

## HAZARDOUS LOCATION CABLE GLANDS FOR NON-ARMORED CABLE (EX D/E/TB)



### INDUSTRY STANDARDS

II2GD Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db IP66/68

Approved to Test Standards: IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-31, UL2225, CAN/CSA-C22.2 No.60079-0, CAN/CSA-C22.2 No.60079-7, CAN/CSA-C22.2 No.60079-31

Ingress Protection: IP66/68 (EN60529)

Certificate No.: IMQ 13 ATEX 018X / IECEx IMQ 13.0006X

Suitable for use in:

- Zone 1 and 2, Gas Group IIC
- Zone 21 and 22, Dust Group IIIC

UL Listing No: E474828. Suitable for use in:

- Class I, Zone 1, AEx e IIC
- Class I, Zone 2, AEx e IIC
- Zone 22, AEx tc IIIC

Other Approvals: EAC, INMETRO, DNV-GL

### Standard Product

| Catalog Number | Size         | Thread Length min.<br>TL (mm) | Thread Length min.<br>TL (in.) | Thread Dia.<br>TD (mm) | Thread Dia.<br>TD (in.) | Outer Dia. min.<br>D2 (mm) | Outer Dia. min.<br>D2 (in.) | Height max.<br>H (mm) | Height max.<br>H (in.) |
|----------------|--------------|-------------------------------|--------------------------------|------------------------|-------------------------|----------------------------|-----------------------------|-----------------------|------------------------|
| EBU01MBNCWCLE  | M16x1.5      | 16.0                          | 0.63                           | 16.0                   | 0.63                    | 24.5                       | 0.96                        | 33.0                  | 1.30                   |
| EBU1MBNCWCLE   | M20x1.5      | 16.0                          | 0.63                           | 20.0                   | 0.79                    | 24.5                       | 0.96                        | 29.0                  | 1.14                   |
| EBU2MBNCWCLE   | M25x1.5      | 16.0                          | 0.63                           | 25.0                   | 0.98                    | 31.0                       | 1.22                        | 32.5                  | 1.28                   |
| EBU3MBNCWCLE   | M32x1.5      | 16.0                          | 0.63                           | 32.0                   | 1.26                    | 39.0                       | 1.54                        | 35.0                  | 1.38                   |
| EBU4MBNCWCLE   | M40x1.5      | 18.0                          | 0.71                           | 40.0                   | 1.57                    | 49.5                       | 1.95                        | 43.0                  | 1.69                   |
| EBU5MBNCWCLE   | M50x1.5      | 18.0                          | 0.71                           | 50.0                   | 1.97                    | 56.0                       | 2.20                        | 46.0                  | 1.81                   |
| EBU6MBNCWCLE   | M63x1.5      | 18.0                          | 0.71                           | 63.0                   | 2.48                    | 70.0                       | 2.80                        | 45.0                  | 1.77                   |
| EBU01MXSWSLE   | M16x1.5      | 16.0                          | 0.63                           | 16.0                   | 0.63                    | 24.5                       | 0.96                        | 33.0                  | 1.30                   |
| EBU1MXSWSLE    | M20x1.5      | 16.0                          | 0.63                           | 20.0                   | 0.79                    | 24.5                       | 0.96                        | 29.0                  | 1.14                   |
| EBU2MXSWSLE    | M25x1.5      | 16.0                          | 0.63                           | 25.0                   | 0.98                    | 31.0                       | 1.22                        | 32.5                  | 1.28                   |
| EBU3MXSWSLE    | M32x1.5      | 16.0                          | 0.63                           | 32.0                   | 1.26                    | 39.0                       | 1.54                        | 35.0                  | 1.38                   |
| EBU4MXSWSLE    | M40x1.5      | 18.0                          | 0.71                           | 40.0                   | 1.57                    | 49.5                       | 1.95                        | 43.0                  | 1.69                   |
| EBU5MXSWSLE    | M50x1.5      | 18.0                          | 0.71                           | 50.0                   | 1.97                    | 56.0                       | 2.20                        | 46.0                  | 1.81                   |
| EBU6MXSWSLE    | M63x1.5      | 18.0                          | 0.71                           | 63.0                   | 2.48                    | 70.0                       | 2.80                        | 45.0                  | 1.77                   |
| EBU01NBNC      | NPT3/8 in.   | 16.0                          | 0.63                           | 17.2                   | 0.68                    | 24.5                       | 0.96                        | 33.0                  | 1.30                   |
| EBU1NBNCLE     | NPT1/2 in.   | 16.0                          | 0.63                           | 21.3                   | 0.84                    | 24.5                       | 0.96                        | 29.0                  | 1.14                   |
| EBU2NBNCLE     | NPT3/4 in.   | 16.0                          | 0.63                           | 26.7                   | 1.05                    | 31.0                       | 1.22                        | 32.5                  | 1.28                   |
| EBU3NBNCLE     | NPT1 in.     | 20.0                          | 0.79                           | 33.4                   | 1.31                    | 39.0                       | 1.54                        | 35.0                  | 1.38                   |
| EBU4NBNCLE     | NPT1-1/4 in. | 20.0                          | 0.79                           | 42.2                   | 1.66                    | 49.5                       | 1.95                        | 43.0                  | 1.69                   |
| EBU5NBNCLE     | NPT1-1/2 in. | 20.0                          | 0.79                           | 48.3                   | 1.90                    | 56.0                       | 2.20                        | 46.0                  | 1.81                   |
| EBU6NBNCLE     | NPT2 in.     | 20.0                          | 0.79                           | 60.3                   | 2.38                    | 70.0                       | 2.80                        | 45.0                  | 1.77                   |
| EBU01NXS       | NPT3/8 in.   | 16.0                          | 0.63                           | 17.2                   | 0.68                    | 24.5                       | 0.96                        | 33.0                  | 1.30                   |
| EBU1NXSLE      | NPT1/2 in.   | 16.0                          | 0.63                           | 21.3                   | 0.84                    | 24.5                       | 0.96                        | 29.0                  | 1.14                   |
| EBU2NXSLE      | NPT3/4 in.   | 16.0                          | 0.63                           | 26.7                   | 1.05                    | 31.0                       | 1.22                        | 32.5                  | 1.28                   |
| EBU3NXSLE      | NPT1 in.     | 20.0                          | 0.79                           | 33.4                   | 1.31                    | 39.0                       | 1.54                        | 35.0                  | 1.38                   |
| EBU4NXSLE      | NPT1-1/4 in. | 20.0                          | 0.79                           | 42.2                   | 1.66                    | 49.5                       | 1.95                        | 43.0                  | 1.69                   |
| EBU5NXSLE      | NPT1-1/2 in. | 20.0                          | 0.79                           | 48.3                   | 1.90                    | 56.0                       | 2.20                        | 46.0                  | 1.81                   |
| EBU6NXSLE      | NPT2 in.     | 20.0                          | 0.79                           | 60.3                   | 2.38                    | 70.0                       | 2.80                        | 45.0                  | 1.77                   |

### APPLICATION

Hazloc cable glands provide strain relief, sealing and secure entry of cables into enclosures or electrical equipment in hazardous areas. Suitable for Zone 1, 2, 21 or 22 with ATEX and IEC certifications, these cable glands are reliable to protect critical processes and people where explosive gas and dust may be present. Available in various materials, thread types and sizes, our hazloc cable glands are designed to be used in many applications and under extreme environments.

### FEATURES

- Suitable for non-armored cables in flameproof (ex d), increased safety (ex e) and dust (ex tb) applications
- Allow for a wider clamping range in a single gland with three levels of removable seals
- All metric thread cable glands are packaged as kits; each kit includes a chloroprene washer, a locknut and an earthtag
- All NPT thread cable glands are packaged as kits; each kit includes a locknut and an earthtag (except for NPT 3/8 in. cable glands which do not include locknuts or earthtags)

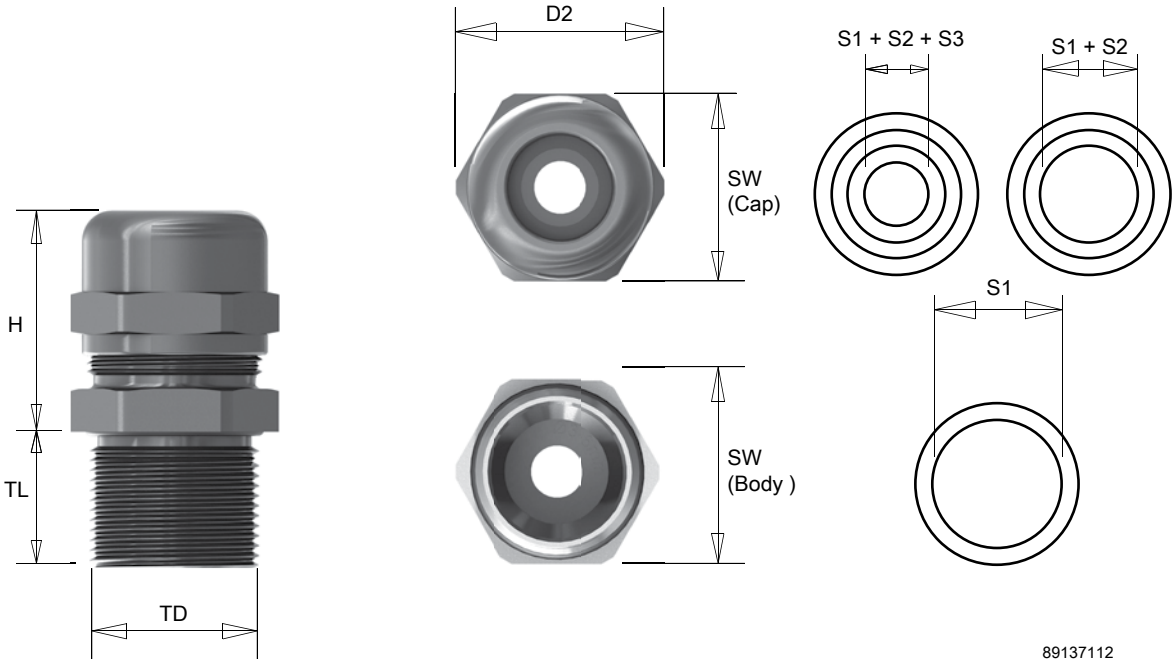
### SPECIFICATIONS

- Available in nickel-plated brass material with chloroprene seal and 316L stainless steel material with silicone seal
- Available in Metric (M) and NPT (N) thread type
- Operating temperature from -40 C (-40 F) to 100 C (212 F) with chloroprene seal and -60 C (-76 F) to 130 C (266 F) with silicon seal

### BULLETIN: HLY

Additional Specifications

| Catalog Number | S1+S2+S3 (mm) | S1+S2+S3 (in.) | S1+S2 (mm) | S1+S2 (in.) | S1 (mm) | S1 (in.)  | Spanner Width |              | Body SW (mm) | Body SW (in.) | Material            | Sealing     |
|----------------|---------------|----------------|------------|-------------|---------|-----------|---------------|--------------|--------------|---------------|---------------------|-------------|
|                |               |                |            |             |         |           | Cap SW (mm)   | Cap SW (in.) |              |               |                     |             |
| EBU01MBNCWCLE  | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Nickel-plated Brass | Chloroprene |
| EBU1MBNCWCLE   | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Nickel-plated Brass | Chloroprene |
| EBU2MBNCWCLE   | 10-12         | 0.39-0.47      | 12-14.5    | 0.47-0.57   | 14.5-18 | 0.57-0.71 | 28.0          | 1.10         | 28.0         | 1.10          | Nickel-plated Brass | Chloroprene |
| EBU3MBNCWCLE   | 14-17         | 0.55-0.67      | 17-20      | 0.67-0.79   | 20-24   | 0.79-0.94 | 35.0          | 1.38         | 35.0         | 1.38          | Nickel-plated Brass | Chloroprene |
| EBU4MBNCWCLE   | 22-24         | 0.87-0.94      | 24-27      | 0.94-1.06   | 27-32   | 1.06-1.26 | 45.0          | 1.77         | 45.0         | 1.77          | Nickel-plated Brass | Chloroprene |
| EBU5MBNCWCLE   | 26-28         | 1.02-1.10      | 28-31      | 1.1-1.22    | 31-35   | 1.22-1.38 | 50.0          | 1.97         | 55.0         | 2.17          | Nickel-plated Brass | Chloroprene |
| EBU6MBNCWCLE   | 35-38         | 1.38-1.50      | 38-41      | 1.5-1.61    | 41-45   | 1.61-1.77 | 64.0          | 2.52         | 68.0         | 2.68          | Nickel-plated Brass | Chloroprene |
| EBU01MXSWSLE   | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Stainless Steel     | Silicone    |
| EBU1MXSWSLE    | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Stainless Steel     | Silicone    |
| EBU2MXSWSLE    | 10-12         | 0.39-0.47      | 12-14.5    | 0.47-0.57   | 14.5-18 | 0.57-0.71 | 28.0          | 1.10         | 28.0         | 1.10          | Stainless Steel     | Silicone    |
| EBU3MXSWSLE    | 14-17         | 0.55-0.67      | 17-20      | 0.67-0.79   | 20-24   | 0.79-0.94 | 35.0          | 1.38         | 35.0         | 1.38          | Stainless Steel     | Silicone    |
| EBU4MXSWSLE    | 22-24         | 0.87-0.94      | 24-27      | 0.94-1.06   | 27-32   | 1.06-1.26 | 45.0          | 1.77         | 45.0         | 1.77          | Stainless Steel     | Silicone    |
| EBU5MXSWSLE    | 26-28         | 1.02-1.10      | 28-31      | 1.1-1.22    | 31-35   | 1.22-1.38 | 50.0          | 1.97         | 55.0         | 2.17          | Stainless Steel     | Silicone    |
| EBU6MXSWSLE    | 35-38         | 1.38-1.50      | 38-41      | 1.5-1.61    | 41-45   | 1.61-1.77 | 64.0          | 2.52         | 68.0         | 2.68          | Stainless Steel     | Silicone    |
| EBU01NBNC      | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Nickel-plated Brass | Chloroprene |
| EBU1NBNCLE     | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Nickel-plated Brass | Chloroprene |
| EBU2NBNCLE     | 10-12         | 0.39-0.47      | 12-14.5    | 0.47-0.57   | 14.5-18 | 0.57-0.71 | 28.0          | 1.10         | 28.0         | 1.10          | Nickel-plated Brass | Chloroprene |
| EBU3NBNCLE     | 14-17         | 0.55-0.67      | 17-20      | 0.67-0.79   | 20-24   | 0.79-0.94 | 35.0          | 1.38         | 35.0         | 1.38          | Nickel-plated Brass | Chloroprene |
| EBU4NBNCLE     | 22-24         | 0.87-0.94      | 24-27      | 0.94-1.06   | 27-32   | 1.06-1.26 | 45.0          | 1.77         | 45.0         | 1.77          | Nickel-plated Brass | Chloroprene |
| EBU5NBNCLE     | 26-28         | 1.02-1.10      | 28-31      | 1.1-1.22    | 31-35   | 1.22-1.38 | 50.0          | 1.97         | 55.0         | 2.17          | Nickel-plated Brass | Chloroprene |
| EBU6NBNCLE     | 35-38         | 1.38-1.50      | 38-41      | 1.5-1.61    | 41-45   | 1.61-1.77 | 64.0          | 2.52         | 68.0         | 2.68          | Nickel-plated Brass | Chloroprene |
| EBU01NXS       | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Stainless Steel     | Silicone    |
| EBU1NXSLE      | 4-6           | 0.16-0.24      | 6-9        | 0.24-0.35   | 9-12    | 0.35-0.47 | 22.0          | 0.87         | 22.0         | 0.87          | Stainless Steel     | Silicone    |
| EBU2NXSLE      | 10-12         | 0.39-0.47      | 12-14.5    | 0.47-0.57   | 14.5-18 | 0.57-0.71 | 28.0          | 1.10         | 28.0         | 1.10          | Stainless Steel     | Silicone    |
| EBU3NXSLE      | 14-17         | 0.55-0.67      | 17-20      | 0.67-0.79   | 20-24   | 0.79-0.94 | 35.0          | 1.38         | 35.0         | 1.38          | Stainless Steel     | Silicone    |
| EBU4NXSLE      | 22-24         | 0.87-0.94      | 24-27      | 0.94-1.06   | 27-32   | 1.06-1.26 | 45.0          | 1.77         | 45.0         | 1.77          | Stainless Steel     | Silicone    |
| EBU5NXSLE      | 26-28         | 1.02-1.10      | 28-31      | 1.1-1.22    | 31-35   | 1.22-1.38 | 50.0          | 1.97         | 55.0         | 2.17          | Stainless Steel     | Silicone    |
| EBU6NXSLE      | 35-38         | 1.38-1.50      | 38-41      | 1.5-1.61    | 41-45   | 1.61-1.77 | 64.0          | 2.52         | 68.0         | 2.68          | Stainless Steel     | Silicone    |



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## HAZARDOUS LOCATION CABLE GLANDS FOR ARMORED CABLE (EX D/E/TB)



### INDUSTRY STANDARDS

IICGD Ex d IIC Gb, Ex e IIC Gb, Ex tb IIC Db IP66/68

Approved to Test Standards: IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-31, UL2225, CAN/CSA-C22.2 No.60079-0, CAN/CSA-C22.2 No.60079-7, CAN/CSA-C22.2 No.60079-31

Ingress Protection: IP66/68 [EN60529]

Certificate No.: CESI 13 ATEX 033X / IECEx CES 13.0013X. Suitable for use in:

- Zone 1 and 2, Gas Group IIC
- Zone 21 and 22, Dust Group IIC

UL Listing No: E474828. Suitable for use in:

- Class I, Zone 1, AEx e IIC
- Class I, Zone 2, AEx e IIC
- Zone 22, AEx tc IIC

Other Approvals:

EAC, INMETRO, DNV-GL

### APPLICATION

Hazloc cable glands provide strain relief, sealing and secure entry of cables into enclosures or electrical equipment in hazardous areas. Suitable for Zone 1, 2, 21 or 22 with ATEX and IEC certifications, these cable glands are reliable to protect critical processes and people where explosive gas and dust may be present. Available in various materials, thread types and sizes, our hazloc cable glands are designed to be used in many applications and under extreme environments.

### FEATURES

- Suitable for SWA (steel wire armored), AWA (aluminum wire armored), SWB (steel wire braid), STA (steel tape armored), and shielded cable in flameproof (ex d), increased safety (ex e) and dust (ex tb) applications
- Allow for double sealing of cable and jacket with upper and lower seals
- The swivel retainer and grounding cone are adhered to the gland body by the o-rings to prevent any loose parts; remove by simply pull these components slightly to detach
- All metric thread cable glands are packaged as kits; each kit includes a chloroprene washer, a locknut and an earthtag
- All NPT thread cable glands are packaged as kits; each kit includes a locknut and an earthtag (except for NPT 3/8-in. cable glands which do not include locknuts or earthtags)

### SPECIFICATIONS

- Available in nickel-plated brass material with chloroprene seal and 316L stainless steel material with silicone seal
- Available in Metric (M) and NPT (N) thread type
- Operating temperature from -40 C (-40 F) to 100 C (212 F) with chloroprene seal and -60 C (-76 F) to 130 C (266 F) with silicon seal

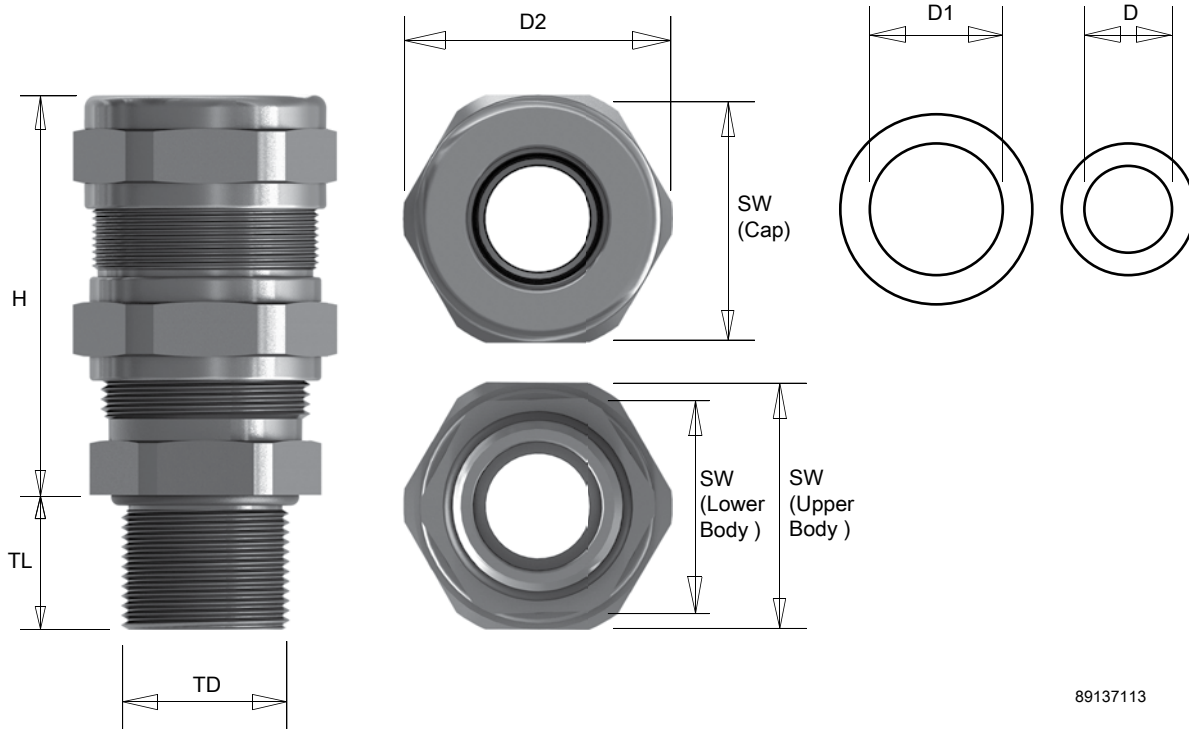
### BULLETIN: HLY

### Standard Product

| Catalog Number | Size         | Thread Length Min. TL (mm) | Thread Length Min. TL (in.) | Thread Dia. TD (mm) | Thread Dia. TD (in.) | Outer Dia. Min. D2 (mm) | Outer Dia. Min. D2 (in.) | Height Max. H (mm) | Height Max. H (in.) | Armor Wire Dia. (mm) | Armor Wire Dia. (in.) | Shielded Wire Dia. (mm) | Shielded Wire Dia. (in.) |
|----------------|--------------|----------------------------|-----------------------------|---------------------|----------------------|-------------------------|--------------------------|--------------------|---------------------|----------------------|-----------------------|-------------------------|--------------------------|
| KBAU01MBNCWCLE | M16x1.5      | 16.0                       | 0.63                        | 16.0                | 0.63                 | 31.5                    | 1.24                     | 52.0               | 2.05                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU1MBNCWCLE  | M20x1.5      | 16.0                       | 0.63                        | 20.0                | 0.79                 | 31.5                    | 1.24                     | 51.0               | 2.01                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU2MBNCWCLE  | M25x1.5      | 18.0                       | 0.71                        | 25.0                | 0.98                 | 37.0                    | 1.46                     | 56.5               | 2.22                | 1.30                 | 0.05                  | 0.70                    | 0.03                     |
| KBAU3MBNCWCLE  | M32x1.5      | 18.0                       | 0.71                        | 32.0                | 1.26                 | 57.0                    | 2.24                     | 80.5               | 3.17                | 1.80                 | 0.07                  | 0.70                    | 0.03                     |
| KBAU4MBNCWCLE  | M40x1.5      | 18.0                       | 0.71                        | 40.0                | 1.57                 | 66.0                    | 2.60                     | 101.5              | 4.00                | 2.20                 | 0.09                  | 0.70                    | 0.03                     |
| KBAU5MBNCWCLE  | M50x1.5      | 18.0                       | 0.71                        | 50.0                | 1.97                 | 83.0                    | 3.27                     | 102.0              | 4.02                | 2.70                 | 0.11                  | 0.90                    | 0.04                     |
| KBAU6MBNCWCLE  | M63x1.5      | 20.0                       | 0.79                        | 63.0                | 2.48                 | 94.0                    | 3.70                     | 110.0              | 4.33                | 3.00                 | 0.12                  | 1.00                    | 0.04                     |
| KBAU01MXSWSLE  | M16x1.5      | 16.0                       | 0.63                        | 16.0                | 0.63                 | 31.5                    | 1.24                     | 52.0               | 2.05                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU1MXSWSLE   | M20x1.5      | 16.0                       | 0.63                        | 20.0                | 0.79                 | 31.5                    | 1.24                     | 51.0               | 2.01                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU2MXSWSLE   | M25x1.5      | 18.0                       | 0.71                        | 25.0                | 0.98                 | 37.0                    | 1.46                     | 56.5               | 2.22                | 1.30                 | 0.05                  | 0.70                    | 0.03                     |
| KBAU3MXSWSLE   | M32x1.5      | 18.0                       | 0.71                        | 32.0                | 1.26                 | 57.0                    | 2.24                     | 80.5               | 3.17                | 1.80                 | 0.07                  | 0.70                    | 0.03                     |
| KBAU4MXSWSLE   | M40x1.5      | 18.0                       | 0.71                        | 40.0                | 1.57                 | 66.0                    | 2.60                     | 101.5              | 4.00                | 2.20                 | 0.09                  | 0.70                    | 0.03                     |
| KBAU5MXSWSLE   | M50x1.5      | 18.0                       | 0.71                        | 50.0                | 1.97                 | 83.0                    | 3.27                     | 102.0              | 4.02                | 2.70                 | 0.11                  | 0.90                    | 0.04                     |
| KBAU6MXSWSLE   | M63x1.5      | 20.0                       | 0.79                        | 63.0                | 2.48                 | 94.0                    | 3.70                     | 110.0              | 4.33                | 3.00                 | 0.12                  | 1.00                    | 0.04                     |
| KBAU01NBNC     | NPT3/8 in.   | 16.0                       | 0.63                        | 17.1                | 0.67                 | 31.5                    | 1.24                     | 52.0               | 2.05                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU1NBNCLE    | NPT1/2 in.   | 16.0                       | 0.63                        | 21.3                | 0.84                 | 31.5                    | 1.24                     | 51.0               | 2.01                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU2NBNCLE    | NPT3/4 in.   | 18.0                       | 0.83                        | 26.7                | 1.05                 | 37.0                    | 1.46                     | 56.5               | 2.22                | 1.30                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU3NBNCLE    | NPT1 in.     | 18.0                       | 0.83                        | 33.4                | 1.31                 | 57.0                    | 2.24                     | 80.5               | 3.17                | 1.80                 | 0.07                  | 0.70                    | 0.03                     |
| KBAU4NBNCLE    | NPT1-1/4 in. | 18.0                       | 1.10                        | 42.2                | 1.66                 | 66.0                    | 2.60                     | 101.5              | 4.00                | 2.20                 | 0.09                  | 0.70                    | 0.03                     |
| KBAU5NBNCLE    | NPT1-1/2 in. | 18.0                       | 1.10                        | 48.3                | 1.90                 | 83.0                    | 3.27                     | 102.0              | 4.02                | 2.70                 | 0.11                  | 0.90                    | 0.04                     |
| KBAU6NBNCLE    | NPT2 in.     | 20.0                       | 1.10                        | 60.3                | 2.38                 | 94.0                    | 3.70                     | 110.0              | 4.33                | 3.00                 | 0.12                  | 1.00                    | 0.04                     |
| KBAU01NXS      | NPT3/8 in.   | 16.0                       | 0.63                        | 17.1                | 0.67                 | 31.5                    | 1.24                     | 52.0               | 2.05                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU1NXSLE     | NPT1/2 in.   | 16.0                       | 0.63                        | 21.3                | 0.84                 | 31.5                    | 1.24                     | 51.0               | 2.01                | 1.20                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU2NXSLE     | NPT3/4 in.   | 21.0                       | 0.83                        | 26.7                | 1.05                 | 37.0                    | 1.46                     | 56.5               | 2.22                | 1.30                 | 0.05                  | 0.50                    | 0.02                     |
| KBAU3NXSLE     | NPT1 in.     | 21.0                       | 0.83                        | 33.4                | 1.31                 | 57.0                    | 2.24                     | 80.5               | 3.17                | 1.80                 | 0.07                  | 0.70                    | 0.03                     |
| KBAU4NXSLE     | NPT1-1/4 in. | 28.0                       | 1.10                        | 42.2                | 1.66                 | 66.0                    | 2.60                     | 101.5              | 4.00                | 2.20                 | 0.09                  | 0.70                    | 0.03                     |
| KBAU5NXSLE     | NPT1-1/2 in. | 28.0                       | 1.10                        | 48.3                | 1.90                 | 83.0                    | 3.27                     | 102.0              | 4.02                | 2.70                 | 0.11                  | 0.90                    | 0.04                     |
| KBAU6NXSLE     | NPT2 in.     | 28.0                       | 1.10                        | 60.3                | 2.38                 | 94.0                    | 3.70                     | 110.0              | 4.33                | 3.00                 | 0.12                  | 1.00                    | 0.04                     |

## Additional Specifications

| Catalog Number | Clamping Range Dia. |           |           |           | Spanner Width |              |                    |                     | Lower Body SW (mm) | Lower Body SW (in.) | Material            | Sealing     |
|----------------|---------------------|-----------|-----------|-----------|---------------|--------------|--------------------|---------------------|--------------------|---------------------|---------------------|-------------|
|                | D (mm)              | D (in.)   | D1 (mm)   | D1 (in.)  | Cap SW (mm)   | Cap SW (in.) | Upper Body SW (mm) | Upper Body SW (in.) |                    |                     |                     |             |
| KBAU01MBNCWCLE | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Nickel-plated Brass | Chloroprene |
| KBAU1MBNCWCLE  | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Nickel-plated Brass | Chloroprene |
| KBAU2MBNCWCLE  | 12.0-16.0           | 0.47-0.63 | 16.0-21.0 | 0.63-0.83 | 34.0          | 1.34         | 34.0               | 1.34                | 32.0               | 1.26                | Nickel-plated Brass | Chloroprene |
| KBAU3MBNCWCLE  | 15.0-26.0           | 0.59-1.02 | 20.0-33.0 | 0.79-1.30 | 52.0          | 2.05         | 52.0               | 2.05                | 48.0               | 1.89                | Nickel-plated Brass | Chloroprene |
| KBAU4MBNCWCLE  | 20.0-32.0           | 0.79-1.26 | 29.0-41.0 | 1.14-1.61 | 60.0          | 2.36         | 60.0               | 2.36                | 55.0               | 2.17                | Nickel-plated Brass | Chloroprene |
| KBAU5MBNCWCLE  | 27.0-41.0           | 1.06-1.61 | 36.0-52.0 | 1.42-2.05 | 74.0          | 2.91         | 70.0               | 2.76                | 70.0               | 2.76                | Nickel-plated Brass | Chloroprene |
| KBAU6MBNCWCLE  | 40.0-52.0           | 1.57-2.05 | 47.0-60.0 | 1.85-2.36 | 85.0          | 3.35         | 85.0               | 3.35                | 85.0               | 3.35                | Nickel-plated Brass | Chloroprene |
| KBAU01MXSWSLE  | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Stainless Steel     | Silicone    |
| KBAU1MXSWSLE   | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Stainless Steel     | Silicone    |
| KBAU2MXSWSLE   | 12.0-16.0           | 0.47-0.63 | 16.0-21.0 | 0.63-0.83 | 34.0          | 1.34         | 34.0               | 1.34                | 32.0               | 1.26                | Stainless Steel     | Silicone    |
| KBAU3MXSWSLE   | 15.0-26.0           | 0.59-1.02 | 20.0-33.0 | 0.79-1.30 | 52.0          | 2.05         | 52.0               | 2.05                | 48.0               | 1.89                | Stainless Steel     | Silicone    |
| KBAU4MXSWSLE   | 20.0-32.0           | 0.79-1.26 | 29.0-41.0 | 1.14-1.61 | 60.0          | 2.36         | 60.0               | 2.36                | 55.0               | 2.17                | Stainless Steel     | Silicone    |
| KBAU5MXSWSLE   | 27.0-41.0           | 1.06-1.61 | 36.0-52.0 | 1.42-2.05 | 74.0          | 2.91         | 70.0               | 2.76                | 70.0               | 2.76                | Stainless Steel     | Silicone    |
| KBAU6MXSWSLE   | 40.0-52.0           | 1.57-2.05 | 47.0-60.0 | 1.85-2.36 | 85.0          | 3.35         | 85.0               | 3.35                | 85.0               | 3.35                | Stainless Steel     | Silicone    |
| KBAU01NBNC     | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Nickel-plated Brass | Chloroprene |
| KBAU1NBNCLE    | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Nickel-plated Brass | Chloroprene |
| KBAU2NBNCLE    | 12.0-16.0           | 0.47-0.63 | 16.0-21.0 | 0.63-0.83 | 34.0          | 1.34         | 34.0               | 1.34                | 32.0               | 1.26                | Nickel-plated Brass | Chloroprene |
| KBAU3NBNCLE    | 15.0-26.0           | 0.59-1.02 | 20.0-33.0 | 0.79-1.30 | 52.0          | 2.05         | 52.0               | 2.05                | 48.0               | 1.89                | Nickel-plated Brass | Chloroprene |
| KBAU4NBNCLE    | 20.0-32.0           | 0.79-1.26 | 29.0-41.0 | 1.14-1.61 | 60.0          | 2.36         | 60.0               | 2.36                | 55.0               | 2.17                | Nickel-plated Brass | Chloroprene |
| KBAU5NBNCLE    | 27.0-41.0           | 1.06-1.61 | 36.0-52.0 | 1.42-2.05 | 74.0          | 2.91         | 70.0               | 2.76                | 70.0               | 2.76                | Nickel-plated Brass | Chloroprene |
| KBAU6NBNCLE    | 40.0-52.0           | 1.57-2.05 | 47.0-60.0 | 1.85-2.36 | 85.0          | 3.35         | 85.0               | 3.35                | 85.0               | 3.35                | Nickel-plated Brass | Chloroprene |
| KBAU01NXS      | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Stainless Steel     | Silicone    |
| KBAU1NXSLE     | 6.0-12.0            | 0.24-0.47 | 8.5-16.0  | 0.33-0.63 | 29.0          | 1.14         | 29.0               | 1.14                | 25.0               | 0.98                | Stainless Steel     | Silicone    |
| KBAU1NXSLE     | 12.0-16.0           | 0.47-0.63 | 16.0-21.0 | 0.63-0.83 | 34.0          | 1.34         | 34.0               | 1.34                | 32.0               | 1.26                | Stainless Steel     | Silicone    |
| KBAU3NXSLE     | 15.0-26.0           | 0.59-1.02 | 20.0-33.0 | 0.79-1.30 | 52.0          | 2.05         | 52.0               | 2.05                | 48.0               | 1.89                | Stainless Steel     | Silicone    |
| KBAU4NXSLE     | 20.0-32.0           | 0.79-1.26 | 29.0-41.0 | 1.14-1.61 | 60.0          | 2.36         | 60.0               | 2.36                | 55.0               | 2.17                | Stainless Steel     | Silicone    |
| KBAU5NXSLE     | 27.0-41.0           | 1.06-1.61 | 36.0-52.0 | 1.42-2.05 | 74.0          | 2.91         | 70.0               | 2.76                | 70.0               | 2.76                | Stainless Steel     | Silicone    |
| KBAU6NXSLE     | 40.0-52.0           | 1.57-2.05 | 47.0-60.0 | 1.85-2.36 | 85.0          | 3.35         | 85.0               | 3.35                | 85.0               | 3.35                | Stainless Steel     | Silicone    |



89137113

## HAZARDOUS LOCATION CABLE GLANDS FOR NON-ARMORED CABLE , NON-ME TALL IC (EX E/TB)



### INDUSTRY STANDARDS

II2GD Ex e IIC Gb, Ex tb IIIC Db IP66/68

Approved to Test Standards: IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 60079-31

Ingress Protection: IP66/68 (EN60529)

Certificate No.: IMQ 13 ATEX 010X / IECEx IMQ 13.0003X. Suitable for use in:

- Zone 1 and 2, Gas Group IIC
- Zone 21 and 22, Dust Group IIIC

Other Approvals:

EAC, INMETRO, DNV-GL

### Standard Product

| Catalog Number | Size       | Thread Length min.<br>TL (mm) | Thread Length min.<br>TL (in.) | Thread Dia.<br>TD (mm) | Thread Dia.<br>TD (in.) | Outer Dia. min.<br>D2 (mm) | Outer Dia. min.<br>D2 (in.) | Height min.<br>H (mm) | Height min.<br>H (in.) |
|----------------|------------|-------------------------------|--------------------------------|------------------------|-------------------------|----------------------------|-----------------------------|-----------------------|------------------------|
| HIBMX1CWCL     | M16x1.5    | 10.0                          | 0.39                           | 16.0                   | 0.63                    | 25.0                       | 0.98                        | 21.5                  | 0.85                   |
| HIBMX2CWCL     | M20x1.5    | 10.0                          | 0.39                           | 20.0                   | 0.79                    | 27.5                       | 1.08                        | 23.0                  | 0.91                   |
| HIBMXEU25CWCL  | M25x1.5    | 10.0                          | 0.39                           | 25.0                   | 0.98                    | 32.5                       | 1.28                        | 27.0                  | 1.06                   |
| HIBMXEU32CWCL  | M32x1.5    | 10.0                          | 0.39                           | 32.0                   | 1.26                    | 41.0                       | 1.61                        | 31.0                  | 1.22                   |
| HIBNX1C        | NPT3/8 in. | 15.0                          | 0.59                           | 17.1                   | 0.67                    | 25.0                       | 0.98                        | 21.5                  | 0.85                   |
| HIBNX2C        | NPT1/2 in. | 15.0                          | 0.59                           | 21.3                   | 0.84                    | 27.5                       | 1.08                        | 23.0                  | 0.91                   |
| HIBNX3C        | NPT3/4 in. | 15.0                          | 0.59                           | 26.7                   | 1.05                    | 37.0                       | 1.46                        | 28.0                  | 1.10                   |
| HIBNX4C        | NPT1 in.   | 18.0                          | 0.71                           | 33.4                   | 1.31                    | 47.5                       | 1.87                        | 32.5                  | 1.28                   |

### Additional Specifications

| Catalog Number | Clamping Range Dia. |           | Spanner Width  |                 | Body<br>SW (mm) | Body<br>SW (in.) | Material  | Sealing     |
|----------------|---------------------|-----------|----------------|-----------------|-----------------|------------------|-----------|-------------|
|                | D (mm)              | D (in.)   | Cap<br>SW (mm) | Cap<br>SW (in.) |                 |                  |           |             |
| HIBMX1CWCL     | 6.0-10.0            | 0.24-0.39 | 22.0           | 0.87            | 22.0            | 0.87             | Polyamide | Chloroprene |
| HIBMX2CWCL     | 7.0-12.0            | 0.28-0.47 | 24.0           | 0.94            | 24.0            | 0.94             | Polyamide | Chloroprene |
| HIBMXEU25CWCL  | 12.0-17.0           | 0.47-0.67 | 29.0           | 1.14            | 29.0            | 1.14             | Polyamide | Chloroprene |
| HIBMXEU32CWCL  | 16.0-21.0           | 0.63-0.83 | 36.0           | 1.42            | 36.0            | 1.42             | Polyamide | Chloroprene |
| HIBNX1C        | 6.0-10.0            | 0.24-0.39 | 22.0           | 0.87            | 22.0            | 0.87             | Polyamide | Chloroprene |
| HIBNX2C        | 7.0-12.0            | 0.28-0.47 | 24.0           | 0.94            | 24.0            | 0.94             | Polyamide | Chloroprene |
| HIBNX3C        | 14.0-18.0           | 0.55-0.71 | 33.0           | 1.30            | 33.0            | 1.30             | Polyamide | Chloroprene |
| HIBNX4C        | 19.0-25.0           | 0.75-0.98 | 42.0           | 1.65            | 42.0            | 1.65             | Polyamide | Chloroprene |

### APPLICATION

Hazloc cable glands provide strain relief, sealing and secure entry of cables into enclosures or electrical equipment in hazardous areas. Suitable for Zone 1, 2, 21 or 22 with ATEX and IEC certifications, these cable glands are reliable to protect critical processes and people where explosive gas and dust may be present. Constructed of polyamide 6 and available in various thread types and sizes, our hazloc cable glands are designed to be used in many applications and under extreme environments.

### FEATURES

- Suitable for non-armored cables in increased safety (ex e) and dust (ex tb) applications
- Provide high level of protection and reliability in extreme environments with impact resistance of up to 7 Joules
- All metric thread cable glands are packaged as kits. Each kit includes a chloroprene washer and a locknut

### SPECIFICATIONS

- Available in polyamide 6 material with chloroprene seal
- Available in Metric (M) and NPT (N) thread type
- Operating temperature from -40 C to 70 C with chloroprene seal

### BULLETIN: HLY

