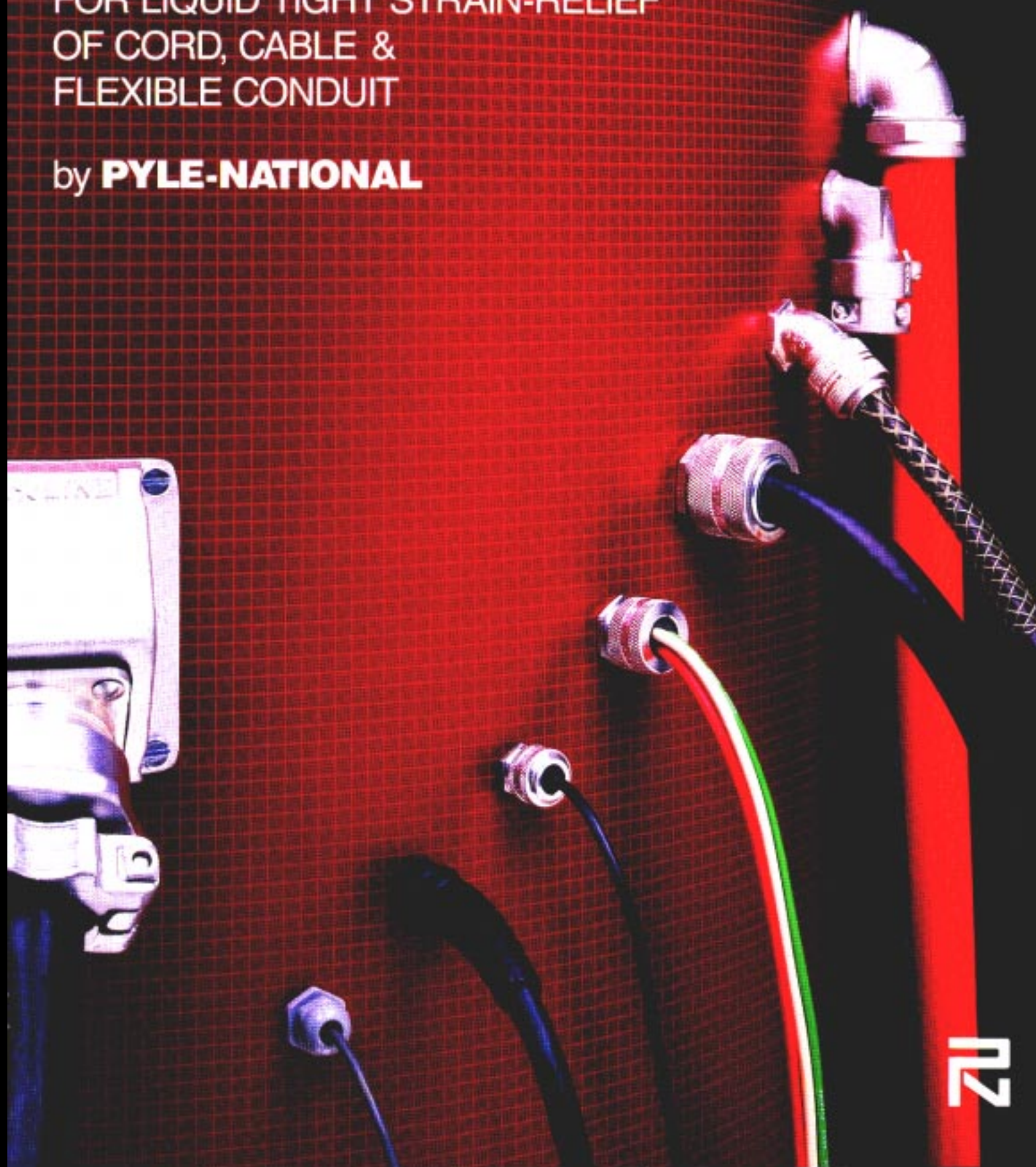


PERFORMANCE CONNECTORS

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

by **PYLE-NATIONAL**

Bulletin LT-300



P

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 (140° F)	75° C (167° F)	85° C (185° F)	90° C (194° F)
AWG	1TW, 1UF	1FEPM, 1H, 1HNM, 1TWM, 1THWN, 1XHHM, 1USE, 1ZW	V	1A, 1BS, 1SA, 1SIS, 1FEP, 1FEPB, 1HNM, 1THWN, 1XHHM
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	255	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	21/32	0.6406	16.272
5/32	0.1562	3.969	43/64	0.6562	16.669
11/64	0.1719	4.366	41/64	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

CONTENTS

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.	—	—

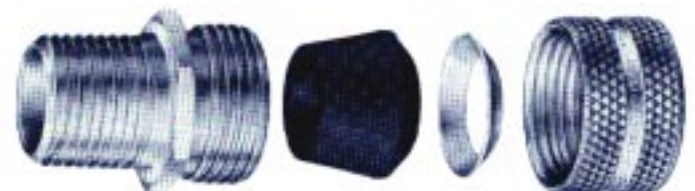
NOTE: These are approximate currents to be used for selecting cord wire sizes.

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



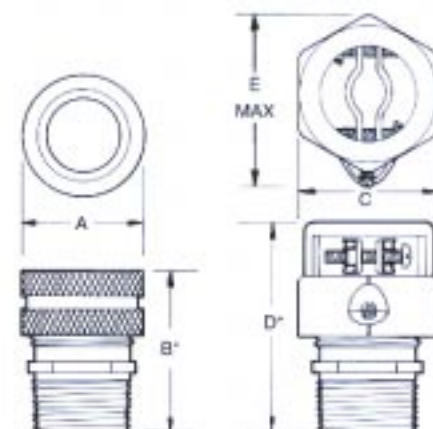
Large body DBZ connectors can be employed in retrofit or new installations. Versatility allows use in panelboards and in threaded hubs. Component parts are available separately.

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.

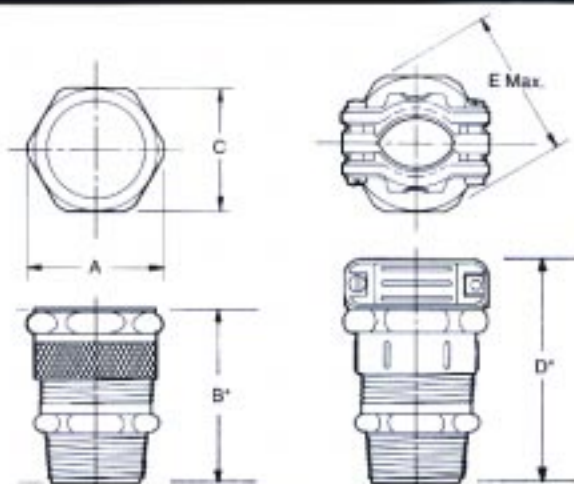


DB/DBM, FORMS 1, 2, 3, 5



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

△ Not required



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

DIMENSIONS	FORM SIZE						
	1	2	3	5	7-Z	8-Z	9-Z
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 ACROSS FLATS	—	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 MAX	—	1.66	1.66	2.06	2.78	3.46	4.10

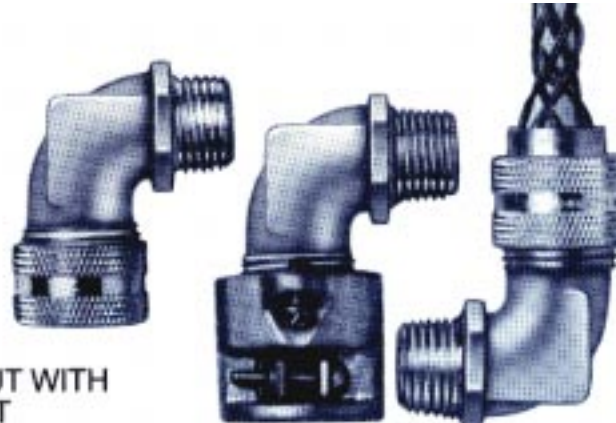
*With nut snug, grommet not compressed.

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.

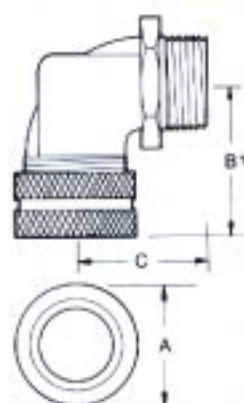


INSULATED THROAT OPTION:

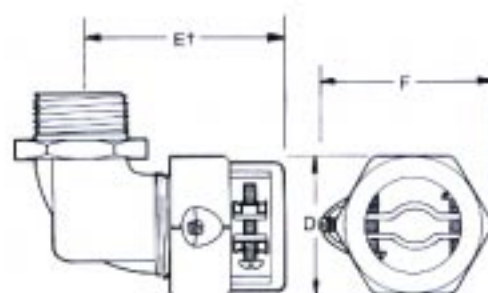
Add suffix "T" to complete assembly part numbers for 1/2"-1" only. E.g.: DBL-3514-MT.

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
3/4"	1-1/8"	*.500-.625 (12.7-15.9)	DB-1090	DBL-1210-M	DBKL-1210
		.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
1"	1-3/8"	.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
		.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

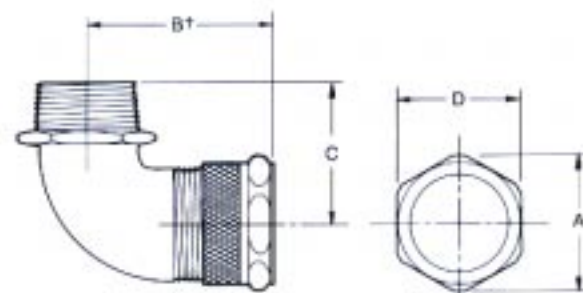
*Maximum cord size will not pass through body without removing outer jacket. Other grommets both single and multi-hole are available—see page 20.



DBL, FORMS 2, 3, 5



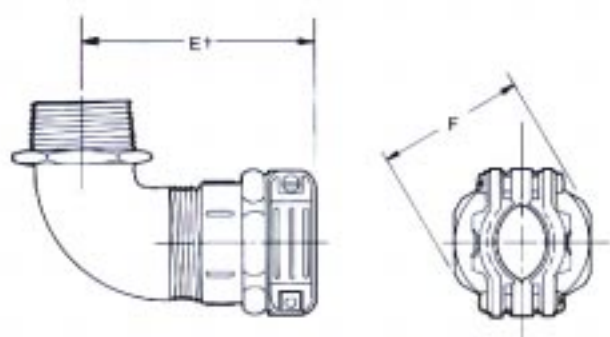
DBZL, FORMS 7-Z, 8-Z





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

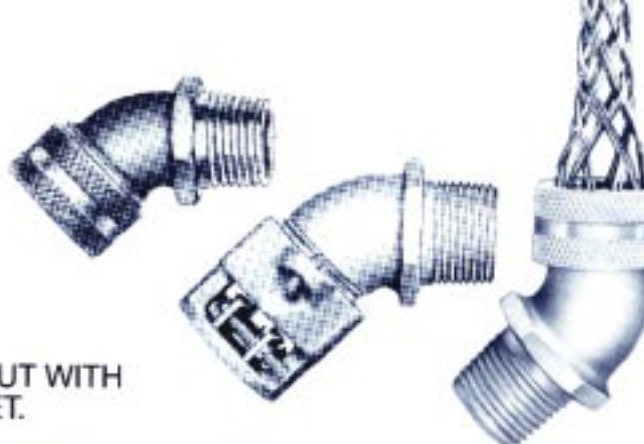
† With nut snug, grommet not compressed.

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.

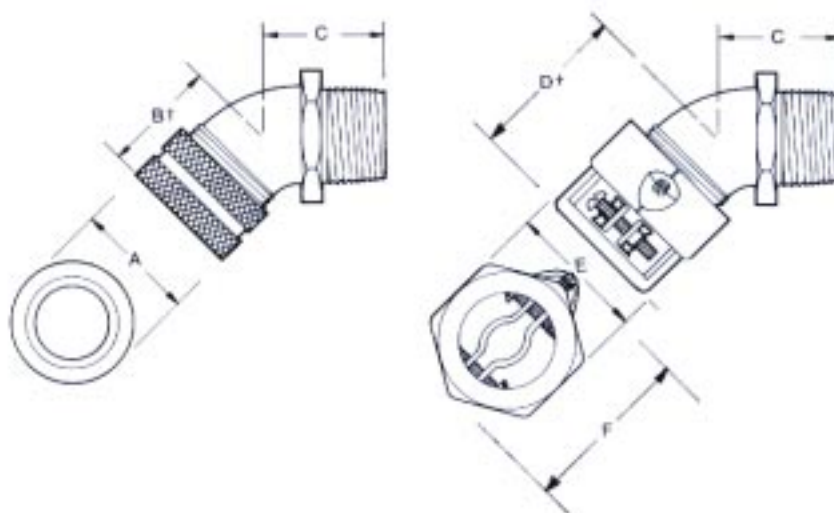


INSULATED THROAT OPTION:

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

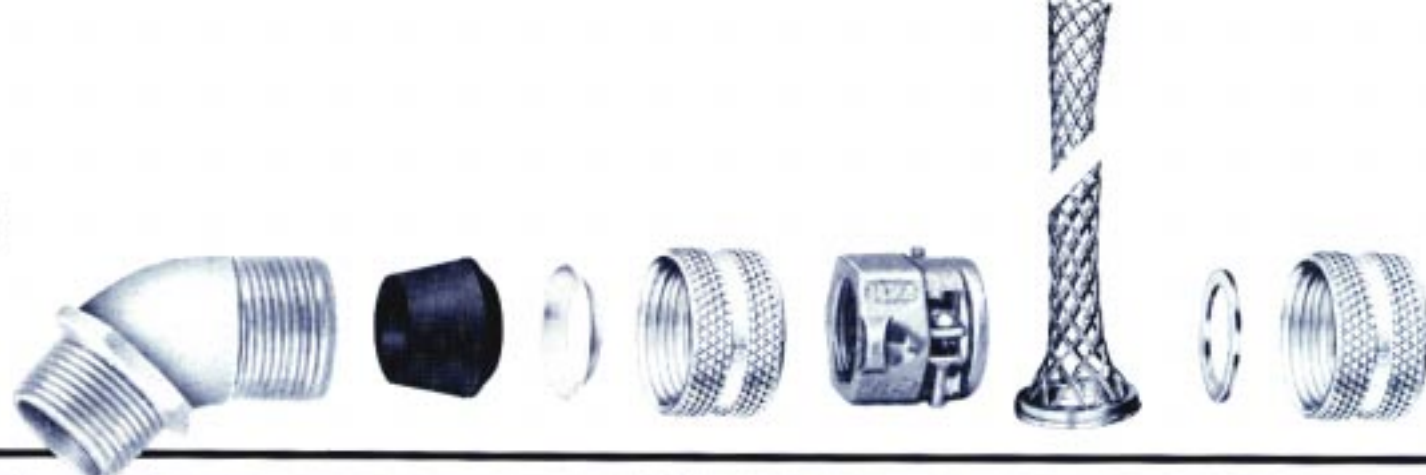
CONDUIT HUB SIZE	PANEL HOLE SIZE	CORD DIAMETER RANGE IN (MM)	COMPLETE ASSEMBLY CATALOG NUMBERS		
			WITH COMPRESSION NUT	WITH MECHANICAL NUT	WITH WOVEN GRIP
1/2"	7/8"	.125-.250 (3.17-6.35)	DB-745	DBA-1204-M	.....
		.187-.312 (4.75-7.92)	DB-9545	DBA-1205-M	DBKA-1205
		.250-.375 (6.35-9.52)	DB-845	DBA-1206-M	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 SIZE	BODY BORE—IN (MM)	COMPONENT PARTS CATALOG NUMBERS						
		GROMMET	PLAIN WASHER	COMPRESSION NUT	MECHANICAL NUT	WOVEN GRIP	WOVEN GRIP WASHER	WOVEN GRIP NUT
2	DB-945-A .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	△	
		DB-9-C					PX-8-C	
3	DB-1145-A .75 (19.1)	DB-11-V	PX-11-CS	DB-11-B	PX-11	DBKG-6	DBK-11-W	DBK-11-B
		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 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	

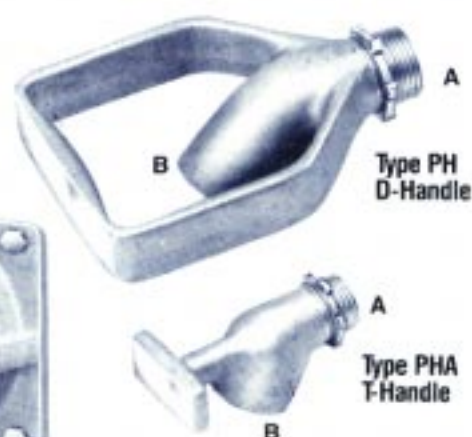
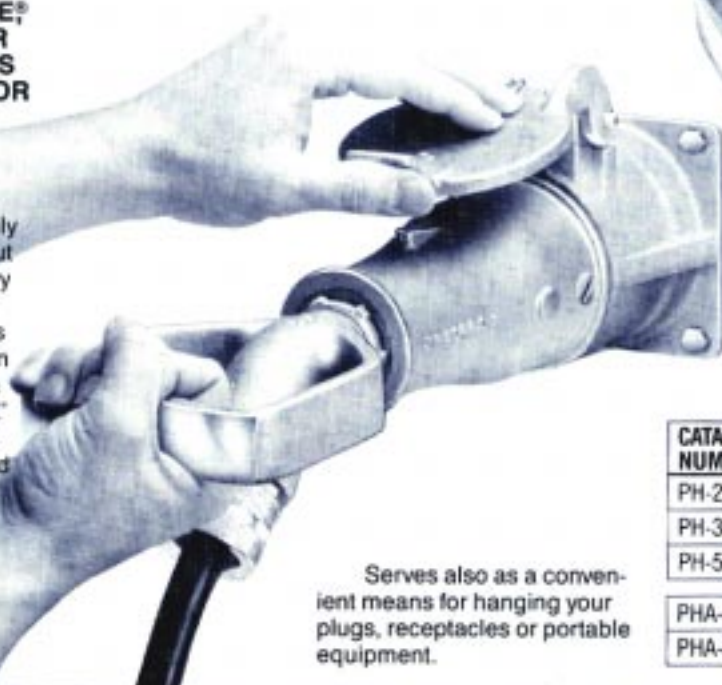
△ Not Required

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 NUMBER	"A" MALE THREAD	"B" FEMALE 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.

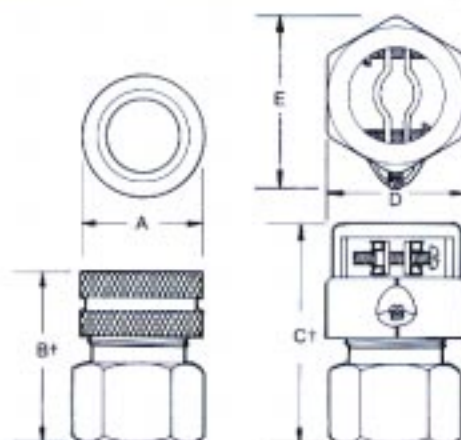


LISTED
File No. E53509



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

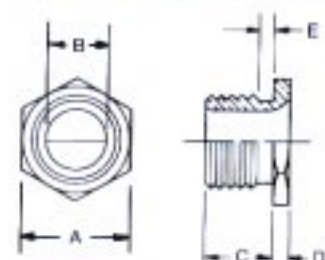
*Flared Nipple not included unless specially ordered. To include flared nipple with assembly change catalog numbers as follows:

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

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

△ Not required

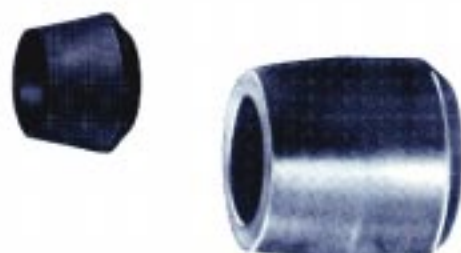


FORM SIZE	COMPONENT PARTS CATALOG NUMBERS								
	BODY BORE—IN (MM)	GROMMET	PLAIN WASHER	COMPRESSION NUT	MECHANICAL NUT	WOVEN GRIP	WOVEN GRIP WASHER	WOVEN GRIP NUT	
5-Z	DBZ-5-P .937 (23.8)	DBZ-502 DBZ-504 DBZ-506 DBZ-508 DBZ-510 DBZ-512 DBZ-514	DBZ-504-W DBZ-504-W DBZ-508-W DBZ-508-W DBZ-512-W DBZ-512-W DBZ-515-W	DBZ-5-B	DBZ-5-M	 DBKG-6 DBKG-8 DBKG-10 DBKG-12 DBKG-14-Z	 LZW-9312-10A LZW-9312-10A LZW-9312-12A LZW-9312-12A △	 DBZ-5-B	
7-Z	DBZ-7-P 1.437 (36.5)	DBZ-714 DBZ-716 DBZ-718 DBZ-720 DBZ-722	DBZ-716-W DBZ-716-W DBZ-720-W DBZ-720-W DBZ-723-W	DBZ-7-B	DBZ-7-M	DBKG-14 DBKG-16 DBKG-18 DBKG-20 DBKG-22	LZW-9316-16A LZW-9316-16A LZW-9316-20A LZW-9316-20A △	DBZ-7-B	
8-Z	DBZ-8-P 1.937 (49.2)	DBZ-822 DBZ-824 DBZ-826 DBZ-828 DBZ-830	DBZ-824-W DBZ-824-W DBZ-828-W DBZ-828-W DBZ-831-W	DBZ-8-B	DBZ-8-M	DBKG-22 DBKG-26 DBKG-26 DBKG-28 DBKG-28	LZW-9320-22A △ △ △ △	DBZ-8-B	
9-Z	DBZ-9-P 2.437 (61.9)	DBZ-930 DBZ-932 DBZ-934 DBZ-936 DBZ-938	DBZ-932-W DBZ-932-W DBZ-936-W DBZ-936-W DBZ-939-W	DBZ-9-B	DBZ-9-M	DBKG-28 DBKG-34 DBKG-34 DBKG-38 DBKG-38	LZW-9324-28A △ △ △ △	DBZ-9-B	
10-Z	DBZ-10-P 2.875 (73.0)	DBZ-1038 DBZ-1040 DBZ-1042 DBZ-1044 DBZ-1046	DBZ-1040-W DBZ-1040-W DBZ-1044-W DBZ-1044-W DBZ-1046-W	DBZ-10-B	DBZ-10-M	DBKG-38 DBKG-40-Z DBKG-46-Z DBKG-46-Z DBKG-46-Z	LZW-9328-38A △ △ △ △	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		DBZ-510	DBZ-710	DBZ-810		
.500-.625		DB-9-C							
.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

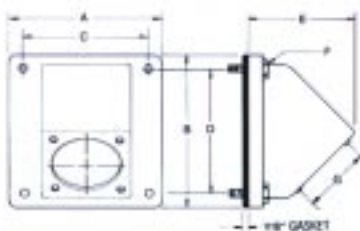
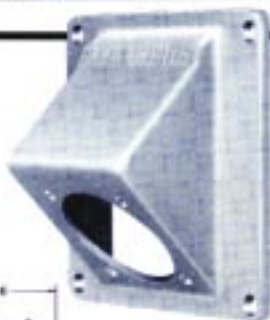


	BODY AND COMPRESSION NUT USED	CAT. NO.	A NOMINAL SIZE CORD OR CABLE	B	C
2 Hole	Form 1	DB-4-H	.170	$2\frac{1}{32}$	$\frac{3}{8}$
	Form 2	DB-9-MA	.100	$\frac{15}{16}$	$\frac{5}{8}$
		DB-9-X	.125	$\frac{15}{16}$	$\frac{5}{8}$
		DB-9-XA	.156	$\frac{15}{16}$	$\frac{5}{8}$
		DB-9-H	.250	$\frac{15}{16}$	$\frac{5}{8}$
		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 NOMINAL SIZE CORD OR CABLE	B O.D.	C OVERALL LENGTH
Form 2	DBY-9-J	.312 to .437	$\frac{15}{16}$	3

PANELBOARD ADAPTERS

Aluminum construction.
Accepts DBZP
panelboard connectors

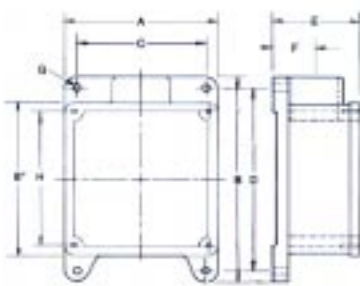


FORM SIZE	CATALOG NUMBERS	DIMENSIONS						
		A	B	C	D	E	F	G
7-Z	ZP-C-2516-12	$4\frac{3}{16}$ "	$4\frac{3}{16}$ "	$3\frac{3}{16}$ "	$3\frac{3}{16}$ "	$2\frac{15}{16}$ "	$\frac{1}{4}$ -20 x $\frac{3}{4}$ "	$1\frac{11}{16}$ "
8-Z	ZP-C-2520-12	$4\frac{1}{2}$ "	$4\frac{1}{2}$ "	$3\frac{3}{8}$ "	$3\frac{3}{8}$ "	$3\frac{39}{64}$ "	$\frac{1}{4}$ -20 x $\frac{3}{4}$ "	$2\frac{29}{32}$ "
9-Z	ZP-C-2524-12	8"	8"	7"	7"	$3\frac{33}{64}$ "	$\frac{1}{2}$ -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.

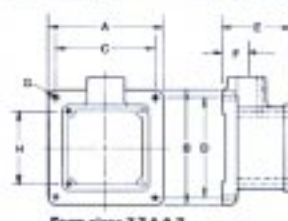
CONDUIT FITTING BOXES

Ferrous alloy construction



Form sizes 9-Z & 10-Z

FORM SIZE	CONDUIT HUB SIZE	CATALOG 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



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

Inbedded O-Ring

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

Extremely strong gripping action

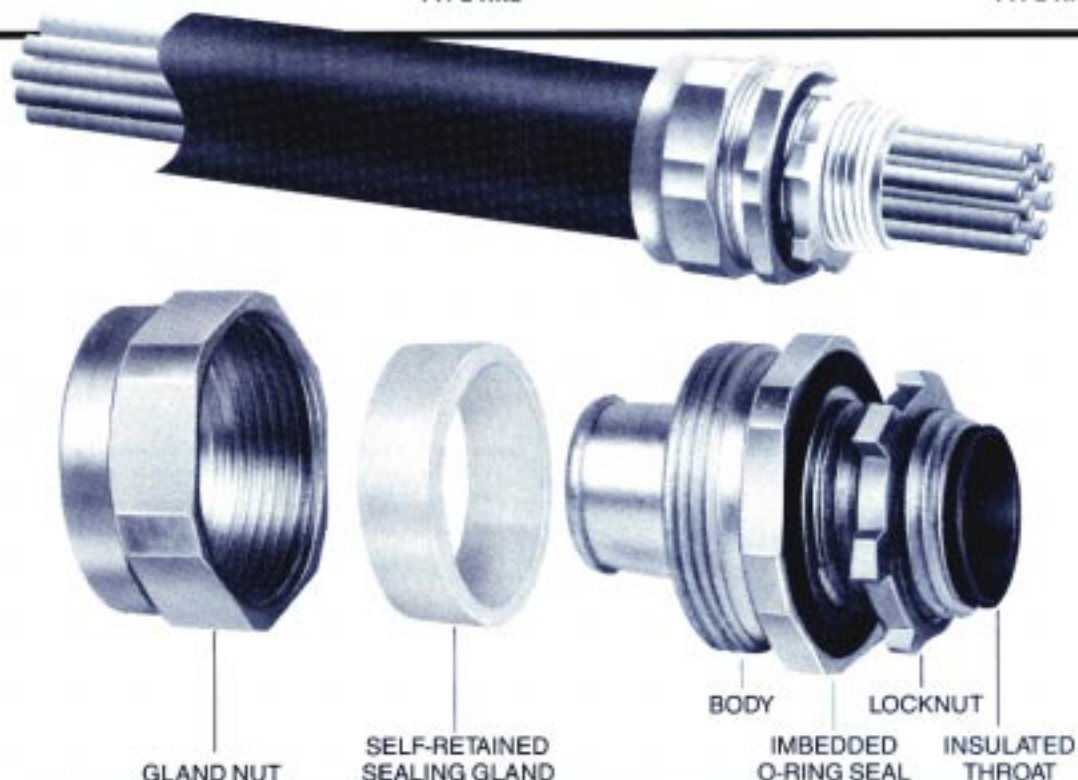
Holds secure against severe strain.

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.



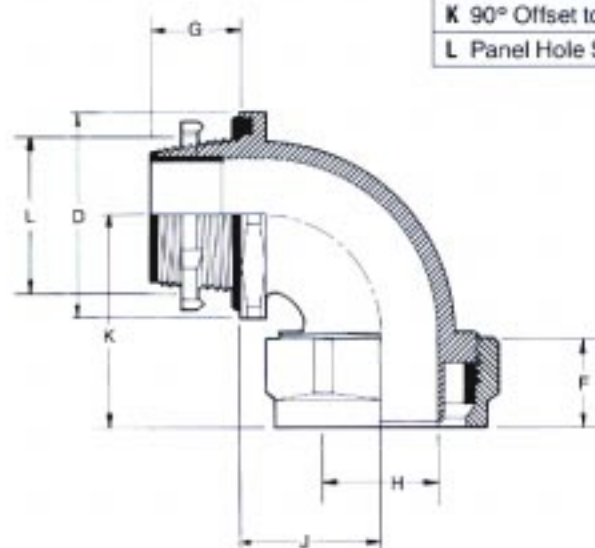
MATERIALS & FINISHES

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

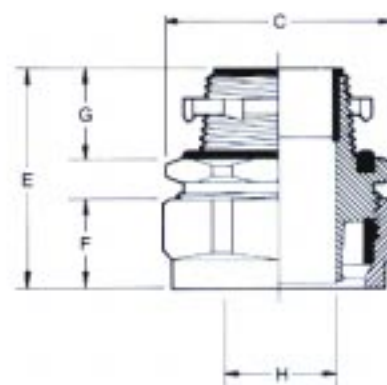
DIMENSIONS CATALOG NUMBERS

NON-METALLIC CONDUIT/HOSE SIZE		½"	¾"	1"	1¼"	1½"	2"
CATALOG NUMBERS	Straight 90°	HKM-115 HKL-115	HKM-225 HKL-225	HKM-335 HKL-335	HKM-445 HKL-445	HKM-555 HKL-55	HKM-665* 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

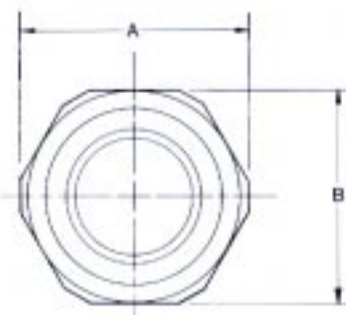
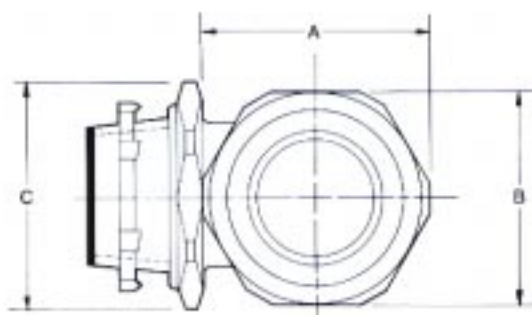
*Not U.L. Listed



TYPE HKL—
90° CONNECTOR



TYPE HKM—
STRAIGHT CONNECTOR



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Heavy-duty high-density power and control connectors.



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HAZARDOUS LOCATIONS**
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Low cost connectors for power and control in normal and wet locations.



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The choice when conditions demand a rugged heavy-duty power connector.



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Large indicator lights. Single through 4-gang.



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With switch or circuit breaker for welding and portable power applications.



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Bulletin LT-300
Rev. 6/90
Printed in U.S.A.
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