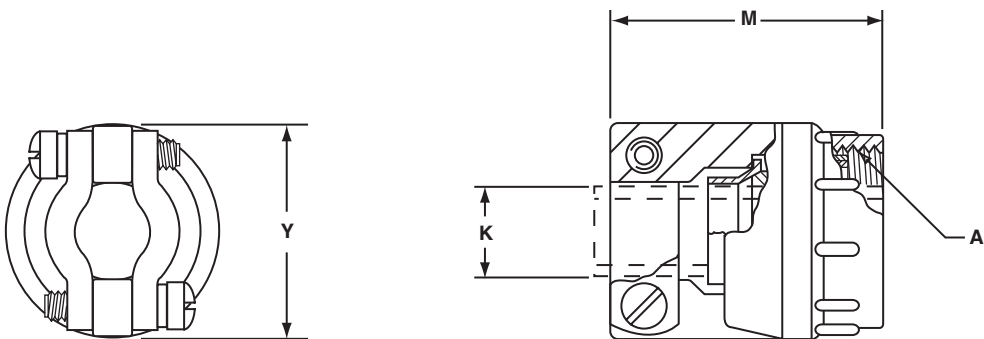
Sealing plugs are used to fill unused holes in multi-holed grommet configurations

**QWL – accessories**  
adapter, cable clamp

**10-113138-XX**  
adapter



**M85049/2-( )C**  
cable clamp

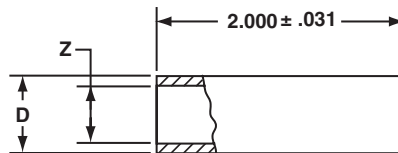


# QWL – accessories

## adapter, cable clamp, sleeve

| Shell Size | Adapter Part Number* | Clamp MS Part Number* | A Thread Class 2A (Plated) | B Min Full Thd | C Dia +.000 –.010 | D ±.020 | E Dia +.010 –.020 | F ±.010 | K Dia Cable Range |        | L Max | M Max | V Thread Class 2B-LH | Y Max |
|------------|----------------------|-----------------------|----------------------------|----------------|-------------------|---------|-------------------|---------|-------------------|--------|-------|-------|----------------------|-------|
|            |                      |                       |                            |                |                   |         |                   |         | Free              | Closed |       |       |                      |       |
| 12         | 10-113138-12         | M85049/2-4C           | .625-24UNEF                | .422           | .386              | 1.078   | .750              | .688    | .302              | .094   | 1.390 | 1.375 | .625-24NEF           | .906  |
|            | 10-113138-13         | M85049/2-4C           | .625-24NEF                 | .422           | .386              | 1.125   | .750              | .688    |                   |        | 1.609 |       | .625-24NEF           |       |
| 14         | 10-113138-14         | M85049/2-6C           | .750-20UNEF                | .422           | .500              | 1.078   | .875              | .812    | .428              | .230   | 1.390 | 1.375 | .750-20UNEF          | 1.031 |
|            | 10-113138-15         | M85049/2-6C           | .750-20UNEF                | .422           | .500              | 1.125   | .875              | .812    |                   |        | 1.609 |       | .750-20UNEF          |       |
| 16         | 10-113138-16         | M85049/2-8C           | .875-20UNEF                | .422           | .625              | 1.078   | 1.000             | .938    | .515              | .316   | 1.390 | 1.375 | .875-20UNEF          | 1.125 |
|            | 10-113138-17         | M85049/2-8C           | .875-20UNEF                | .422           | .625              | 1.125   | 1.000             | .938    |                   |        | 1.609 |       | .875-20UNEF          |       |
| 18         | 10-113138-18         | M85049/2-10C          | 1.000-20UNEF               | .422           | .752              | 1.125   | 1.188             | 1.062   | .614              | .378   | 1.609 | 1.437 | 1.000-20UNEF         | 1.234 |
| 20         | 10-113138-20         | M85049/2-12C          | 1.1875-18UNEF              | .422           | .891              | 1.125   | 1.312             | 1.250   | .738              | .445   | 1.609 | 1.437 | 1.125-18NEF          | 1.484 |
| 22         | 10-113138-22         | M85049/2-12C          | 1.1875-18NEF               | .422           | .891              | 1.125   | 1.438             | 1.250   | .738              | .445   | 1.609 | 1.437 | 1.250-18NEF          | 1.484 |
| 24         | 10-113138-24         | M85049/2-16C          | 1.4375-18UNEF              | .422           | 1.111             | 1.125   | 1.562             | 1.500   | .926              | .611   | 1.609 | 1.562 | 1.375-18NEF          | 1.671 |
| 28         | 10-113138-28         | M85049/2-16C          | 1.4375-18NEF               | .422           | 1.111             | 1.297   | 1.812             | 1.500   | .926              | .611   | 1.781 | 1.562 | 1.625-18NEF          | 1.671 |
| 32         | 10-113138-32         | M85049/2-20C          | 1.750-18UNS                | .484           | 1.422             | 1.297   | 2.062             | 1.875   | 1.200             | .922   | 1.781 | 1.812 | 1.875-16UN           | 2.188 |
| 36         | 10-113138-36         | M85049/2-24C          | 2.000-18UNS                | .562           | 1.672             | 1.297   | 2.250             | 2.125   | 1.363             | .922   | 1.781 | 2.062 | 2.0625-16N           | 2.344 |
| 40         | 10-113138-40         | M85049/2-28C          | 2.250-16UN                 | .562           | 1.914             | 1.297   | 2.500             | 2.375   | 1.611             | 1.180  | 1.781 | 2.062 | 2.3125-16N           | 2.594 |
| 44         | 10-113138-44         | M85049/2-32C          | 2.500-16UN                 | .562           | 2.142             | 1.297   | 2.812             | 2.625   | 1.865             | 1.427  | 1.781 | 2.188 | 2.625-16UN           | 2.812 |

**MS3420-( )A sleeve**

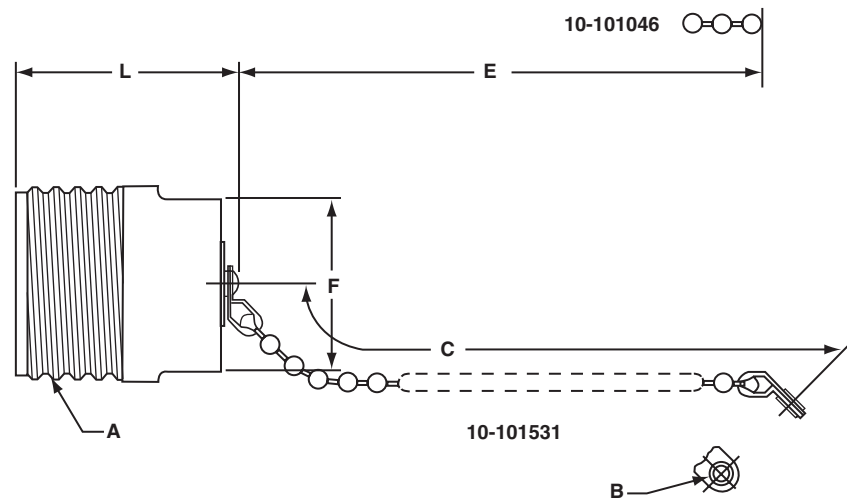


| Shell Size | Sleeve MS Part Number | D Dia. ±.016 | Z Dia      |        |
|------------|-----------------------|--------------|------------|--------|
|            |                       |              | Free ±.016 | Closed |
| 12         | MS3420-4A             | .302         | .219       | .010   |
| 14         | MS3420-4A             | .302         | .219       | .020   |
|            | MS3420-6A             | .427         | .312       | .114   |
| 16         | MS3420-6A             | .427         | .312       | .085   |
|            | MS3420-8A             | .531         | .438       | .220   |
| 18         | MS3420-6A             | .427         | .312       | .085   |
|            | MS3420-10A            | .615         | .438       | .200   |
| 20         | MS3420-10A            | .615         | .438       | .177   |
|            | MS3420-12A            | .740         | .541       | .270   |
| 22         | MS3420-10A            | .615         | .438       | .177   |
|            | MS3420-12A            | .740         | .541       | .270   |
| 24         | MS3420-8A             | .531         | .438       | .186   |
|            | MS3420-12A            | .740         | .541       | .260   |
|            | MS3420-16A            | .927         | .750       | .433   |
| 26         | MS3420-8A             | .531         | .438       | .186   |
|            | MS3420-12A            | .740         | .541       | .260   |
|            | MS3420-16A            | .927         | .750       | .433   |
| 32         | MS3420-12A            | .740         | .541       | .273   |
|            | MS3420-16A            | .927         | .750       | .442   |
|            | MS3420-20A            | 1.240        | .938       | .620   |
| 36         | MS3420-16A            | .927         | .750       | .358   |
|            | MS3420-20A            | 1.240        | .938       | .504   |
|            | MS3420-24A            | 1.365        | 1.125      | .682   |
| 40         | MS3420-16A            | .927         | .750       | .368   |
|            | MS3420-20A            | 1.240        | .938       | .514   |
|            | MS3420-28A            | 1.614        | 1.250      | .816   |
| 44         | MS3420-20A            | 1.240        | .938       | .638   |
|            | MS3420-28A            | 1.614        | 1.250      | .897   |
|            | MS3420-32A            | 1.865        | 1.625      | 1.229  |

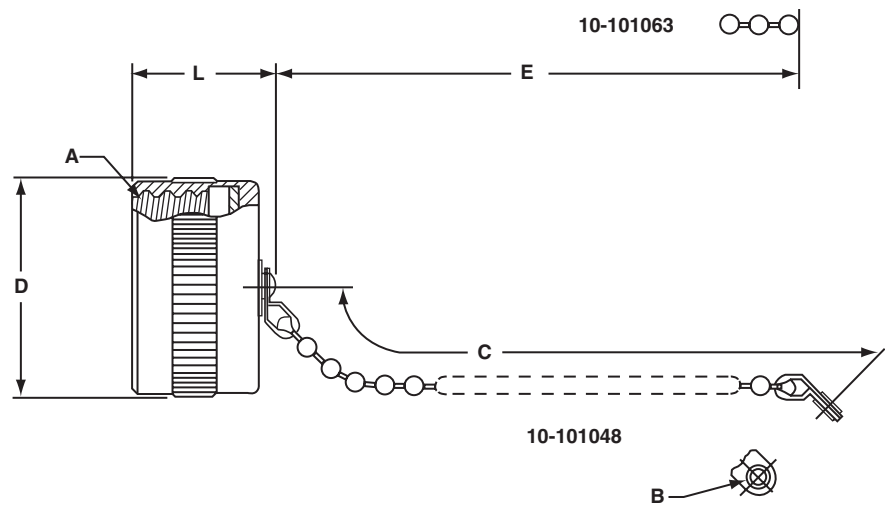
Sleeve not supplied as part of MS3057-( )C assembly.  
Order separately by part number shown.

**QWL – accessories**  
protection caps

**10-101046-( ), 10-101531-( )**  
plug protective covers



**10-101063-( ), 10-101048-( )**  
receptacle protective covers



# QWL – accessories

## protection caps

All dimensions for reference only.

| Shell Size | Without Eyelet End Part Number* | With Eyelet End Part Number* | A Thread Class 2A   | B Dia<br>+.010<br>-.000 | C Approx. | E Approx. | F Flat<br>±.010 | L Max. |
|------------|---------------------------------|------------------------------|---------------------|-------------------------|-----------|-----------|-----------------|--------|
| 10         | 10-101046-10                    | 10-101531-10                 | .6250-0.05P-0.1L-DS | .125                    | 3.000     | 3.375     | .500            | 1.250  |
| 12         | 10-101046-12                    | 10-101531-12                 | .7500-0.1P-0.2L-DS  | .125                    | 3.500     | 3.875     | .625            | 1.438  |
| 14         | 10-101046-14                    | 10-101531-14                 | .8750-0.1P-0.2L-DS  | .125                    | 3.500     | 3.875     | .750            | 1.438  |
| 16         | 10-101046-16                    | 10-101531-16                 | 1.0000-0.1P-0.2L-DS | .140                    | 3.500     | 3.875     | .875            | 1.438  |
| 18         | 10-101046-18                    | 10-101531-18                 | 1.1250-0.1P-0.2L-DS | .140                    | 3.500     | 4.000     | 1.000           | 1.438  |
| 20         | 10-101046-20                    | 10-101531-20                 | 1.2500-0.1P-0.2L-DS | .193                    | 4.000     | 4.500     | 1.062           | 1.438  |
| 22         | 10-101046-22                    | 10-101531-22                 | 1.3750-0.1P-0.2L-DS | .193                    | 4.000     | 4.500     | 1.125           | 1.438  |
| 24         | 10-101046-24                    | 10-101531-24                 | 1.5000-0.1P-0.2L-DS | .193                    | 4.500     | 5.000     | 1.250           | 1.438  |
| 28         | 10-101046-28                    | 10-101531-28                 | 1.7500-0.1P-0.2L-DS | .193                    | 4.500     | 5.000     | 1.500           | 1.438  |
| 32         | 10-101046-32                    | 10-101531-32                 | 2.0000-0.1P-0.2L-DS | .193                    | 5.000     | 5.500     | 1.750           | 1.438  |
| 36         | 10-101046-36                    | 10-101531-36                 | 2.2500-0.1P-0.2L-DS | .193                    | 5.000     | 5.500     | 2.000           | 1.438  |
| 40         | 10-101046-40                    | 10-101531-40                 | 2.5000-0.1P-0.2L-DS | .193                    | 5.000     | 5.500     | 2.250           | 1.438  |
| 44         | 10-101046-44                    | 10-101531-44                 | 2.7500-0.1P-0.2L-DS | .193                    | 6.000     | 6.000     | 2.500           | 1.438  |
| 48         | 10-101046-48                    | 10-101531-48                 | 3.0000-0.1P-0.2L-DS | .193                    | 6.000     | 6.000     | 2.750           | 1.438  |

\*For complete order number see page 5.

All dimensions for reference only.

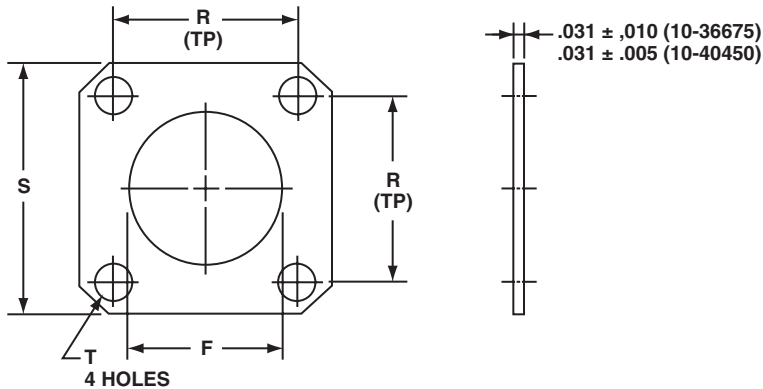
| Shell Size | Without Eyelet End Part Number* | With Eyelet End Part Number* | A Thread Class 2B   | B Dia<br>+.010<br>-.000 | C Approx. | D Dia.<br>Max. | E Approx. | L Max. |
|------------|---------------------------------|------------------------------|---------------------|-------------------------|-----------|----------------|-----------|--------|
| 10         | 10-101063-10                    | 10-101048-10                 | .6250-0.05P-0.1L-DS | .140                    | 3.000     | .844           | 3.375     | .750   |
| 12         | 10-101063-12                    | 10-101048-12                 | .7500-0.1P-0.2L-DS  | .140                    | 3.500     | .969           | 3.875     | .750   |
| 14         | 10-101063-14                    | 10-101048-14                 | .8750-0.1P-0.2L-DS  | .140                    | 3.500     | 1.094          | 3.875     | .750   |
| 16         | 10-101063-16                    | 10-101048-16                 | 1.0000-0.1P-0.2L-DS | .140                    | 3.500     | 1.219          | 3.875     | .750   |
| 18         | 10-101063-18                    | 10-101048-18                 | 1.1250-0.1P-0.2L-DS | .193                    | 3.500     | 1.344          | 4.000     | .969   |
| 20         | 10-101063-20                    | 10-101048-20                 | 1.2500-0.1P-0.2L-DS | .193                    | 4.000     | 1.469          | 4.500     | .969   |
| 22         | 10-101063-22                    | 10-101048-22                 | 1.3750-0.1P-0.2L-DS | .193                    | 4.000     | 1.562          | 4.500     | .969   |
| 24         | 10-101063-24                    | 10-101048-24                 | 1.5000-0.1P-0.2L-DS | .193                    | 4.500     | 1.688          | 5.000     | .969   |
| 28         | 10-101063-28                    | 10-101048-28                 | 1.7500-0.1P-0.2L-DS | .193                    | 4.500     | 1.938          | 5.000     | .969   |
| 32         | 10-101063-32                    | 10-101048-32                 | 2.0000-0.1P-0.2L-DS | .193                    | 5.000     | 2.219          | 5.500     | .969   |
| 36         | 10-101063-36                    | 10-101048-36                 | 2.2500-0.1P-0.2L-DS | .193                    | 5.000     | 2.469          | 5.500     | .969   |
| 40         | 10-101063-40                    | 10-101048-40                 | 2.5000-0.1P-0.2L-DS | .193                    | 5.000     | 2.719          | 5.500     | .969   |
| 44         | 10-101063-44                    | 10-101048-44                 | 2.7500-0.1P-0.2L-DS | .193                    | 6.000     | 2.969          | 6.000     | .969   |
| 48         | 10-101063-48                    | 10-101048-48                 | 3.0000-0.1P-0.2L-DS | .193                    | 6.000     | 3.219          | 6.000     | .969   |

\*For complete order number see page 5.

# QWL – accessories

## flange gasket, grip banding clamp

10-36675-( )  
10-40450-( )  
flange gaskets

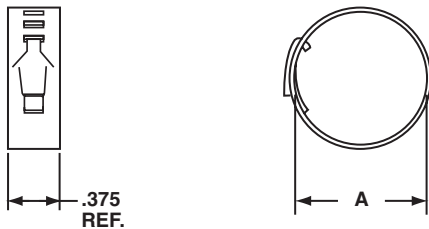


All dimensions for reference only.

| Part Number* | Part Number* | Shell Size | F Dia.<br>+.016<br>-.000 | R<br>±.010 | S<br>+.016<br>-.000 | T Dia.<br>±.010 |
|--------------|--------------|------------|--------------------------|------------|---------------------|-----------------|
| 10-36675-10  | 10-40450-10  | 10         | .625                     | .719       | 1.000               | .172            |
| 10-36675-12  | 10-40450-12  | 12         | .750                     | .813       | 1.094               | .172            |
| 10-36675-14  | 10-40450-14  | 14         | .875                     | .906       | 1.188               | .172            |
| 10-36675-16  | 10-40450-16  | 16         | 1.000                    | .969       | 1.281               | .172            |
| 10-36675-18  | 10-40450-18  | 18         | 1.125                    | 1.063      | 1.375               | .203            |
| 10-36675-20  | 10-40450-20  | 20         | 1.250                    | 1.156      | 1.500               | .203            |
| 10-36675-22  | 10-40450-22  | 22         | 1.375                    | 1.250      | 1.625               | .203            |
| 10-36675-24  | 10-40450-24  | 24         | 1.500                    | 1.375      | 1.750               | .203            |
| 10-36675-28  | 10-40450-28  | 28         | 1.750                    | 1.563      | 2.000               | .203            |
| 10-36675-32  | 10-40450-32  | 32         | 2.000                    | 1.750      | 2.250               | .219            |
| 10-36675-36  | 10-40450-36  | 36         | 2.188                    | 1.938      | 2.500               | .219            |
| 10-36675-40  | 10-40450-40  | 40         | 2.438                    | 2.188      | 2.750               | .219            |
| 10-36675-44  | 10-40450-44  | 44         | 2.688                    | 2.375      | 3.000               | .219            |
| 10-36675-48  | 10-40450-48  | 48         | 2.938                    | 2.625      | 3.250               | .219            |

\*For complete order number see page 5.

10-183249-( )  
grip banding clamp



All dimensions for reference only.

| Part Number* | A Dia. |       |
|--------------|--------|-------|
|              | Max.   | Min.  |
| 10-183249-10 | 1.125  | .812  |
| 10-183249-11 | 1.312  | .938  |
| 10-183249-12 | 1.500  | 1.125 |
| 10-183249-13 | 1.688  | 1.312 |
| 10-183249-14 | 1.875  | 1.500 |
| 10-183249-15 | 2.062  | 1.688 |
| 10-183249-16 | 2.250  | 1.875 |
| 10-183249-17 | 2.438  | 2.062 |
| 10-183249-18 | 2.625  | 2.250 |
| 10-183249-19 | 2.812  | 2.438 |
| 10-183249-20 | 3.000  | 2.625 |

\*For complete order number see page 5.