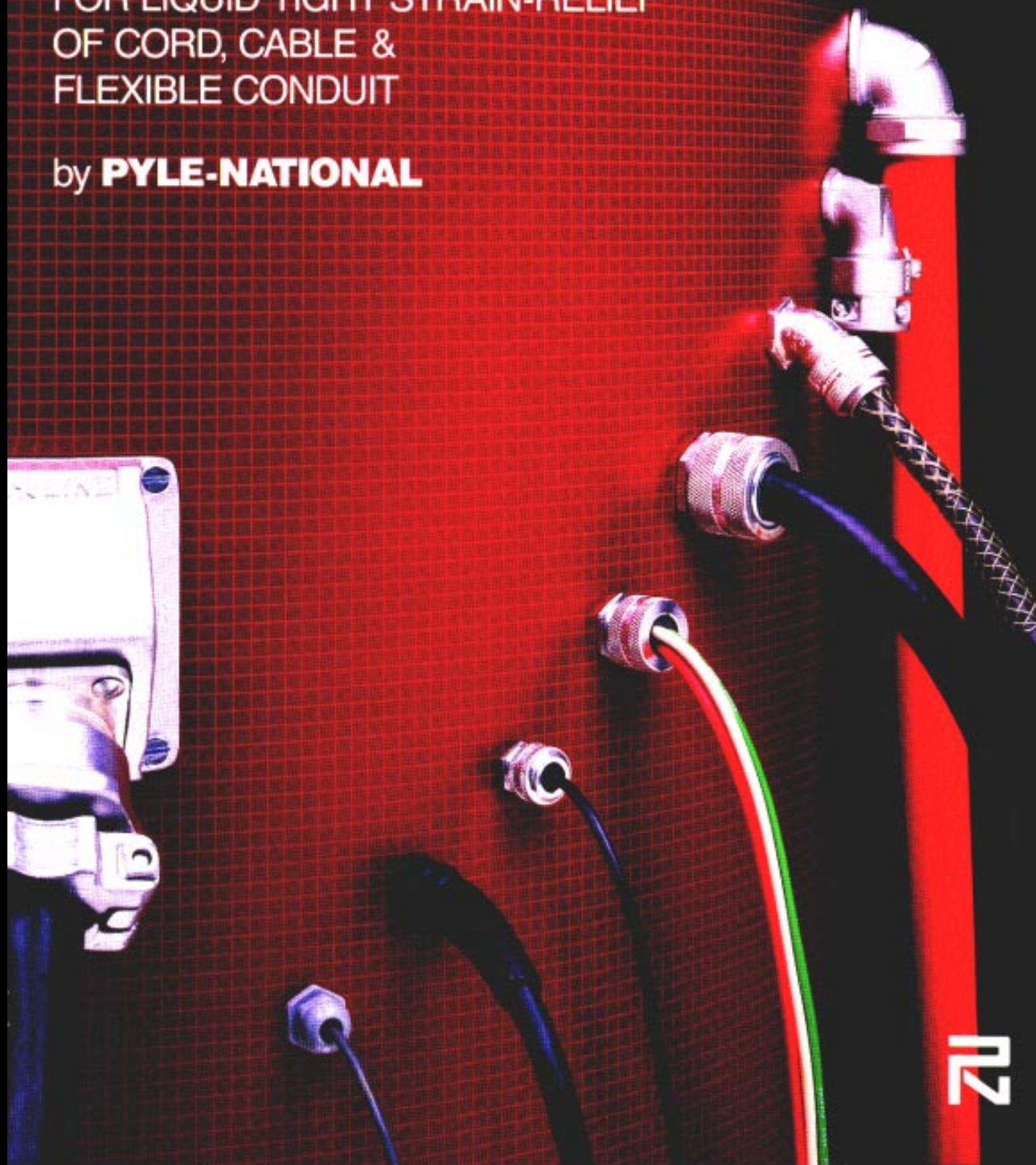


# PERFORMANCE CONNECTORS

FOR LIQUID TIGHT STRAIN-RELIEF  
OF CORD, CABLE &  
FLEXIBLE CONDUIT

by **PYLE-NATIONAL**

Bulletin LT-300



# PYLE-NATIONAL CONNECTORS

Pyle-National connectors make sure your cord or cable stays in and everything else stays out. Use them as part of a sealed environment, where moving parts, or handling can abuse connections.

## FEATURES & BENEFITS

### Tapered rubber grommet and seat

Secure cord the *entire length* of grommet making a liquid-tight seal.

### Variety of styles: straight, 45°, 90°, and flexible

Assures ease of installation and permits custom cable routing.

### Various strain relief options:

Standard compression nut, mechanical clamp nut or basket weave styles.

### Tapered conduit threads

Provide strong water and oil-tight joint.

### Machined components

Strong, lightweight, and have long service life.

### Male and female threads

Provides versatility in panelboard or threaded hub applications.

## APPLICATIONS

### FOR POWER/CONTROL:

- Switchboards
- Machine Tools
- Heating and Cooling
- Lighting and Ballasts
- Portable Equipment
- Motors and Generators
- Production Machinery
- Processing Equipment
- Robotics and Welding
- Standby Power
- Medical/Dental Equipment.

### FOR COMMUNICATION:

- Radio and Radar
- Television
- Transformers
- Data Processing
- Instruments.

### FOR TRANSPORTATION:

- Shipyards
- Refrigerated Containers
- Railroad and Trucking.

## MATERIALS & FINISHES (NATURAL UNLESS OTHERWISE NOTED)

Straight Bodies  
45° & 90° Bodies  
Grommets  
Washers  
Compression Nuts  
Mechanical Nuts  
Woven Grip  
Flared Nipple

Copper-free aluminum bar stock  
Cadmium plated ferrous alloy  
Oil-resistant synthetic rubber  
Cadmium plated cold rolled steel  
Copper-free aluminum bar stock  
Cast aluminum  
Woven stainless steel  
Copper-free aluminum bar stock

# HELPFUL INFORMATION

## ALLOWABLE AMPACITIES OF INSULATED CONDUCTORS

as taken from 1987 Edition of National Electric Code.

Rated 0-2000 Volts, 60° to 90° C - Not More Than Three Conductors in Raceway or Cable or Earth (Directly Buried). Based on Ambient Temperature of 30° C (86° F).

| Size | Temperature Rating of Conductors (Copper) |                                               |                   |                                                    |
|------|-------------------------------------------|-----------------------------------------------|-------------------|----------------------------------------------------|
|      | 60° C<br>(140° F)                         | 75° C<br>(167° F)                             | 85° C<br>(185° F) | 90° C<br>(194° F)                                  |
| AWG  | 1TW, 1UF                                  | 1FEPM, 1H, 1RHM, 1TRW, 1THW, 1XHHM, 1USE, 1ZW | V                 | 1A, 1BS, 1SA, 1SIS, 1FEP, 1FEPB, 1RHM, 1THW, 1XHHW |
| MCM  |                                           |                                               |                   |                                                    |
| 18   | ---                                       | ---                                           | 18                | 14                                                 |
| 16   | ---                                       | ---                                           | 25                | 18                                                 |
| 14   | 20†                                       | 20†                                           | 30                | 25†                                                |
| 12   | 25†                                       | 25†                                           | 40                | 30†                                                |
| 10   | 30                                        | 35†                                           | 55                | 40†                                                |
| 8    | 40                                        | 50                                            | 75                | 55                                                 |
| 6    | 55                                        | 65                                            | 100               | 75                                                 |
| 4    | 70                                        | 85                                            | 110               | 95                                                 |
| 3    | 85                                        | 100                                           | 125               | 110                                                |
| 2    | 95                                        | 115                                           | 145               | 130                                                |
| 1    | 110                                       | 130                                           | 165               | 150                                                |
| 3    | 125                                       | 150                                           | 190               | 170                                                |
| 00   | 145                                       | 175                                           | 215               | 195                                                |
| 000  | 165                                       | 200                                           | 235               | 225                                                |
| 0000 | 195                                       | 230                                           | 250               | 260                                                |
| 250  | 215                                       | 255                                           | 275               | 290                                                |

### AMPACTION CORRECTION FACTORS

| Ambient Temp. F° (C°) | For ambient temperatures other than 30° C, multiply the ampacities shown above by the appropriate factor shown below. |     |     |     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| 87-104 (31-40)        | .82                                                                                                                   | .88 | .90 | .91 |
| 105-113 (41-45)       | .71                                                                                                                   | .82 | .85 | .87 |
| 114-122 (46-50)       | .58                                                                                                                   | .75 | .80 | .82 |
| 123-141 (51-60)       | ---                                                                                                                   | .58 | .67 | .71 |
| 142-158 (61-70)       | ---                                                                                                                   | .35 | .52 | .58 |
| 159-176 (71-80)       | ---                                                                                                                   | --- | .30 | .41 |

†The equipment protection for conductors types marked with an obelisk (†) shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG, and 30 amperes for 10 AWG copper.

\*For dry locations only. See 75° C column for wet locations.

## FRACTION::DECIMAL::METRIC

| Fraction | Decimal | Mm     | Fraction | Decimal | Mm     |
|----------|---------|--------|----------|---------|--------|
| 1/64     | 0.0156  | 0.379  | 33/64    | 0.5156  | 13.097 |
| 1/32     | 0.0312  | 0.794  | 17/32    | 0.5312  | 13.494 |
| 3/64     | 0.0469  | 1.191  | 35/64    | 0.5469  | 13.891 |
| 1/16     | 0.0625  | 1.588  | 9/16     | 0.5625  | 14.288 |
| 5/64     | 0.0781  | 1.984  | 37/64    | 0.5781  | 14.684 |
| 3/32     | 0.0938  | 2.381  | 19/32    | 0.5938  | 15.081 |
| 7/64     | 0.1094  | 2.778  | 39/64    | 0.6094  | 15.478 |
| 1/8      | 0.1250  | 3.175  | 5/8      | 0.6250  | 15.875 |
| 9/64     | 0.1406  | 3.572  | 41/64    | 0.6406  | 16.272 |
| 5/32     | 0.1562  | 3.969  | 21/32    | 0.6562  | 16.669 |
| 11/64    | 0.1719  | 4.366  | 43/64    | 0.6719  | 17.066 |
| 3/16     | 0.1875  | 4.762  | 11/16    | 0.6875  | 17.462 |
| 13/64    | 0.2031  | 5.159  | 45/64    | 0.7031  | 17.859 |
| 7/32     | 0.2188  | 5.556  | 23/32    | 0.7188  | 18.256 |
| 15/64    | 0.2344  | 5.953  | 47/64    | 0.7344  | 18.653 |
| 1/4      | 0.2500  | 6.350  | 3/4      | 0.7500  | 19.050 |
| 17/64    | 0.2656  | 6.747  | 49/64    | 0.7656  | 19.447 |
| 9/32     | 0.2812  | 7.144  | 26/32    | 0.7812  | 19.844 |
| 19/64    | 0.2969  | 7.541  | 51/64    | 0.7969  | 20.241 |
| 5/16     | 0.3125  | 7.938  | 13/16    | 0.8125  | 20.638 |
| 21/64    | 0.3281  | 8.334  | 53/64    | 0.8281  | 21.034 |
| 11/32    | 0.3438  | 8.731  | 27/32    | 0.8438  | 21.431 |
| 23/64    | 0.3594  | 9.128  | 55/64    | 0.8594  | 21.828 |
| 3/8      | 0.3750  | 9.525  | 7/8      | 0.8750  | 22.225 |
| 25/64    | 0.3906  | 9.922  | 57/64    | 0.8906  | 22.622 |
| 13/32    | 0.4062  | 10.319 | 29/32    | 0.9062  | 23.019 |
| 27/64    | 0.4219  | 10.716 | 59/64    | 0.9219  | 23.416 |
| 7/16     | 0.4375  | 11.112 | 15/16    | 0.9375  | 23.812 |
| 29/64    | 0.4531  | 11.509 | 61/64    | 0.9531  | 24.209 |
| 15/32    | 0.4688  | 11.906 | 31/32    | 0.9688  | 24.606 |
| 31/64    | 0.4844  | 12.303 | 63/64    | 0.9844  | 25.003 |
| 1/2      | 0.5000  | 12.700 | 1        | 1.0000  | 25.400 |

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## SELECTED CORD & CABLE DIAMETERS

| Type of Cord   | AWG Size of Conductors | Number of Conductors and Approximate O.D. in Inches |             |             |
|----------------|------------------------|-----------------------------------------------------|-------------|-------------|
|                |                        | 2 Conductor                                         | 3 Conductor | 4 Conductor |
| SJ, SJO        | 18                     | .300                                                | .330        | .360        |
|                | 16                     | .330                                                | .360        | .390        |
|                | 14                     | .375                                                | .395        | .420        |
| S, SO, ST, STO | 18                     | .385                                                | .400        | .430        |
|                | 16                     | .400                                                | .425        | .480        |
|                | 14                     | .530                                                | .560        | .605        |
|                | 12                     | .600                                                | .635        | .665        |
|                | 10                     | .640                                                | .690        | .745        |
|                | 8                      | .700-.840                                           | .750-.910   | .820-.990   |
| W              | 6                      | .820-.930                                           | .885-1.010  | .975-1.100  |
|                | 4                      | 1.080                                               | 1.170       | 1.270       |
|                | 3                      | 1.170                                               | 1.240       | 1.340       |
|                | 2                      | 1.270                                               | 1.340       | 1.480       |
|                | 1                      | 1.440                                               | 1.510       | 1.680       |
|                | 1/0                    | 1.520                                               | 1.650       | 1.790       |
|                | 2/0                    | 1.650                                               | 1.750       | 1.930       |
|                | 3/0                    | 1.770                                               | 1.890       | 2.070       |
|                | 4/0                    | 1.920                                               | 2.070       | 2.260       |
|                | 250                    | 2.160                                               | 2.390       | —           |
| Bus Drop Cable | 14                     | —                                                   | —           | .410        |
|                | 12                     | —                                                   | —           | .450        |
|                | 10                     | —                                                   | —           | .530        |
|                | 8                      | —                                                   | —           | .670        |
|                | 6                      | —                                                   | —           | .850        |
|                | 4                      | —                                                   | —           | .950        |
|                | 2                      | —                                                   | —           | 1.000       |

NOTE: Dimensions are approximate. When possible consult manufacturer's data.

## AMPERAGES OF ELECTRIC MOTORS

| Motor Horse Power | Motor Full Load Current (Amps) |        |        |        |              |        |
|-------------------|--------------------------------|--------|--------|--------|--------------|--------|
|                   | Three Phase                    |        |        |        | Single Phase |        |
|                   | 200 V.                         | 230 V. | 460 V. | 575 V. | 115 V.       | 230 V. |
| 1/20              | 0.39                           | 0.34   | 0.17   | 0.14   | 1.30         | 0.65   |
| 1/12              | 0.55                           | 0.48   | 0.24   | 0.19   | 1.90         | 0.95   |
| 1/8               | 0.74                           | 0.64   | 0.32   | 0.26   | 2.60         | 1.30   |
| 1/6               | 0.90                           | 0.78   | 0.39   | 0.31   | 3.24         | 1.62   |
| 1/4               | 1.22                           | 1.06   | 0.53   | 0.42   | 4.40         | 2.20   |
| 1/3               | 1.52                           | 1.32   | 0.66   | 0.53   | 5.47         | 2.74   |
| 1/2               | 2.07                           | 1.80   | 0.90   | 0.72   | 7.45         | 3.73   |
| 3/4               | 2.88                           | 2.50   | 1.25   | 1.00   | 10.1         | 5.07   |
| 1                 | 3.68                           | 3.20   | 1.60   | 1.28   | 12.6         | 6.31   |
| 1 1/2             | 5.18                           | 4.50   | 2.25   | 1.80   | 17.2         | 8.59   |
| 2                 | 6.67                           | 5.80   | 2.90   | 2.32   | 21.4         | 10.7   |
| 3                 | 9.66                           | 8.40   | 4.20   | 3.36   | 29.1         | 14.5   |
| 5                 | 15.4                           | 13.4   | 6.68   | 5.35   | 42.9         | 21.4   |
| 7 1/2             | 22.6                           | 19.6   | 9.82   | 7.86   | 58.4         | 29.2   |
| 10                | 29.7                           | 25.8   | 12.9   | 10.3   | —            | 36.3   |
| 15                | 43.6                           | 38.0   | 19.0   | 15.2   | —            | 49.4   |
| 20                | 57.4                           | 49.9   | 24.9   | 20.0   | —            | —      |
| 25                | 70.9                           | 61.7   | 30.8   | 24.7   | —            | —      |
| 30                | 84.3                           | 73.3   | 36.7   | 29.3   | —            | —      |
| 40                | 111.                           | 96.4   | 48.2   | 38.5   | —            | —      |
| 50                | 137.                           | 119.   | 59.6   | 47.6   | —            | —      |
| 60                | 163.                           | 142.   | 70.8   | 56.6   | —            | —      |
| 75                | 201.                           | 175.   | 87.6   | 70.0   | —            | —      |
| 100               | 265.                           | 230.   | 115.   | 92.0   | —            | —      |
| 125               | 327.                           | 284.   | 142.   | 114.   | —            | —      |
| 150               | 389.                           | 338.   | 169.   | 135.   | —            | —      |
| 200               | 511.                           | 445.   | 222.   | 178.   | —            | —      |

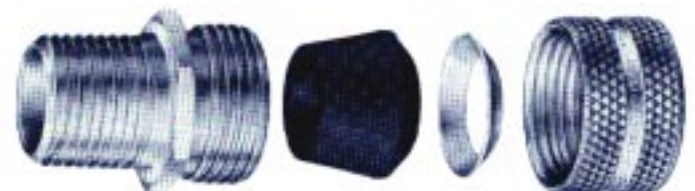
NOTE: These are approximate currents to be used for selecting cord wire sizes.

This catalog will introduce you to a line of cord and cable connectors that is as flexible as the cord and cable you install.

Specifying complete assemblies or component parts is made easy by showing almost every possible combination you may need. If you need assistance, do not hesitate to call on your Pyle-National distributor, or factory representative.

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All sizes and specifications subject to change without notice.



# DB/DBM GROUP

## STRAIN-RELIEF CONNECTORS FOR FLEXIBLE CORD & CABLE

### SMALL STRAIGHT BODY, MALE THREAD

ALUMINUM BODY AND COMPRESSION NUT WITH WASHER AND SINGLE HOLE OIL-RESISTANT GROMMET



This small body connector is ideal for internal uses, as well as conduit hub and panel-board mounting into threaded bodies or with locknuts. Complete units listed require no other parts except cable. Component parts allow expansion or updating of present equipment.

Suitable for use in hazardous locations per National Electric Code Class I, Div. 2; Class II, Div. 1 & 2; Class III, Div. 1 & 2.



#### INSULATED THROAT OPTION:

Add suffix "T" to all complete assembly part numbers on this page. E.g.: DB-9916T.

| CONDUIT HUB SIZE | PANEL HOLE SIZE | CORD DIAMETER RANGE IN (MM) | COMPLETE ASSEMBLY CATALOG NUMBERS |                     |                 |
|------------------|-----------------|-----------------------------|-----------------------------------|---------------------|-----------------|
|                  |                 |                             | WITH COMPRESSION NUT              | WITH MECHANICAL NUT | WITH WOVEN GRIP |
| 1/4"             | 9/16"           | .125-.187 (3.17-4.75)       | DB-44316                          | .....               | .....           |
|                  |                 | .187-.250 (4.75-6.35)       | DB-4414                           | .....               | .....           |
|                  |                 | .250-.312 (6.35-7.92)       | DB-44516                          | .....               | .....           |
| 3/8"             | 11/16"          | .125-.187 (3.17-4.75)       | DB-4316                           | .....               | .....           |
|                  |                 | .187-.250 (4.75-6.35)       | DB-414                            | .....               | .....           |
|                  |                 | .250-.312 (6.35-7.92)       | DB-4516                           | .....               | .....           |
| 1/2"             | 7/8"            | .312-.375 (7.92-9.52)       | DB-438                            | .....               | .....           |
|                  |                 | .375-.437 (9.52-11.1)       | DB-4                              | .....               | .....           |
|                  |                 | .125-.187 (3.17-4.75)       | DB-3316                           | .....               | .....           |
|                  |                 | .187-.250 (4.75-6.35)       | DB-314                            | .....               | .....           |
|                  |                 | .250-.312 (6.35-7.92)       | DB-3516                           | .....               | .....           |
|                  |                 | .312-.375 (7.92-9.52)       | DB-338                            | .....               | .....           |
|                  |                 | .375-.437 (9.52-11.1)       | DB-3                              | .....               | .....           |
|                  |                 | .125-.250 (3.17-6.35)       | DB-7                              | DBM-1204-M          | .....           |
|                  |                 | .187-.312 (4.75-7.92)       | DB-9516                           | DBM-1205-M          | DBKM-1205       |
|                  |                 | .250-.375 (6.35-9.52)       | DB-8                              | DBM-1206-M          | DBKM-1206       |
|                  |                 | .312-.437 (7.92-11.1)       | DB-9716                           | DBM-1207-M          | DBKM-1207       |
|                  |                 | .375-.500 (9.52-12.7)       | DB-9                              | DBM-1208-M          | DBKM-1208       |
|                  |                 | *.437-.562 (11.1-14.3)      | DB-9916                           | DBM-1209-M          | DBKM-1209       |
|                  |                 | *.500-.625 (12.7-15.9)      | DB-10                             | DBM-1210-M          | DBKM-1210       |
|                  |                 | *.625-.687 (15.9-17.4)      | DB-91116                          | DBM-1311-M          | DBKM-1311       |
|                  |                 | *.687-.750 (17.4-19.1)      | DB-934                            | DBM-1312-M          | DBKM-1312       |
| 3/4"             | 1-1/8"          | .125-.250 (3.17-6.35)       | DB-614                            | DBM-2204-M          | .....           |
|                  |                 | .187-.312 (4.75-7.92)       | DB-6516                           | DBM-2205-M          | DBKM-2205       |
|                  |                 | .250-.375 (6.35-9.52)       | DB-638                            | DBM-2206-M          | DBKM-2206       |
|                  |                 | .312-.437 (7.92-11.1)       | DB-6716                           | DBM-2207-M          | DBKM-2207       |
|                  |                 | .375-.500 (9.52-12.7)       | DB-612                            | DBM-2208-M          | DBKM-2208       |
|                  |                 | .437-.562 (11.1-14.3)       | DB-6916                           | DBM-2209-M          | DBKM-2209       |
|                  |                 | .500-.625 (12.7-15.9)       | DB-6                              | DBM-2210-M          | DBKM-2210       |
|                  |                 | .625-.687 (15.9-17.4)       | DB-111116                         | DBM-2311-M          | DBKM-2311       |
|                  |                 | .687-.750 (17.4-19.1)       | DB-11                             | DBM-2312-M          | DBKM-2312       |
|                  |                 | *.750-.875 (19.1-22.2)      | DB-2514                           | DBM-2514-M          | DBKM-2514       |
| 1"               | 1-3/8"          | *.875-1.00 (22.2-25.4)      | DB-2516                           | DBM-2516-M          | DBKM-2516       |
|                  |                 | .375-.437 (9.52-11.1)       | DB-33716                          | DBM-3307-M          | DBKM-3307       |
|                  |                 | .437-.500 (11.1-12.7)       | DB-3312                           | DBM-3308-M          | DBKM-3308       |
|                  |                 | .500-.562 (12.7-14.3)       | DB-33916                          | DBM-3309-M          | DBKM-3309       |
|                  |                 | .562-.625 (14.3-15.9)       | DB-3358                           | DBM-3310-M          | DBKM-3310       |
|                  |                 | .625-.687 (15.9-17.4)       | DB-331116                         | DBM-3311-M          | DBKM-3311       |
|                  |                 | .687-.750 (17.4-19.1)       | DB-33                             | DBM-3312-M          | DBKM-3312       |
|                  |                 | .687-.812 (17.4-20.6)       | DB-1413                           | DBM-3513-M          | DBKM-3513       |
|                  |                 | .750-.875 (19.1-22.2)       | DB-1478                           | DBM-3514-M          | DBKM-3514       |
|                  |                 | .812-.937 (20.6-23.8)       | DB-141516                         | DBM-3515-M          | DBKM-3515       |
|                  |                 | *.875-1.00 (22.2-25.4)      | DB-14                             | DBM-3516-M          | DBKM-3516       |

\*Maximum cord size will not pass through body without removing outer jacket. Other grommets both single and multi-hole are available—see page 20.

See pages 8-9 for dimensional information



| FORM<br>SIZE | COMPONENT PARTS CATALOG NUMBERS |                                                                    |                 |                    |                                           |                                                              |                                                                      |                                           |  |
|--------------|---------------------------------|--------------------------------------------------------------------|-----------------|--------------------|-------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|--|
|              | BODY<br>BORE—IN (MM)            | GROMMET                                                            | PLAIN<br>WASHER | COMPRESSION<br>NUT | MECHANICAL<br>NUT                         | WOVEN<br>GRIP                                                | WOVEN GRIP<br>WASHER                                                 | WOVEN GRIP<br>NUT                         |  |
| 1            | DB-4-G<br>.35 (8.9)             | DB-4-F<br>DB-4-J<br>DB-4-D                                         | PX-4-CS         | DB-4-B             | .....<br>.....<br>.....                   | .....<br>.....<br>.....                                      | .....<br>.....<br>.....                                              | .....<br>.....<br>.....                   |  |
| 1            | DB-4-A<br>.44 (11.2)            | DB-4-F<br>DB-4-J<br>DB-4-D<br>DB-4-E<br>DB-4-C                     | PX-4-CS         | DB-4-B             | .....<br>.....<br>.....<br>.....<br>..... | .....<br>.....<br>.....<br>.....<br>.....                    | .....<br>.....<br>.....<br>.....<br>.....                            | .....<br>.....<br>.....<br>.....<br>..... |  |
| 1            | DB-3-A<br>.44 (11.2)            | DB-4-F<br>DB-4-J<br>DB-4-D<br>DB-4-E<br>DB-4-C                     | PX-4-CS         | DB-4-B             | .....<br>.....<br>.....<br>.....<br>..... | .....<br>.....<br>.....<br>.....<br>.....                    | .....<br>.....<br>.....<br>.....<br>.....                            | .....<br>.....<br>.....<br>.....<br>..... |  |
| 2            | DB-9-A<br>.64 (16.3)            | DB-9-F<br>DB-9-V<br>DB-9-E<br>DB-9-J<br>DB-9-D<br>DB-9-U<br>DB-9-C | PX-8-CS         | DB-9-B             | PX-10                                     | DBKG-5<br>DBKG-6<br>DBKG-8<br>DBKG-8<br>DBKG-10<br>DBKG-10   | .....<br>△<br>△<br>△<br>△<br>△<br>PX-8-CS                            | DBK-9-B                                   |  |
| 3            | DB-934-A<br>.62 (15.7)          | DB-11-O<br>DB-11-C                                                 | PX-11-CS        | DB-11-B            | PX-11                                     | DBKG-12<br>DBKG-12                                           | PX-11-CS                                                             | DBK-11-B                                  |  |
| 2            | DB-6-A<br>.64 (16.3)            | DB-9-F<br>DB-9-V<br>DB-9-E<br>DB-9-J<br>DB-9-D<br>DB-9-V<br>DB-9-C | PX-8-CS         | DB-9-B             | PX-10                                     | DBKG-5<br>DBKG-6<br>DBKG-8<br>DBKG-8<br>DBKG-10<br>DBKG-10   | .....<br>△<br>△<br>△<br>△<br>△<br>PX-8-CS                            | DBK-9-B                                   |  |
| 3            | DB-11-A<br>.75 (19.1)           | DB-11-O<br>DB-11-C                                                 | PX-11-CS        | DB-11-B            | PX-11                                     | DBKG-12<br>DBKG-12                                           | PX-11-CS                                                             | DBK-11-B                                  |  |
| 5            | DB-25-M<br>.81 (20.6)           | DB-14-H<br>DB-14-C                                                 | PX-14-CS        | DB-14-B            | PX-14                                     | DBKG-14<br>DBKG-16                                           | △<br>PX-14-CS                                                        | DBK-14-B                                  |  |
| 3            | DB-33-A<br>.75 (19.1)           | DB-11-E<br>DB-11-D<br>DB-11-R<br>DB-11-K<br>DB-11-O<br>DB-11-C     | PX-11-CS        | DB-11-B            | PX-11                                     | DBKG-8<br>DBKG-8<br>DBKG-10<br>DBKG-10<br>DBKG-12<br>DBKG-12 | DBK-11-W<br>DBK-11-W<br>DBK-11-W<br>DBK-11-W<br>PX-11-CS<br>PX-11-CS | DBK-11-B                                  |  |
| 5            | DB-14-A<br>1.03 (26.2)          | DB-14-K<br>DB-14-H<br>DB-14-L<br>DB-14-C                           | PX-14-CS        | DB-14-B            | PX-14                                     | DBKG-14<br>DBKG-14<br>DBKG-16<br>DBKG-16                     | △<br>△<br>PX-14-CS<br>PX-14-CS                                       | DBK-14-B                                  |  |

△ Not required

# DBZM GROUP

## STRAIN-RELIEF CONNECTORS FOR FLEXIBLE CORD & CABLE

### LARGE STRAIGHT BODY, MALE THREAD

ALUMINUM BODY AND COMPRESSION NUT WITH WASHER AND SINGLE HOLE OIL-RESISTANT GROMMET



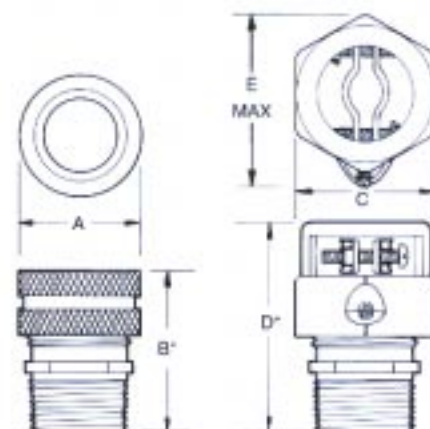
Large body DBZ connectors can be employed in retrofit or new installations. Versatility allows use in panelboards and in threaded hubs. Component parts are available separately.

Suitable for use in hazardous locations per National Electric Code Class I, Div. 2; Class II, Div. 1 & 2; Class III, Div. 1 & 2.



| CONDUIT HUB SIZE | PANEL HOLE SIZE | CORD DIAMETER RANGE IN (MM) | COMPLETE ASSEMBLY CATALOG NUMBERS |                     |                 |
|------------------|-----------------|-----------------------------|-----------------------------------|---------------------|-----------------|
|                  |                 |                             | WITH COMPRESSION NUT              | WITH MECHANICAL NUT | WITH WOVEN GRIP |
| 1-1/4"           | 1-3/4"          | .750-.875 (19.1-22.2)       | DBZM-4714                         | DBZM-4714-M         | DBZM-4714-K     |
|                  |                 | .875-1.000 (22.2-25.4)      | DBZM-4716                         | DBZM-4716-M         | DBZM-4716-K     |
|                  |                 | 1.000-1.125 (25.4-28.6)     | DBZM-4718                         | DBZM-4718-M         | DBZM-4718-K     |
|                  |                 | 1.125-1.250 (28.6-31.8)     | DBZM-4720                         | DBZM-4720-M         | DBZM-4720-K     |
|                  |                 | *1.250-1.375 (31.8-34.9)    | DBZM-4722                         | DBZM-4722-M         | DBZM-4722-K     |
| 1-1/2"           | 2"              | .750-.875 (19.1-22.2)       | DBZM-5714                         | DBZM-5714-M         | DBZM-5714-K     |
|                  |                 | .875-1.000 (22.2-25.4)      | DBZM-5716                         | DBZM-5716-M         | DBZM-5716-K     |
|                  |                 | 1.000-1.125 (25.4-28.6)     | DBZM-5718                         | DBZM-5718-M         | DBZM-5718-K     |
|                  |                 | 1.125-1.250 (28.6-31.8)     | DBZM-5720                         | DBZM-5720-M         | DBZM-5720-K     |
|                  |                 | 1.250-1.375 (31.8-34.9)     | DBZM-5722                         | DBZM-5722-M         | DBZM-5722-K     |
|                  |                 | 1.375-1.500 (34.9-38.1)     | DBZM-5824                         | DBZM-5824-M         | DBZM-5824-K     |
|                  |                 | *1.500-1.625 (38.1-41.3)    | DBZM-5826                         | DBZM-5826-M         | DBZM-5826-K     |
|                  |                 | *1.625-1.750 (41.3-44.5)    | DBZM-5828                         | DBZM-5828-M         | DBZM-5828-K     |
|                  |                 | *1.750-1.875 (44.5-47.6)    | DBZM-5830                         | DBZM-5830-M         | DBZM-5830-K     |
|                  |                 |                             |                                   |                     |                 |
| 2"               | 2-1/2"          | 1.250-1.375 (31.8-34.9)     | DBZM-6822                         | DBZM-6822-M         | DBZM-6822-K     |
|                  |                 | 1.375-1.500 (34.9-38.1)     | DBZM-6824                         | DBZM-6824-M         | DBZM-6824-K     |
|                  |                 | 1.500-1.625 (38.1-41.3)     | DBZM-6826                         | DBZM-6826-M         | DBZM-6826-K     |
|                  |                 | 1.625-1.750 (41.3-44.5)     | DBZM-6828                         | DBZM-6828-M         | DBZM-6828-K     |
|                  |                 | 1.750-1.875 (44.5-47.6)     | DBZM-6830                         | DBZM-6830-M         | DBZM-6830-K     |
| 2-1/2"           | 3"              | 1.875-2.000 (47.6-50.8)     | DBZM-7932                         | DBZM-7932-M         | DBZM-7932-K     |
|                  |                 | 2.000-2.125 (50.8-54.0)     | DBZM-7934                         | DBZM-7934-M         | DBZM-7934-K     |
|                  |                 | 2.125-2.250 (54.0-57.2)     | DBZM-7936                         | DBZM-7936-M         | DBZM-7936-K     |
|                  |                 | 2.250-2.375 (57.2-60.3)     | DBZM-7938                         | DBZM-7938-M         | DBZM-7938-K     |
| 3"               | 3-5/8"          | 1.875-2.000 (47.6-50.8)     | DBZM-8932                         | DBZM-8932-M         | DBZM-8932-K     |
|                  |                 | 2.000-2.125 (50.8-54.0)     | DBZM-8934                         | DBZM-8934-M         | DBZM-8934-K     |
|                  |                 | 2.125-2.250 (54.0-57.2)     | DBZM-8936                         | DBZM-8936-M         | DBZM-8936-K     |
|                  |                 | 2.250-2.375 (57.2-60.3)     | DBZM-8938                         | DBZM-8938-M         | DBZM-8938-K     |

\* Maximum cord size will not pass through body without removing outer jacket. Other grommets both single and multi-hole are available—see page 20.

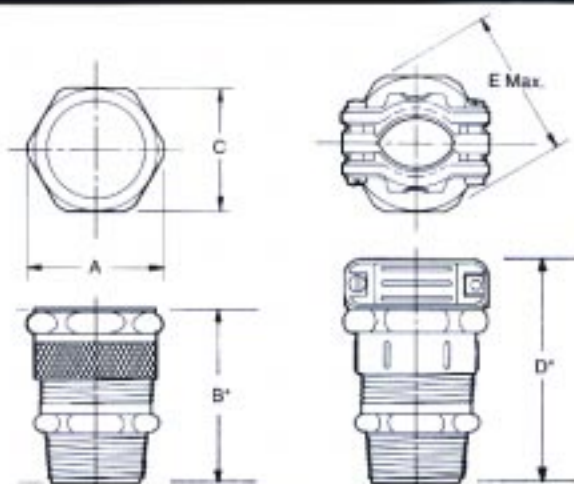


DBZ/DBM, FORMS 1, 2, 3, 5



| FORM<br>SIZE | COMPONENT PARTS CATALOG NUMBERS |                                                     |                                                               |                    |                   |                                                     |                                                                   |                   |  |
|--------------|---------------------------------|-----------------------------------------------------|---------------------------------------------------------------|--------------------|-------------------|-----------------------------------------------------|-------------------------------------------------------------------|-------------------|--|
|              | BODY<br>BORE—IN (MM)            | GROMMET                                             | PLAIN<br>WASHER                                               | COMPRESSION<br>NUT | MECHANICAL<br>NUT | WOVEN<br>GRIP                                       | WOVEN GRIP<br>WASHER                                              | WOVEN GRIP<br>NUT |  |
| 7-Z          | DBZ-47-M<br>1.31 (33.2)         | DBZ-714<br>DBZ-716<br>DBZ-718<br>DBZ-720<br>DBZ-722 | DBZ-716-W<br>DBZ-716-W<br>DBZ-720-W<br>DBZ-720-W<br>DBZ-723-W | DBZ-7-B            | DBZ-7-B           | DBKG-14<br>DBKG-16<br>DBKG-18<br>DBKG-20<br>DBKG-22 | LZW-9316-16A<br>LZW-9316-16A<br>LZW-9316-20A<br>LZW-9316-20A<br>△ | DBZ-7-B           |  |
| 7-Z          | DBZ-57-M<br>1.44 (36.6)         | DBZ-714<br>DBZ-716<br>DBZ-718<br>DBZ-720<br>DBZ-722 | DBZ-716-W<br>DBZ-716-W<br>DBZ-720-W<br>DBZ-720-W<br>DBZ-723-W | DBZ-7-B            | DBZ-7-M           | DBKG-14<br>DBKG-16<br>DBKG-18<br>DBKG-20<br>DBKG-22 | LZW-9316-16A<br>LZW-9316-16A<br>LZW-9316-20A<br>LZW-9316-20A<br>△ | DBZ-7-B           |  |
| 8-Z          | DBZ-58-M<br>1.56 (39.7)         | DBZ-824<br>DBZ-826<br>DBZ-828<br>DBZ-830            | DBZ-824-W<br>DBZ-828-W<br>DBZ-828-W<br>DBZ-831-W              | DBZ-8-B            | DBZ-8-M           | DBKG-26<br>DBKG-26<br>DBKG-28<br>DBKG-28            | △<br>△<br>△<br>△                                                  | DBZ-8-B           |  |
| 8-Z          | DBZ-68-M<br>1.94 (49.2)         | DBZ-822<br>DBZ-824<br>DBZ-826<br>DBZ-828<br>DBZ-830 | DBZ-824-W<br>DBZ-824-W<br>DBZ-828-W<br>DBZ-828-W<br>DBZ-831-W | DBZ-8-B            | DBZ-8-M           | DBKG-22<br>DBKG-26<br>DBKG-26<br>DBKG-28<br>DBKG-28 | LZW-9320-22A<br>△<br>△<br>△<br>△                                  | DBZ-8-B           |  |
| 9-Z          | DBZ-79-M<br>2.44 (62.0)         | DBZ-932<br>DBZ-934<br>DBZ-936<br>DBZ-938            | DBZ-932-W<br>DBZ-936-W<br>DBZ-936-W<br>DBZ-939-W              | DBZ-9-B            | DBZ-9-M           | DBKG-34<br>DBKG-34<br>DBKG-38<br>DBKG-38            | △<br>△<br>△<br>△                                                  | DBZ-9-B           |  |
| 9-Z          | DBZ-89-M<br>2.44 (62.0)         | DBZ-932<br>DBZ-934<br>DBZ-936<br>DBZ-938            | DBZ-932-W<br>DBZ-936-W<br>DBZ-936-W<br>DBZ-939-W              | DBZ-9-B            | DBZ-9-M           | DBKG-34<br>DBKG-34<br>DBKG-38<br>DBKG-38            | △<br>△<br>△<br>△                                                  | DBZ-9-B           |  |

△ Not required



DBZ, FORMS 7-Z, 8-Z, 9-Z

| DIMENSIONS                        | FORM SIZE |      |      |      |      |      |      |
|-----------------------------------|-----------|------|------|------|------|------|------|
|                                   | 1         | 2    | 3    | 5    | 7-2  | 8-2  | 9-2  |
| A                                 | .88       | 1.13 | 1.25 | 1.63 | 2.23 | 2.53 | 3.28 |
| B *                               | 1.53      | 1.84 | 2.06 | 2.69 | 3.22 | 3.22 | 3.91 |
| C <small>ACROSS<br/>FLATS</small> | —         | 1.38 | 1.38 | 1.75 | 2.00 | 2.50 | 3.00 |
| D *                               | —         | 2.49 | 2.69 | 3.50 | 4.02 | 4.43 | 4.88 |
| E <small>MAX</small>              | —         | 1.66 | 1.66 | 2.06 | 2.78 | 3.46 | 4.10 |

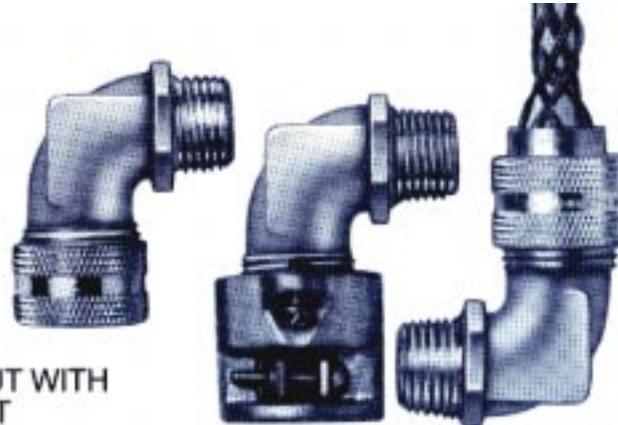
\*With nut snug, grommet not compressed.

# DBL/DBZL GROUP

## STRAIN-RELIEF CONNECTORS FOR FLEXIBLE CORD & CABLE

### 90° ELBOW BODY, MALE THREAD

FERROUS ALLOY BODY, ALUMINUM COMPRESSION NUT WITH WASHER AND SINGLE HOLE OIL-RESISTANT GROMMET



These 90° connectors allow the installation of cord and cable even in tight quarters. Rugged ferrous alloy body and aluminum compression nut assure long life in abusive situations.

Suitable for use in hazardous locations per National Electric Code Class I, Div. 2; Class II, Div. 1 & 2; Class III, Div. 1 & 2.

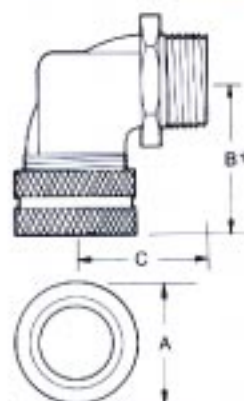


#### INSULATED THROAT OPTION:

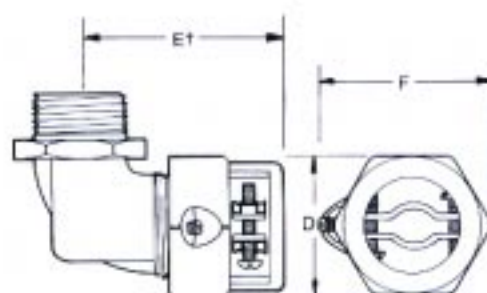
Add suffix "T" to complete assembly part numbers for 1/2"-1" only. E.g.: DBL-3514-MT.

| CONDUIT HUB SIZE | PANEL HOLE SIZE | CORD DIAMETER RANGE IN (MM) | COMPLETE ASSEMBLY CATALOG NUMBERS |                     |                 |
|------------------|-----------------|-----------------------------|-----------------------------------|---------------------|-----------------|
|                  |                 |                             | WITH COMPRESSION NUT              | WITH MECHANICAL NUT | WITH WOVEN GRIP |
| 1/2"             | 7/8"            | .125-.250 (3.17-6.35)       | DB-790                            | DBL-1204-M          | DBKL-1205       |
|                  |                 | .187-.312 (4.75-7.92)       | DB-9590                           | DBL-1205-M          | DBKL-1206       |
|                  |                 | .250-.375 (6.35-9.52)       | DB-890                            | DBL-1206-M          | DBKL-1207       |
|                  |                 | .312-.437 (7.92-11.1)       | DB-9790                           | DBL-1207-M          | DBKL-1208       |
|                  |                 | .375-.500 (9.52-12.7)       | DB-990                            | DBL-1208-M          | DBKL-1209       |
|                  |                 | *.437-.562 (11.1-14.3)      | DB-9990                           | DBL-1209-M          | DBKL-1210       |
|                  |                 | *.500-.625 (12.7-15.9)      | DB-1090                           | DBL-1210-M          | DBKL-1210       |
| 3/4"             | 1-1/8"          | .312-.375 (7.92-9.52)       | DB-113890                         | DBL-2306-M          | DBKL-2306       |
|                  |                 | .375-.437 (9.52-11.1)       | DB-1171690                        | DBL-2307-M          | DBKL-2307       |
|                  |                 | .437-.500 (11.1-12.7)       | DB-111290                         | DBL-2308-M          | DBKL-2308       |
|                  |                 | .500-.562 (12.7-14.3)       | DB-1191690                        | DBL-2309-M          | DBKL-2309       |
|                  |                 | .562-.625 (14.3-15.9)       | DB-115890                         | DBL-2310-M          | DBKL-2310       |
|                  |                 | .625-.687 (15.9-17.4)       | DB-1111690                        | DBL-2311-M          | DBKL-2311       |
|                  |                 | *.687-.750 (17.4-19.1)      | DB-1190                           | DBL-2312-M          | DBKL-2312       |
| 1"               | 1-3/8"          | .687-.812 (17.4-20.6)       | DB-141390                         | DBL-3513-M          | DBKL-3513       |
|                  |                 | .750-.875 (19.1-22.2)       | DB-147890                         | DBL-3514-M          | DBKL-3514       |
|                  |                 | .812-.937 (20.6-23.8)       | DB-14151690                       | DBL-3515-M          | DBKL-3515       |
|                  |                 | *.875-1.000 (22.2-25.4)     | DB-1490                           | DBL-3516-M          | DBKL-3516       |
| 1-1/4"           | 1-3/4"          | .750-.875 (19.1-22.2)       | DBZL-4714                         | DBZL-4714-M         | DBZL-4714-K     |
|                  |                 | .875-1.000 (22.2-25.4)      | DBZL-4716                         | DBZL-4716-M         | DBZL-4716-K     |
|                  |                 | 1.000-1.125 (25.4-28.6)     | DBZL-4718                         | DBZL-4718-M         | DBZL-4718-K     |
|                  |                 | 1.125-1.250 (28.6-31.8)     | DBZL-4720                         | DBZL-4720-M         | DBZL-4720-K     |
|                  |                 | *1.250-1.375 (31.8-34.9)    | DBZL-4722                         | DBZL-4722-M         | DBZL-4722-K     |
| 1-1/2"           | 2"              | *1.375-1.500 (34.9-38.1)    | DBZL-5824                         | DBZL-5824-M         | DBZL-5824-K     |
|                  |                 | *1.500-1.625 (38.1-41.3)    | DBZL-5826                         | DBZL-5826-M         | DBZL-5826-K     |
|                  |                 | *1.625-1.750 (41.3-44.5)    | DBZL-5828                         | DBZL-5828-M         | DBZL-5828-K     |
|                  |                 | *1.750-1.875 (44.5-47.6)    | DBZL-5830                         | DBZL-5830-M         | DBZL-5830-K     |
| 2"               | 2-1/2"          | *1.375-1.500 (34.9-38.1)    | DBZL-6824                         | DBZL-6824-M         | DBZL-6824-K     |
|                  |                 | *1.500-1.625 (38.1-41.3)    | DBZL-6826                         | DBZL-6826-M         | DBZL-6826-K     |
|                  |                 | *1.625-1.750 (41.3-44.5)    | DBZL-6828                         | DBZL-6828-M         | DBZL-6828-K     |
|                  |                 | *1.750-1.875 (44.5-47.6)    | DBZL-6830                         | DBZL-6830-M         | DBZL-6830-K     |

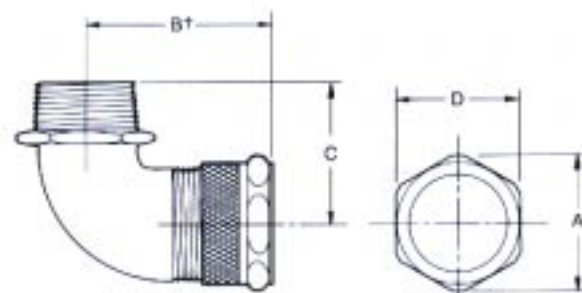
\*Maximum cord size will not pass through body without removing outer jacket. Other grommets both single and multi-hole are available—see page 20.



DBL, FORMS 2, 3, 5



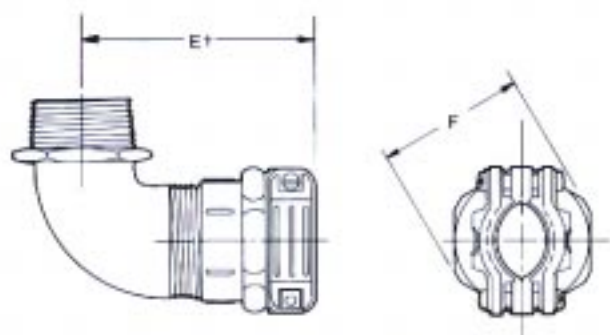
DBZL, FORMS 7-Z, 8-Z





| FORM<br>SIZE | COMPONENT PARTS CATALOG NUMBERS |                                                                           |                                                               |                    |                   |                                                                        |                                                                                |                   |  |
|--------------|---------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------|--------------------|-------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------|--|
|              | BODY<br>BORE—IN (MM)            | GROMMET                                                                   | PLAIN<br>WASHER                                               | COMPRESSION<br>NUT | MECHANICAL<br>NUT | WOVEN<br>GRIP                                                          | WOVEN GRIP<br>WASHER                                                           | WOVEN GRIP<br>NUT |  |
| 2            | DB-990-A<br>.56 (14.3)          | DB-9-F<br>DB-9-V<br>DB-9-E<br>DB-9-J<br>DB-9-D<br>DB-9-U<br>DB-9-C        | PX-8-CS                                                       | DB-9-B             | PX-10             | DBKG-5<br>DBKG-6<br>DBKG-8<br>DBKG-8<br>DBKG-10<br>DBKG-10             | △<br>△<br>△<br>△<br>△<br>PX-8-CS                                               | DBK-9-B           |  |
| 3            | DB-1190-A<br>.75 (19.1)         | DB-11-V<br>DB-11-E<br>DB-11-D<br>DB-11-R<br>DB-11-K<br>DB-11-O<br>DB-11-C | PX-11-CS                                                      | DB-11-B            | PX-11             | DBKG-6<br>DBKG-8<br>DBKG-8<br>DBKG-10<br>DBKG-10<br>DBKG-12<br>DBKG-12 | DBK-11-W<br>DBK-11-W<br>DBK-11-W<br>DBK-11-W<br>DBK-11-W<br>PX-11-C<br>PX-11-C | DBK-11-B          |  |
| 5            | DB-1490-A<br>1.03 (26.2)        | DB-14-K<br>DB-14-H<br>DB-14-L<br>DB-14-C                                  | PX-14-CS                                                      | DB-14-B            | PX-14             | DBKG-14<br>DBKG-14<br>DBKG-16<br>DBKG-16                               | △<br>△<br>PX-14-CS<br>PX-14-CS                                                 | DBK-14-B          |  |
| 7-Z          | DBZ-47-L<br>1.25 (31.8)         | DBZ-714<br>DBZ-716<br>DBZ-718<br>DBZ-720<br>DBZ-722                       | DBZ-716-W<br>DBZ-716-W<br>DBZ-720-W<br>DBZ-720-W<br>DBZ-723-W | DBZ-7-B            | DBZ-7-M           | DBKG-14<br>DBKG-16<br>DBKG-18<br>DBKG-20<br>DBKG-22                    | LZW-9316-16A<br>LZW-9316-16A<br>LZW-9316-20A<br>LZW-9316-20A<br>△              | DBZ-7-B           |  |
| 8-Z          | DBZ-58-L<br>1.44 (36.6)         | DBZ-824<br>DBZ-826<br>DBZ-828<br>DBZ-830                                  | DBZ-824-W<br>DBZ-828-W<br>DBZ-828-W<br>DBZ-831-W              | DBZ-8-B            | DBZ-8-M           | DBKG-26<br>DBKG-26<br>DBKG-28<br>DBKG-28                               | △<br>△<br>△<br>△                                                               | DBZ-8-B           |  |
| 8-Z          | DBZ-68-L<br>1.88 (47.7)         | DBZ-824<br>DBZ-826<br>DBZ-828<br>DBZ-830                                  | DBZ-824-W<br>DBZ-828-W<br>DBZ-828-W<br>DBZ-831-W              | DBZ-8-B            | DBZ-8-M           | DBKG-26<br>DBKG-26<br>DBKG-28<br>DBKG-28                               | △<br>△<br>△<br>△                                                               | DBZ-8-B           |  |

△ Not required



| DIMENSIONS     | FORM SIZE |      |      |      |      |
|----------------|-----------|------|------|------|------|
|                | 2         | 3    | 5    | 7-Z  | 8-Z  |
| A              | 1.13      | 1.25 | 1.63 | 2.23 | 2.53 |
| B†             | 1.88      | 1.86 | 2.94 | 3.28 | 3.78 |
| C              | 1.44      | 1.56 | 2.00 | 2.38 | 2.88 |
| D ACROSS FLATS | 1.38      | 1.38 | 1.75 | 2.00 | 2.50 |
| E†             | 2.53      | 2.51 | 3.75 | 4.12 | 4.69 |
| F MAX          | 1.66      | 1.66 | 2.06 | 2.78 | 3.46 |

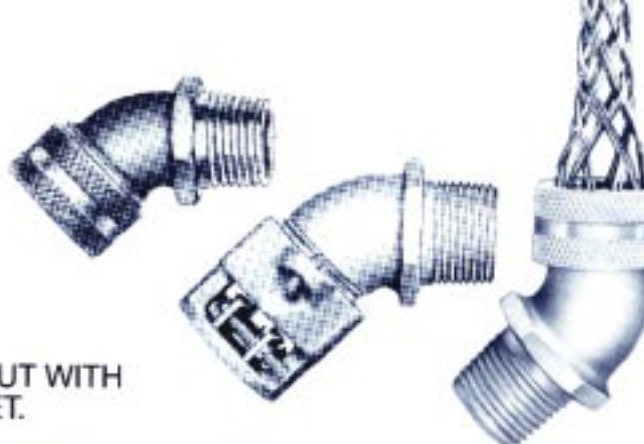
† With nut snug, grommet not compressed.

# DBA GROUP

## STRAIN-RELIEF CONNECTORS FOR FLEXIBLE CORD & CABLE

### 45° ELBOW, MALE THREAD

FERROUS ALLOY BODY, ALUMINUM COMPRESSION NUT WITH WASHER AND SINGLE HOLE OIL-RESISTANT GROMMET.



Customize your installation with our 45° DBA connectors. Like the DBL, the steel body and aluminum compression nut will provide many years of trouble free service.

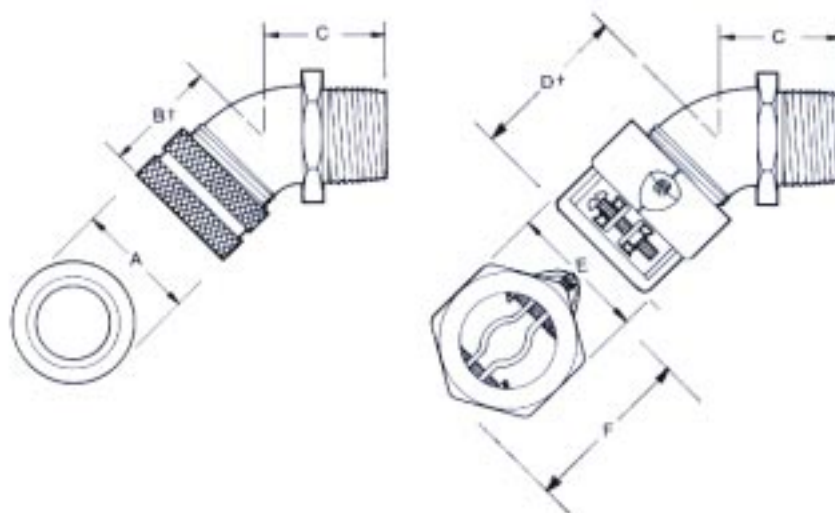


#### INSULATED THROAT OPTION:

Add suffix "T" to all complete assembly part numbers on this page. E.g.: DBKA-3513T.

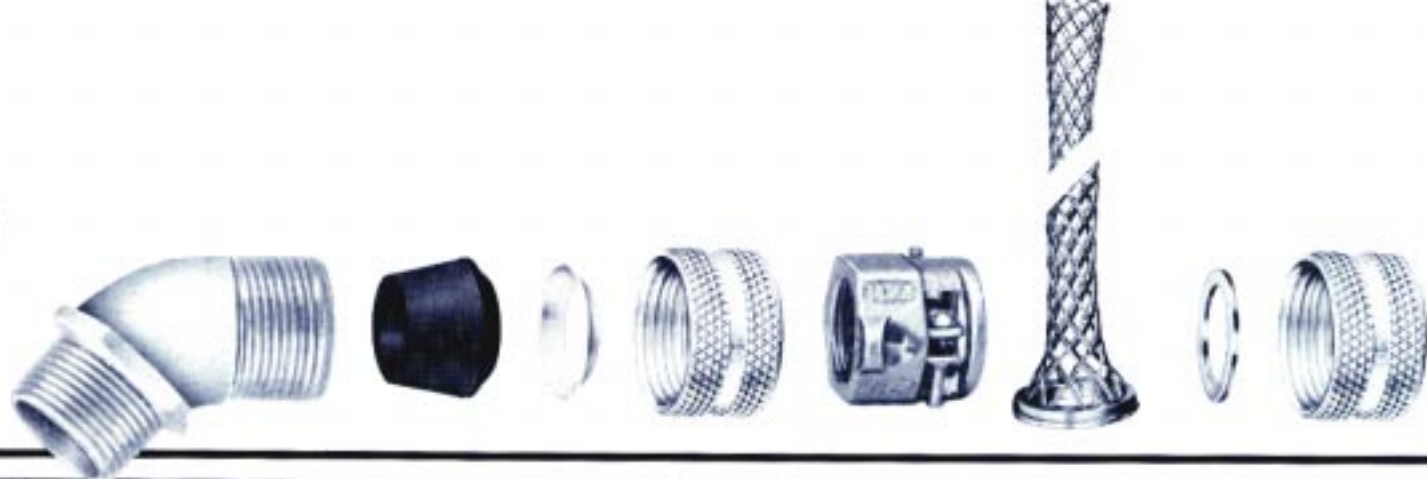
| CONDUIT HUB SIZE | PANEL HOLE SIZE | CORD DIAMETER RANGE IN (MM) | COMPLETE ASSEMBLY CATALOG NUMBERS |                     |                 |
|------------------|-----------------|-----------------------------|-----------------------------------|---------------------|-----------------|
|                  |                 |                             | WITH COMPRESSION NUT              | WITH MECHANICAL NUT | WITH WOVEN GRIP |
| 1/2"             | 7/8"            | .125-.250 (3.17-6.35)       | DB-745                            | DBA-1204-M          | .....           |
|                  |                 | .187-.312 (4.75-7.92)       | DB-9545                           | DBA-1205-M          | DBKA-1205       |
|                  |                 | .250-.375 (6.35-9.52)       | DB-845                            | DBA-1206-M          | DBKA-1206       |
|                  |                 | .312-.437 (7.92-11.1)       | DB-9745                           | DBA-1207-M          | DBKA-1207       |
|                  |                 | .375-.500 (9.52-12.7)       | DB-945                            | DBA-1208-M          | DBKA-1208       |
|                  |                 | *.437-.562 (11.1-14.3)      | DB-9945                           | DBA-1209-M          | DBKA-1209       |
|                  |                 | *.500-.625 (12.7-15.9)      | DB-1045                           | DBA-1201-M          | DBKA-1210       |
| 3/4"             | 1-1/8"          | .312-.375 (7.92-9.52)       | DB-113845                         | DBA-2306-M          | DBKA-2306       |
|                  |                 | .375-.437 (9.52-11.1)       | DB-1171645                        | DBA-2307-M          | DBKA-2307       |
|                  |                 | .437-.500 (11.1-12.7)       | DB-111245                         | DBA-2308-M          | DBKA-2308       |
|                  |                 | .500-.562 (12.7-14.3)       | DB-1191645                        | DBA-2309-M          | DBKA-2309       |
|                  |                 | .562-.625 (14.3-15.9)       | DB-115845                         | DBA-2310-M          | DBKA-2310       |
|                  |                 | .625-.687 (15.9-17.4)       | DB-1111645                        | DBA-2311-M          | DBKA-2311       |
|                  |                 | *.687-.750 (17.4-19.1)      | DB-1145                           | DBA-2312-M          | DBKA-2312       |
| 1"               | 1-3/8"          | .687-.812 (17.4-14.2)       | DB-141345                         | DBA-3513-M          | DBKA-3513       |
|                  |                 | .750-.875 (19.1-19.1)       | DB-147845                         | DBA-3514-M          | DBKA-3514       |
|                  |                 | .812-.937 (14.2-23.8)       | DB-14151645                       | DBA-3515-M          | DBKA-3515       |
|                  |                 | *.875-1.000 (19.1-25.4)     | DB-1445                           | DBA-3516-M          | DBKA-3516       |

\*Maximum cord size will not pass through body without removing outer jacket. Other grommets both single and multi-hole are available—see page 20.



| DIMENSIONS     | FORM SIZE |      |      |
|----------------|-----------|------|------|
|                | 2         | 3    | 5    |
| A              | 1.13      | 1.25 | 1.63 |
| B †            | 1.31      | 1.56 | 2.31 |
| C              | 1.31      | 1.38 | 1.44 |
| D †            | 1.96      | 2.21 | 3.12 |
| E ACROSS FLATS | 1.38      | 1.38 | 1.75 |
| F MAX          | 1.66      | 1.66 | 2.06 |

† With nut snug, grommet not compressed.



| FORM<br>SIZE | BODY<br>BORE—IN (MM)     | COMPONENT PARTS CATALOG NUMBERS |                 |                    |                   |               |                      |                   |
|--------------|--------------------------|---------------------------------|-----------------|--------------------|-------------------|---------------|----------------------|-------------------|
|              |                          | GROMMET                         | PLAIN<br>WASHER | COMPRESSION<br>NUT | MECHANICAL<br>NUT | WOVEN<br>GRIP | WOVEN GRIP<br>WASHER | WOVEN GRIP<br>NUT |
| 2            | DB-945-A<br>.56 (14.3)   | DB-9-F                          | PX-8-CS         | DB-9-B             | PX-10             | DBKG-5        | △                    | DBK-9-B           |
|              |                          | DB-9-V                          |                 |                    |                   | DBKG-6        | △                    |                   |
|              |                          | DB-9-E                          |                 |                    |                   | DBKG-8        | △                    |                   |
|              |                          | DB-9-J                          |                 |                    |                   | DBKG-8        | △                    |                   |
|              |                          | DB-9-D                          |                 |                    |                   | DBKG-10       | △                    |                   |
|              |                          | DB-9-U                          |                 |                    |                   | DBKG-10       | △                    |                   |
| 3            | DB-1145-A<br>.75 (19.1)  | DB-9-C                          | PX-11-CS        | DB-11-B            | PX-11             | DBKG-10       | PX-8-C               | DBK-11-B          |
|              |                          | DB-11-V                         |                 |                    |                   | DBKG-6        | DBK-11-W             |                   |
|              |                          | DB-11-E                         |                 |                    |                   | DBKG-8        | DBK-11-W             |                   |
|              |                          | DB-11-D                         |                 |                    |                   | DBKG-8        | DBK-11-W             |                   |
|              |                          | DB-11-R                         |                 |                    |                   | DBKG-10       | DBK-11-W             |                   |
|              |                          | DB-11-K                         |                 |                    |                   | DBKG-10       | DBK-11-W             |                   |
|              |                          | DB-11-O                         |                 |                    |                   | DBKG-12       | PX-11-CS             |                   |
|              |                          | DB-11-C                         |                 |                    |                   | DBKG-12       | PX-11-CS             |                   |
| 5            | DB-1445-A<br>1.03 (26.2) | DB-14-K                         | PX-14-CS        | DB-14-B            | PX-14             | DBKG-14       | △                    | DBK-14-B          |
|              |                          | DB-14-H                         |                 |                    |                   | DBKG-14       | △                    |                   |
|              |                          | DB-14-L                         |                 |                    |                   | DBKG-16       | PX-14-CS             |                   |
|              |                          | DB-14-C                         |                 |                    |                   | DBKG-16       | PX-14-CS             |                   |

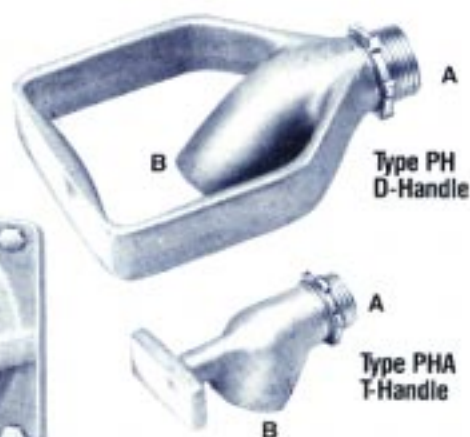
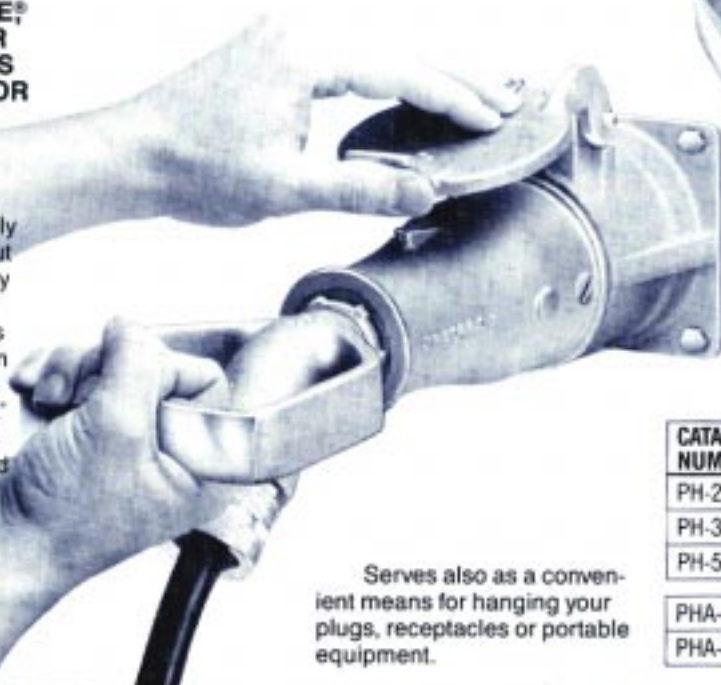
△ Not Required

## CORD GRIP HANDLES

FOR USE WITH  
QUELARC®, STAR-LINE®,  
NEPLOC® AND OTHER  
ELECTRICAL DEVICES  
THAT ARE TAPPED FOR  
CONDUIT AND USE  
FLEXIBLE CORD OR  
CABLE.

These handles not only  
fit electrical connectors, but  
will also work well on heavy  
duty portable equipment.

Both D and T Handles  
are made of cast aluminum  
and come complete with a  
locknut on male thread "A."  
Hub "B" accepts type DB  
cord grips with male thread  
(not included).



Serves also as a conven-  
ient means for hanging your  
plugs, receptacles or portable  
equipment.

| CATALOG<br>NUMBER | "A" MALE<br>THREAD | "B" FEMALE<br>THREAD |
|-------------------|--------------------|----------------------|
| PH-2              | 3/4"               | 3/4"                 |
| PH-3              | 1"                 | 1"                   |
| PH-5              | 1 1/2"             | 1 1/2"               |
| PHA-22            | 3/4"               | 3/4"                 |
| PHA-33            | 1"                 | 1"                   |

# DBF GROUP

## STRAIN-RELIEF CONNECTORS FOR FLEXIBLE CORD & CABLE

### STRAIGHT BODY, FEMALE THREAD

ALUMINUM BODY AND COMPRESSION NUT WITH SINGLE HOLE OIL-RESISTANT GROMMET



For panelboard and bulk-head installations, as well as for drop cords and cables from overhead power sources. Also for mounting to existing threaded conduit and to conduit nipples.



LISTED

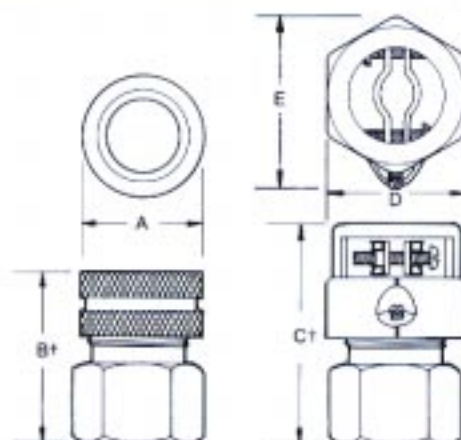
File No. E53509



CERTIFIED

File No. LR-64107

| CONDUIT HUB SIZE | PANEL HOLE SIZE | CORD DIAMETER RANGE IN (MM) | COMPLETE ASSEMBLY CATALOG NUMBERS |                     |                 |
|------------------|-----------------|-----------------------------|-----------------------------------|---------------------|-----------------|
|                  |                 |                             | WITH COMPRESSION NUT              | WITH MECHANICAL NUT | WITH WOVEN GRIP |
| 3/8"             | 1 1/16"         | .125-.187 (3.17-4.75)       | DBF-4316                          | .....               | .....           |
|                  |                 | .187-.250 (4.75-6.35)       | DBF-414                           | .....               | .....           |
|                  |                 | .250-.312 (6.35-7.92)       | DBF-4516                          | .....               | .....           |
|                  |                 | .312-.375 (7.92-9.52)       | DBF-438                           | .....               | .....           |
|                  |                 | .375-.437 (9.52-11.1)       | DBF-4                             | .....               | .....           |
| 1/2"             | 7/8"            | .125-.187 (3.17-4.75)       | DBF-3316                          | Use Form 2          | Use Form 2      |
|                  |                 | .187-.250 (4.75-6.35)       | DBF-314                           |                     |                 |
|                  |                 | .250-.312 (6.35-7.92)       | DBF-3516                          |                     |                 |
|                  |                 | .312-.375 (7.92-9.52)       | DBF-338                           |                     |                 |
|                  |                 | .375-.437 (9.52-11.1)       | DBF-3                             |                     |                 |
|                  |                 | .125-.250 (3.17-6.35)       | DBF-7                             | DBF-1204-M          | .....           |
|                  |                 | .187-.312 (4.75-7.92)       | DBF-9516                          | DBF-1205-M          | DBKF-1205       |
|                  |                 | .250-.375 (6.35-9.52)       | DBF-8                             | DBF-1206-M          | DBKF-1206       |
|                  |                 | .312-.437 (7.92-11.1)       | DBF-9716                          | DBF-1207-M          | DBKF-1207       |
|                  |                 | .375-.500 (9.52-12.7)       | DBF-9                             | DBF-1208-M          | DBKF-1208       |
| 3/4"             | 1-1/8"          | .437-.562 (11.1-14.3)       | DBF-9916                          | DBF-1209-M          | DBKF-1209       |
|                  |                 | .500-.625 (12.7-15.9)       | DBF-10                            | DBF-1210-M          | DBKF-1210       |
|                  |                 | .125-.250 (3.17-6.35)       | DBF-614                           | DBF-2204-M          | .....           |
|                  |                 | .187-.312 (4.75-7.92)       | DBF-6516                          | DBF-2205-M          | DBKF-2205       |
|                  |                 | .250-.375 (6.35-9.52)       | DBF-638                           | DBF-2206-M          | DBKF-2206       |
|                  |                 | .312-.437 (7.92-11.1)       | DBF-6716                          | DBF-2207-M          | DBKF-2207       |
|                  |                 | .375-.500 (9.52-12.7)       | DBF-612                           | DBF-2208-M          | DBKF-2208       |
|                  |                 | .437-.562 (11.1-14.3)       | DBF-6916                          | DBF-2209-M          | DBKF-2209       |
|                  |                 | .500-.625 (12.7-15.9)       | DBF-6                             | DBF-2210-M          | DBKF-2210       |
|                  |                 | .625-.687 (15.9-17.4)       | DBF-111116                        | DBF-2311-M          | DBKF-2311       |
| 1"               | 1-3/8"          | .687-.750 (17.4-19.1)       | DBF-11                            | DBF-2312-M          | DBKF-2312       |
|                  |                 | .687-.812 (17.4-20.6)       | DBF-1413                          | DBF-3513-M          | DBKF-3513       |
|                  |                 | .750-.875 (19.1-22.2)       | DBF-1478                          | DBF-3514-M          | DBKF-3514       |
|                  |                 | .812-.937 (20.6-23.8)       | DBF-141516                        | DBF-3515-M          | DBKF-3515       |
|                  |                 | .875-1.000 (22.2-25.4)      | DBF-14                            | DBF-3516-M          | DBKF-3516       |



| DIMENSIONS | FORM SIZE |      |      |      |
|------------|-----------|------|------|------|
|            | 1         | 2    | 3    | 5    |
| A          | .88       | 1.13 | 1.25 | 1.63 |
| B†         | 1.53      | 1.84 | 2.05 | 2.59 |
| C†         | —         | 2.49 | 2.70 | 3.40 |
| D          | —         | 1.38 | 1.38 | 1.75 |
| E MAX      | —         | 1.66 | 1.66 | 2.06 |

†With nut snug, grommet not compressed.

\*Flared nipple not included unless specially ordered. See page 15 for ordering information.



|  | FORM<br>SIZE | COMPONENT PARTS CATALOG NUMBERS |                                                                    |                 |                    |                                           |                                                            |                                           |                                           |                   |
|--|--------------|---------------------------------|--------------------------------------------------------------------|-----------------|--------------------|-------------------------------------------|------------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------|
|  |              | BODY<br>BORE—IN (MM)            | GROMMET                                                            | PLAIN<br>WASHER | COMPRESSION<br>NUT | MECHANICAL<br>NUT                         | WOVEN<br>GRIP                                              | WOVEN GRIP<br>WASHER                      | WOVEN GRIP<br>NUT                         | FLARED<br>NIPPLE* |
|  | 1            | DBF-4-A<br>.440 (11.2)          | DB-4-F<br>DB-4-J<br>DB-4-D<br>DB-4-E<br>DB-4-C                     | PX-4-CS         | DB-4-B             | .....<br>.....<br>.....<br>.....<br>..... | .....<br>.....<br>.....<br>.....<br>.....                  | .....<br>.....<br>.....<br>.....<br>..... | .....<br>.....<br>.....<br>.....<br>..... | DH-38             |
|  | 1            | DBF-3-A<br>.440 (11.2)          | DB-4-F<br>DB-4-J<br>DB-4-D<br>DB-4-E<br>DB-4-C                     | PX-4-CS         | DB-4-B             | .....<br>.....<br>.....<br>.....<br>..... | .....<br>.....<br>.....<br>.....<br>.....                  | .....<br>.....<br>.....<br>.....<br>..... | .....<br>.....<br>.....<br>.....<br>..... | DH-1              |
|  | 2            | DBF-9-A<br>.620 (15.7)          | DB-9-F<br>DB-9-V<br>DB-9-E<br>DB-9-J<br>DB-9-D<br>DB-9-V<br>DB-9-C | PX-8-CS         | DB-9-B             | PX-10                                     | DBKG-5<br>DBKG-6<br>DBKG-8<br>DBKG-8<br>DBKG-10<br>DBKG-10 | .....<br>△<br>△<br>△<br>△<br>△<br>PX-8-CS | DBK-9-B                                   | DH-1              |
|  | 2            | DBF-6-A<br>.620 (15.7)          | DB-9-F<br>DB-9-V<br>DB-9-E<br>DB-9-J<br>DB-9-D<br>DB-9-V<br>DB-9-C | PX-8-CS         | DB-9-B             | PX-10                                     | DBKG-5<br>DBKG-6<br>DBKG-8<br>DBKG-8<br>DBKG-10<br>DBKG-10 | .....<br>△<br>△<br>△<br>△<br>△<br>PX-8-CS | DBK-9-B                                   | DH-2              |
|  | 3            | DBA-11-A<br>.750 (19.1)         | DB-11-O<br>DB-11-C                                                 | PX-11-CS        | DB-11-B            | PX-11                                     | DBKG-12<br>DBKG-12                                         | PX-11-CS<br>PX-11-CS                      | DBK-11-B                                  | DH-2              |
|  | 5            | DBF-14-A<br>1.030 (26.2)        | DB-14-K<br>DB-14-H<br>DB-14-L<br>DB-14-C                           | PX-14-CS        | DB-14-B            | PX-14                                     | DBKG-14<br>DBKG-14<br>DBKG-16<br>DBKG-16                   | △<br>△<br>PX-14-CS<br>PX-14-CS            | DBK-14-B                                  | DH-3              |

#### \*FLARED NIPPLE

Used for mounting type DBF connectors on sheet metal boxes and cabinets, and for drop cords/cables from overhead power distribution ducts.

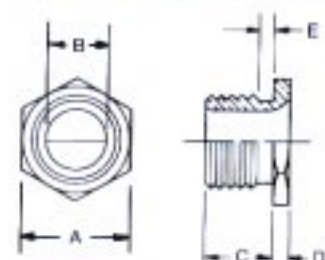
\*Flared Nipple not included unless specially ordered. To include flared nipple with assembly change catalog numbers as follows:

- with compression nut, change DBF to DHF.
- with mechanical nut, change DBF to DBH.
- with weave grip, change DBKF to DBKH.

| HUB<br>SIZE | MAX. PANEL<br>THICKNESS | CAT.<br>NO. | DIMENSIONS |      |     |     |     |      |
|-------------|-------------------------|-------------|------------|------|-----|-----|-----|------|
|             |                         |             | A          | B    | C   | D   | E   | F    |
| 3/8"        | 1/8"                    | DH-38       | .86        | .44  | .33 | .12 | .09 | .69  |
| 1/2"        | 3/16"                   | DH-1        | 1.00       | .56  | .44 | .12 | .12 | .86  |
| 3/4"        | 3/16"                   | DH-2        | 1.25       | .80  | .44 | .12 | .12 | 1.09 |
| 1"          | 1/4"                    | DH-3        | 1.50       | 1.00 | .56 | .19 | .16 | 1.36 |



F—Recommended minimum clearance (Standard knockouts satisfactory).





| FORM<br>SIZE | COMPONENT PARTS CATALOG NUMBERS |                                                                           |                                                                                         |                    |                   |                                                             |                                                                   |                   |  |
|--------------|---------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------|-------------------|-------------------------------------------------------------|-------------------------------------------------------------------|-------------------|--|
|              | BODY<br>BORE—IN (MM)            | GROMMET                                                                   | PLAIN<br>WASHER                                                                         | COMPRESSION<br>NUT | MECHANICAL<br>NUT | WOVEN<br>GRIP                                               | WOVEN GRIP<br>WASHER                                              | WOVEN GRIP<br>NUT |  |
| 5-Z          | DBZ-5-P<br>.937 (23.8)          | DBZ-502<br>DBZ-504<br>DBZ-506<br>DBZ-508<br>DBZ-510<br>DBZ-512<br>DBZ-514 | DBZ-504-W<br>DBZ-504-W<br>DBZ-508-W<br>DBZ-508-W<br>DBZ-512-W<br>DBZ-512-W<br>DBZ-515-W | DBZ-5-B            | DBZ-5-M           | DBKG-6<br>DBKG-8<br>DBKG-10<br>DBKG-12<br>DBKG-14-Z         | LZW-9312-10A<br>LZW-9312-10A<br>LZW-9312-12A<br>LZW-9312-12A<br>△ | DBZ-5-B           |  |
| 7-Z          | DBZ-7-P<br>1.437 (36.5)         | DBZ-714<br>DBZ-716<br>DBZ-718<br>DBZ-720<br>DBZ-722                       | DBZ-716-W<br>DBZ-716-W<br>DBZ-720-W<br>DBZ-720-W<br>DBZ-723-W                           | DBZ-7-B            | DBZ-7-M           | DBKG-14<br>DBKG-16<br>DBKG-18<br>DBKG-20<br>DBKG-22         | LZW-9316-16A<br>LZW-9316-16A<br>LZW-9316-20A<br>LZW-9316-20A<br>△ | DBZ-7-B           |  |
| 8-Z          | DBZ-8-P<br>1.937 (49.2)         | DBZ-822<br>DBZ-824<br>DBZ-826<br>DBZ-828<br>DBZ-830                       | DBZ-824-W<br>DBZ-824-W<br>DBZ-828-W<br>DBZ-828-W<br>DBZ-831-W                           | DBZ-8-B            | DBZ-8-M           | DBKG-22<br>DBKG-26<br>DBKG-26<br>DBKG-28<br>DBKG-28         | LZW-9320-22A<br>△<br>△<br>△<br>△                                  | DBZ-8-B           |  |
| 9-Z          | DBZ-9-P<br>2.437 (61.9)         | DBZ-930<br>DBZ-932<br>DBZ-934<br>DBZ-936<br>DBZ-938                       | DBZ-932-W<br>DBZ-932-W<br>DBZ-936-W<br>DBZ-936-W<br>DBZ-939-W                           | DBZ-9-B            | DBZ-9-M           | DBKG-28<br>DBKG-34<br>DBKG-34<br>DBKG-38<br>DBKG-38         | LZW-9324-28A<br>△<br>△<br>△<br>△                                  | DBZ-9-B           |  |
| 10-Z         | DBZ-10-P<br>2.875 (73.0)        | DBZ-1038<br>DBZ-1040<br>DBZ-1042<br>DBZ-1044<br>DBZ-1046                  | DBZ-1040-W<br>DBZ-1040-W<br>DBZ-1044-W<br>DBZ-1044-W<br>DBZ-1046-W                      | DBZ-10-B           | DBZ-10-M          | DBKG-38<br>DBKG-40-Z<br>DBKG-46-Z<br>DBKG-46-Z<br>DBKG-46-Z | LZW-9328-38A<br>△<br>△<br>△<br>△                                  | DBZ-10-B          |  |

△ Not required

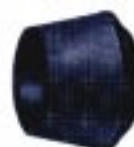


|  | FORM<br>SIZE | COMPONENT PARTS CATALOG NUMBERS |                                                                           |                                                                                         |                    |                           |                                                              |                                                                            |                           |
|--|--------------|---------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------|---------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|
|  |              | BODY<br>BORE—IN (MM)            | GROMMET                                                                   | PLAIN<br>WASHER                                                                         | COMPRESSION<br>NUT | MECHANICAL<br>NUT         | WOVEN<br>GRIP                                                | WOVEN GRIP<br>WASHER                                                       | WOVEN GRIP<br>NUT         |
|  | 5-Z          | DBZ-5-P<br>.937 (23.8)          | DBZ-502<br>DBZ-504<br>DBZ-506<br>DBZ-508<br>DBZ-510<br>DBZ-512<br>DBZ-514 | DBZ-504-W<br>DBZ-504-W<br>DBZ-508-W<br>DBZ-508-W<br>DBZ-512-W<br>DBZ-512-W<br>DBZ-515-W | DBZ-5-B            | .....<br>.....<br>DBZ-5-M | .....<br>DBKG-6<br>DBKG-8<br>DBKG-10<br>DBKG-12<br>DBKG-14-Z | .....<br>LZW-9312-10A<br>LZW-9312-10A<br>LZW-9312-12A<br>LZW-9312-12A<br>△ | .....<br>.....<br>DBZ-5-B |
|  | 7-Z          | DBZ-7-P<br>1.437 (36.5)         | DBZ-714<br>DBZ-716<br>DBZ-718<br>DBZ-720<br>DBZ-722                       | DBZ-716-W<br>DBZ-716-W<br>DBZ-720-W<br>DBZ-720-W<br>DBZ-723-W                           | DBZ-7-B            | DBZ-7-M                   | DBKG-14<br>DBKG-16<br>DBKG-18<br>DBKG-20<br>DBKG-22          | LZW-9316-16A<br>LZW-9316-16A<br>LZW-9316-20A<br>LZW-9316-20A<br>△          | DBZ-7-B                   |
|  | 8-Z          | DBZ-8-P<br>1.937 (49.2)         | DBZ-822<br>DBZ-824<br>DBZ-826<br>DBZ-828<br>DBZ-830                       | DBZ-824-W<br>DBZ-824-W<br>DBZ-828-W<br>DBZ-828-W<br>DBZ-831-W                           | DBZ-8-B            | DBZ-8-M                   | DBKG-22<br>DBKG-26<br>DBKG-26<br>DBKG-28<br>DBKG-28          | LZW-9320-22A<br>△<br>△<br>△<br>△                                           | DBZ-8-B                   |
|  | 9-Z          | DBZ-9-P<br>2.437 (61.9)         | DBZ-930<br>DBZ-932<br>DBZ-934<br>DBZ-936<br>DBZ-938                       | DBZ-932-W<br>DBZ-932-W<br>DBZ-936-W<br>DBZ-936-W<br>DBZ-939-W                           | DBZ-9-B            | DBZ-9-M                   | DBKG-28<br>DBKG-34<br>DBKG-34<br>DBKG-38<br>DBKG-38          | LZW-9324-28A<br>△<br>△<br>△<br>△                                           | DBZ-9-B                   |
|  | 10-Z         | DBZ-10-P<br>2.875 (73.0)        | DBZ-1038<br>DBZ-1040<br>DBZ-1042<br>DBZ-1044<br>DBZ-1046                  | DBZ-1040-W<br>DBZ-1040-W<br>DBZ-1044-W<br>DBZ-1044-W<br>DBZ-1046-W                      | DBZ-10-B           | DBZ-10-M                  | DBKG-38<br>DBKG-40-Z<br>DBKG-46-Z<br>DBKG-46-Z<br>DBKG-46-Z  | LZW-9328-38A<br>△<br>△<br>△<br>△                                           | DBZ-10-B                  |

△ Not required

# GROMMETS

## FOR DB/DBZ SERIES CONNECTORS



MOLDED OIL-RESISTANT SYNTHETIC RUBBER

These tapered grommets fit in the tapered bodies of all appropriate DB Series metallic connectors. They provide strain-relief by gripping the cord jacket inside the grommet, and efficiently seal out water and oil from internal connections.

Pyle-National rubber grommets are specially compounded and molded to resist age-hardening, adding many more years to the life of installations.



| CABLE RANGE (inches) | FORM 1 | FORM 2 | FORM 3  | FORM 5  | FORM 5Z | FORM 7Z | FORM 8Z | FORM 9Z | FORM 10Z |
|----------------------|--------|--------|---------|---------|---------|---------|---------|---------|----------|
| BLANK                | DB-4-Z | DB-9-Z | DB-11-Z |         |         |         |         |         |          |
| .062-.125            |        |        |         |         | DBZ-502 |         |         |         |          |
| .125-.187            | DB-4-F |        |         |         | DBZ-504 |         |         |         |          |
| .125-.250            |        | DB-9-F |         |         |         |         |         |         |          |
| .187-.250            | DB-4-J |        |         |         |         |         |         |         |          |
| .187-.312            |        | DB-9-V |         |         |         |         |         |         |          |
| .250-.312            | DB-4-D |        | DB-11-X |         | DBZ-506 | DBZ-706 |         |         |          |
| .250-.375            |        | DB-9-E |         |         |         |         |         |         |          |
| .312-.375            | DB-4-E |        | DB-11-4 |         |         |         |         |         |          |
| .312-.437            |        | DB-9-J |         | DB-14-N |         |         |         |         |          |
| .375-.437            | DB-4-C |        | DB-11-E |         |         |         |         |         |          |
| .375-.500            |        | DB-9-D |         |         | DBZ-508 | DBZ-708 |         |         |          |
| .437-.500            |        |        | DB-11-D |         |         |         |         |         |          |
| .437-.562            |        | DB-9-U |         | DB-14-M |         |         |         |         |          |
| .500-.562            |        |        | DB-11-R |         |         |         |         |         |          |
| .500-.625            |        | DB-9-C |         |         | DBZ-510 | DBZ-710 | DBZ-810 |         |          |
| .562-.625            |        |        | DB-11-K |         |         |         |         |         |          |
| .562-.687            |        |        |         | DB-14-E |         |         |         |         |          |
| .625-.687            |        |        | DB-11-O |         |         |         |         |         |          |
| .625-.750            |        |        | DB-11-C | DB-14-J | DBZ-512 | DBZ-712 | DBZ-812 |         |          |
| .687-.750            |        |        |         |         |         |         |         |         |          |
| .687-.812            |        |        |         | DB-14-K |         |         |         |         |          |
| .750-.875            |        |        |         | DB-14-H | DBZ-514 | DBZ-714 | DBZ-814 |         |          |
| .812-.937            |        |        |         | DB-14-L |         |         |         |         |          |
| .875-.937            |        |        |         |         | DBZ-515 |         |         |         |          |
| .875-1.000           |        |        |         | DB-14-C |         | DBZ-716 | DBZ-816 | DBZ-916 |          |
| 1.000-1.125          |        |        |         |         |         | DBZ-718 | DBZ-818 | DBZ-918 |          |
| 1.125-1.250          |        |        |         |         |         | DBZ-720 | DBZ-820 | DBZ-920 |          |
| 1.250-1.375          |        |        |         |         |         | DBZ-722 | DBZ-822 | DBZ-922 |          |
| 1.375-1.437          |        |        |         |         |         | DBZ-723 |         |         |          |
| 1.375-1.500          |        |        |         |         |         |         | DBZ-824 | DBZ-924 |          |
| 1.500-1.625          |        |        |         |         |         |         | DBZ-826 | DBZ-926 |          |
| 1.625-1.750          |        |        |         |         |         |         | DBZ-828 | DBZ-928 |          |
| 1.750-1.875          |        |        |         |         |         |         | DBZ-830 | DBZ-930 |          |
| 1.875-1.937          |        |        |         |         |         |         | DBZ-831 |         |          |
| 1.875-2.000          |        |        |         |         |         |         |         | DBZ-932 |          |
| 2.000-2.125          |        |        |         |         |         |         |         | DBZ-934 |          |
| 2.125-2.250          |        |        |         |         |         |         |         | DBZ-936 |          |
| 2.250-2.375          |        |        |         |         |         |         |         | DBZ-938 |          |
| 2.375-2.437          |        |        |         |         |         |         |         | DBZ-939 | DBZ-1038 |
| 2.375-2.500          |        |        |         |         |         |         |         |         | DBZ-1040 |
| 2.500-2.625          |        |        |         |         |         |         |         |         | DBZ-1042 |
| 2.625-2.750          |        |        |         |         |         |         |         |         | DBZ-1044 |
| 2.750-2.875          |        |        |         |         |         |         |         |         | DBZ-1046 |

# ACCESSORIES

## MULTI-HOLE GROMMETS



## CORD PROTECTING SLEEVE/GROMMET

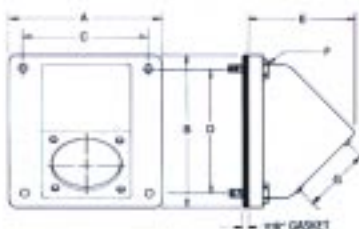
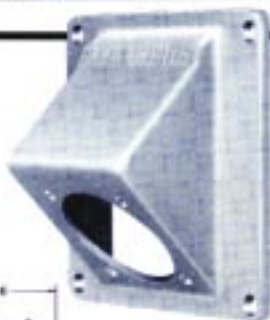


|        | BODY AND COMPRESSION NUT USED | CAT. NO. | A<br>NOMINAL SIZE<br>CORD OR CABLE | B               | C               |
|--------|-------------------------------|----------|------------------------------------|-----------------|-----------------|
| 2 Hole | Form 1                        | DB-4-H   | .170                               | $2\frac{1}{32}$ | $\frac{3}{8}$   |
|        | Form 2                        | DB-9-MA  | .100                               | $\frac{15}{16}$ | $\frac{5}{8}$   |
|        |                               | DB-9-X   | .125                               | $\frac{15}{16}$ | $\frac{5}{8}$   |
|        |                               | DB-9-XA  | .156                               | $\frac{15}{16}$ | $\frac{5}{8}$   |
|        |                               | DB-9-H   | .250                               | $\frac{15}{16}$ | $\frac{5}{8}$   |
|        |                               | DB-9-O   | .281                               | $\frac{15}{16}$ | $\frac{5}{8}$   |
|        | Form 5                        | DB-14-D  | .437                               | $1\frac{1}{32}$ | $1\frac{1}{32}$ |
| 3 Hole | Form 2                        | DB-9-L   | .218                               | $\frac{15}{16}$ | $\frac{5}{8}$   |
|        | Form 3                        | DB-11-M  | .281                               | $1\frac{1}{32}$ | $2\frac{3}{32}$ |

| BODY AND COMPRESSION NUT USED | CAT. NO. | A<br>NOMINAL SIZE<br>CORD OR CABLE | B<br>O.D.       | C<br>OVERALL<br>LENGTH |
|-------------------------------|----------|------------------------------------|-----------------|------------------------|
| Form 2                        | DBY-9-J  | .312 to .437                       | $\frac{15}{16}$ | 3                      |

## PANELBOARD ADAPTERS

Aluminum construction.  
Accepts DBZP  
panelboard connectors

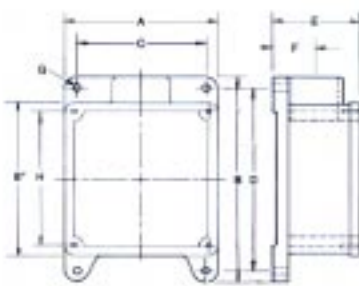


| FORM<br>SIZE | CATALOG NUMBERS | DIMENSIONS        |                   |                   |                   |                    |                                     |                    |
|--------------|-----------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------------------------|--------------------|
|              |                 | A                 | B                 | C                 | D                 | E                  | F                                   | G                  |
| 7-Z          | ZP-C-2516-12    | $4\frac{3}{16}$ " | $4\frac{1}{16}$ " | $3\frac{3}{16}$ " | $3\frac{3}{16}$ " | $2\frac{1}{16}$ "  | $\frac{1}{4}$ -20 x $\frac{3}{4}$ " | $1\frac{1}{16}$ "  |
| 8-Z          | ZP-C-2520-12    | $4\frac{1}{2}$ "  | $4\frac{1}{2}$ "  | $3\frac{1}{8}$ "  | $3\frac{1}{8}$ "  | $3\frac{39}{64}$ " | $\frac{1}{4}$ -20 x $\frac{3}{4}$ " | $2\frac{3}{32}$ "  |
| 9-Z          | ZP-C-2524-12    | 8"                | 8"                | 7"                | 7"                | $3\frac{39}{64}$ " | $\frac{1}{2}$ -13 x $\frac{3}{4}$ " | $2\frac{17}{32}$ " |
| 10-Z         | ZP-C-2528-12    | 8"                | 8"                | 7"                | 7"                | $3\frac{5}{8}$ "   | $\frac{1}{2}$ -13 x $\frac{3}{4}$ " | $3\frac{1}{32}$ "  |

All adapter covers come complete with screws and clips for mounting the connector, plus bolts, washers and gasket for attaching cover to panel or conduit fitting box.

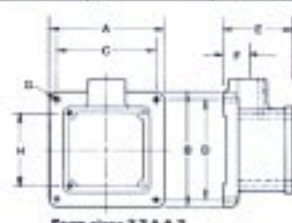
## CONDUIT FITTING BOXES

Ferrous alloy construction



Form sizes 9-Z & 10-Z

| FORM<br>SIZE | CONDUIT<br>HUB<br>SIZE | CATALOG<br>NUMBER | DIMENSIONS       |                   |                  |                  |                  |                   |                       |
|--------------|------------------------|-------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|-----------------------|
|              |                        |                   | A                | B                 | C                | D                | E                | F                 | G                     |
| 7-Z          | $\frac{3}{4}$ "        | P-202760-42       |                  |                   |                  |                  |                  | $\frac{13}{16}$ " |                       |
|              | 1"                     | P-202760-43       |                  |                   |                  |                  |                  | $\frac{13}{16}$ " |                       |
|              | $1\frac{1}{4}$ "       | P-202760-64       | $5\frac{1}{4}$ " | $5\frac{1}{4}$ "  | $4\frac{1}{8}$ " | $4\frac{1}{8}$ " | $2\frac{3}{8}$ " | 1"                | $\frac{3}{32}$ " DIA. |
|              | $1\frac{1}{2}$ "       | P-202760-65       |                  |                   |                  |                  |                  | 1"                | $3\frac{3}{16}$ "     |
| 8-Z          | $1\frac{1}{4}$ "       | JRZ-610064        |                  |                   |                  |                  |                  |                   |                       |
|              | $1\frac{1}{2}$ "       | JRZ-610065        | 6"               | 6"                | $5\frac{1}{4}$ " | $5\frac{1}{4}$ " | $3\frac{3}{4}$ " | $1\frac{7}{16}$ " | $\frac{3}{32}$ " DIA. |
|              | 2"                     | JRZ-610066        |                  |                   |                  |                  |                  |                   | $3\frac{7}{8}$ "      |
| 9-Z          | $2\frac{1}{2}$ "       | JR-720036-A       |                  |                   |                  |                  |                  |                   |                       |
|              | 3"                     | JRZ-820036-A      | 8"               | $10\frac{3}{4}$ " | $6\frac{3}{4}$ " | $9\frac{1}{2}$ " | $3\frac{3}{4}$ " | $1\frac{1}{8}$ "  | $\frac{7}{16}$ " DIA. |
| 10-Z         |                        |                   |                  |                   |                  |                  | $4\frac{1}{2}$ " | $2\frac{1}{8}$ "  | 7"                    |



Form sizes 7-Z & 8-Z

Conduit fitting box to fit adapters.  
Mounting hardware is not included.  
Thru-feed styles available upon request.

# HK SERIES

## LIQUID-TIGHT MECHANICAL CONNECTOR FOR FLEXIBLE NON-METALLIC CONDUIT



TYPE HKL

TYPE HKM

HK fittings have been engineered to provide a superior mechanical connection and an oil and water-tight seal for flexible non-metallic conduit. They incorporate a gripping principle that, over the years, has proven itself in railway intercar connection—an application which experiences continuous motion, extreme vibration and severe environmental conditions.

Use the HK where mechanical strength and proven reliability in a liquid-tight installation is needed.

### FEATURES & BENEFITS

#### Rugged construction and simple design

Allows ease of quick and permanent field assembly

#### Imbedded O-Ring

Assures complete protection from oil, grease, water and dust.

#### Extremely strong gripping action

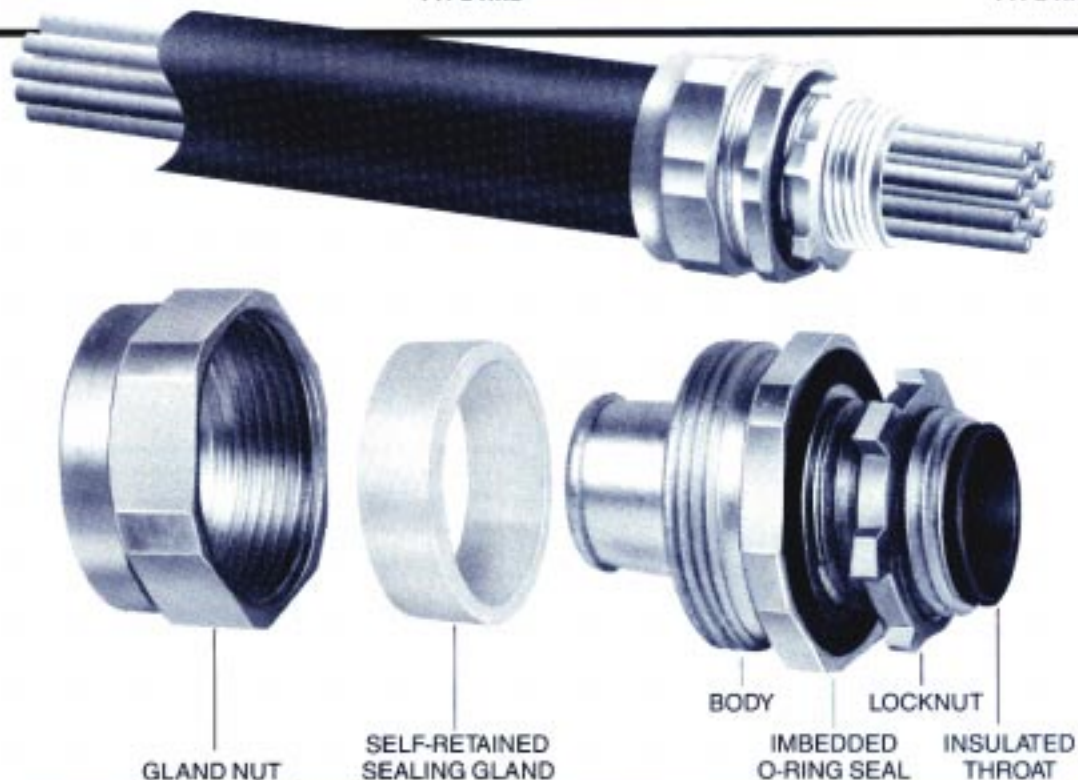
Holds secure against severe strain.

#### Insulated throat

Prevents damage to conductors.

### APPLICATIONS

- Moveable Head Machine Tools
- Transfer Lines
- Processing Machinery
- Bottling Machinery
- Packaging Machinery
- Railroad Equipment
- Construction and Maintenance Equipment



All units shipped assembled complete with locknut, insulated throat and imbedded O-ring.



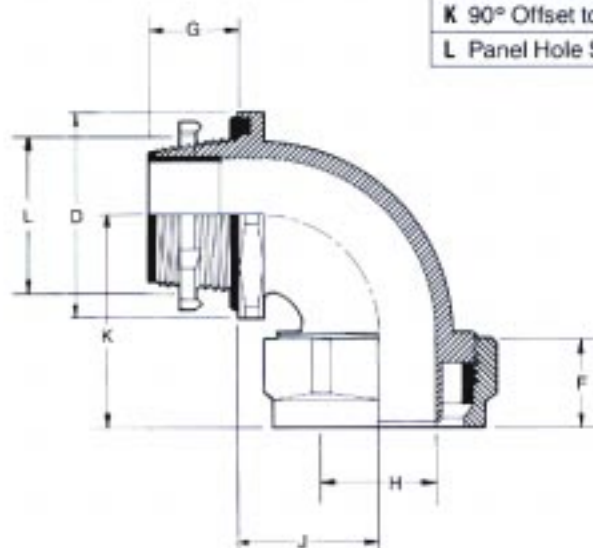
## MATERIALS & FINISHES

|                   |                                   |
|-------------------|-----------------------------------|
| STRAIGHT BODY     | Cadmium plated steel              |
| 90° ELBOW         | Cadmium plated cast ferrous alloy |
| GLAND NUT         | Cadmium plated steel              |
| SEALING GLAND     | Polyethylene                      |
| O-RING            | BUNA-N, 70 durometer              |
| INSULATING THROAT | Polypropylene                     |
| LOCKNUT           | Cadmium plated steel              |

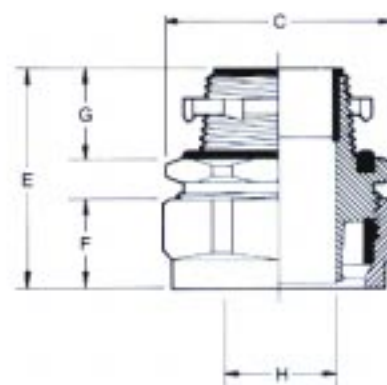
## DIMENSIONS CATALOG NUMBERS

| NON-METALLIC<br>CONDUIT/HOSE SIZE |                 | ½"                 | ¾"                 | 1"                 | 1¼"                | 1½"               | 2"                   |
|-----------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|-------------------|----------------------|
| CATALOG<br>NUMBERS                | Straight<br>90° | HKM-115<br>HKL-115 | HKM-225<br>HKL-225 | HKM-335<br>HKL-335 | HKM-445<br>HKL-445 | HKM-555<br>HKL-55 | HKM-665*<br>HKL-665* |
| A Nut-Hex O.D.                    |                 | 1.44               | 1.62               | 2.06               | 2.50               | 2.78              | 3.44                 |
| B Nut-Hex Flats                   |                 | 1.31               | 1.50               | 1.87               | 2.25               | 2.50              | 3.12                 |
| C Body-Hex O.D.                   |                 | 1.34               | 1.62               | 1.97               | 2.50               | 2.78              | 3.44                 |
| D Body-Hex Flats                  |                 | 1.25               | 1.50               | 1.75               | 2.25               | 2.50              | 3.12                 |
| E Nom. Lgth. Straight             |                 | 1.70               | 1.80               | 1.90               | 2.16               | 2.28              | 2.41                 |
| F Nut Length                      |                 | .66                | .66                | .66                | .78                | .84               | .94                  |
| G Body Conduit Thread Lgth.       |                 | .62                | .69                | .81                | .90                | .94               | .97                  |
| H Throat I.D. Minimum             |                 | .60                | .74                | .96                | 1.30               | 1.50              | 1.96                 |
| J 90° Offset to Conduit           |                 | .81                | .93                | 1.19               | 1.51               | 1.66              | 2.00                 |
| K 90° Offset to Nut               |                 | 1.50               | 1.70               | 1.80               | 2.41               | 2.66              | 3.00                 |
| L Panel Hole Size                 |                 | .94                | 1.12               | 1.06               | 1.75               | 1.88              | 2.38                 |

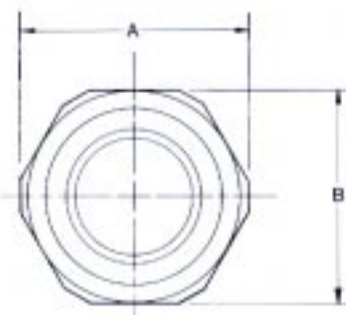
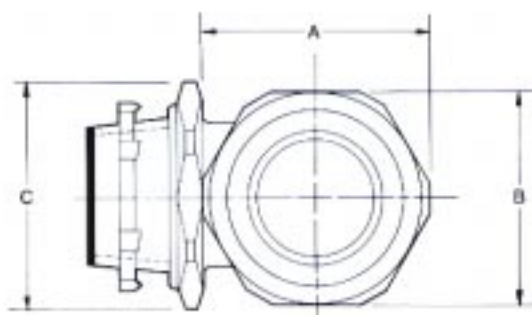
\*Not U.L. Listed



TYPE HKL—  
90° CONNECTOR



TYPE HKM—  
STRAIGHT CONNECTOR



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Heavy-duty high-density power and control connectors.



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GD, GB, AF Series. Reliable connections for power and control.



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Large indicator lights. Single through 4-gang.



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