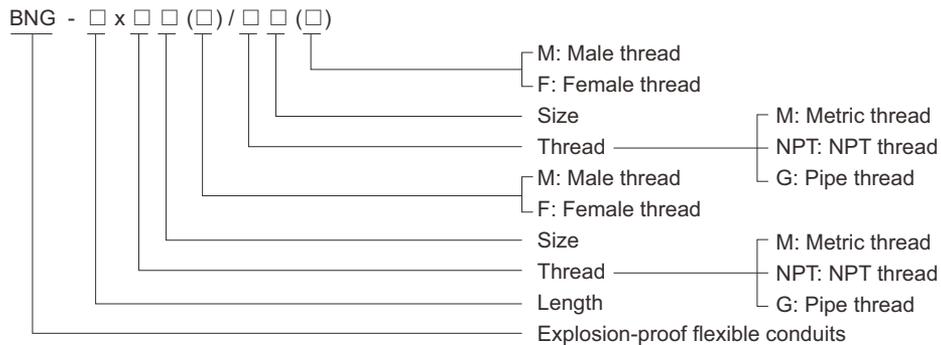


## Flexible Conduits BNG Series Stainless Steel Explosion-proof Flexible Conduits



- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 1, Groups A, B, C, D
- ◆ Ex d structure; stainless steel body; connectors at both ends in stainless steel.
- ◆ Application:
  - Widely used for flexible connection between explosion-proof boxes or explosion-proof light fittings and pipes
  - Protect cable from any damage
  - Highly corrosion-proof

### Catalogue number logic



### Technical data

#### Stainless steel explosion-proof flexible conduits BNG-□x□□(□)/□□(□)

|                                |  |
|--------------------------------|--|
| <b>Explosion protection</b>    | IECEX CQM 11.0014U<br>Ex d IIC Gb<br>Ex tD A21 IP66  |
| Global (IECEX)<br>Gas and dust |  |
| Europe (ATEX)<br>Gas and dust  | DNV 10 ATEX 87636U<br>⊕ II 2 G Ex d IIC Gb<br>⊕ II 2 D Ex tD A21 IP66                                |
| <b>Certificates</b>            | IECEX; ATEX; CU-TR   |
| <b>Conformity to standards</b> | EN 60079-0, EN 60079-1, EN 61241-0, EN 61241-1<br>IEC 60079-0, IEC 60079-1, IEC 61241-0, IEC 61241-1 |
| <b>Material</b>                | Stainless steel body; connectors at both ends in stainless steel                                     |
| <b>Degree of protection</b>    | IP66   |
| <b>Ambient temperature</b>     | -60 ~+55   |
| <b>Connection thread</b>       | Metric thread is standard type; G thread or NPT thread is optional                                   |
| <b>Type</b>                    | F/F, M/F or M/M  |

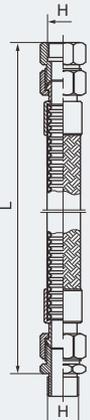
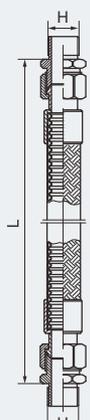
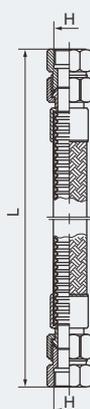
**Note:** 1. M75, M90, M115 equivalent G thread and NPT thread can be customized, other length can be customized.  
2. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

## Zones 1&2; 21&22

## Flexible Conduits

### BNG Series Stainless Steel Explosion-proof Flexible Conduits

Selection table

| Version  | Internal nominal diameter (mm) | Pipe connector thread "H" |        |        | Length L (mm) | Minimum bending radius (mm) | Ordering code | Weight (kg) |
|--|--------------------------------|---------------------------|--------|--------|---------------|-----------------------------|---------------|-------------|
|  |                                | Metric                    | NPT    | G      |               |                             |               |             |
| <br>BNG-□x□□(M)/□□(F)   | 13                             | M20                       | 1/2"   | 1/2"   | 700           | 80                          | 712001        | 0.55        |
|  | 13                             | M20                       | 1/2"   | 1/2"   | 1000          | 80                          | 712002        | 0.70        |
|  | 15                             | M25                       | 3/4"   | 3/4"   | 700           | 110                         | 712003        | 0.85        |
|  | 15                             | M25                       | 3/4"   | 3/4"   | 1000          | 110                         | 712004        | 1.00        |
|  | 18                             | M32                       | 1"     | 1"     | 700           | 145                         | 712005        | 1.05        |
|  | 18                             | M32                       | 1"     | 1"     | 1000          | 145                         | 712006        | 1.15        |
|  | 25                             | M40                       | 1 1/4" | 1 1/4" | 700           | 180                         | 712007        | 1.25        |
|  | 25                             | M40                       | 1 1/4" | 1 1/4" | 1000          | 180                         | 712008        | 1.30        |
|  | 30                             | M50                       | 1 1/2" | 1 1/2" | 700           | 210                         | 712009        | 1.70        |
|  | 30                             | M50                       | 1 1/2" | 1 1/2" | 1000          | 210                         | 712010        | 1.95        |
| <br>BNG-□x□□(M)/□□(M) | 47                             | M63                       | 2"     | 2"     | 700           | 250                         | 712011        | 2.35        |
|  | 47                             | M63                       | 2"     | 2"     | 1000          | 250                         | 712012        | 2.40        |
|  | 13                             | M20                       | 1/2"   | 1/2"   | 700           | 80                          | 712013        | 0.50        |
|  | 13                             | M20                       | 1/2"   | 1/2"   | 1000          | 80                          | 712014        | 0.65        |
|  | 15                             | M25                       | 3/4"   | 3/4"   | 700           | 110                         | 712015        | 0.80        |
|  | 15                             | M25                       | 3/4"   | 3/4"   | 1000          | 110                         | 712016        | 0.95        |
|  | 18                             | M32                       | 1"     | 1"     | 700           | 145                         | 712017        | 1.00        |
|  | 18                             | M32                       | 1"     | 1"     | 1000          | 145                         | 712018        | 1.05        |
|  | 25                             | M40                       | 1 1/4" | 1 1/4" | 700           | 180                         | 712019        | 1.15        |
|  | 25                             | M40                       | 1 1/4" | 1 1/4" | 1000          | 180                         | 712020        | 1.20        |
| <br>BNG-□x□□(F)/□□(F) | 30                             | M50                       | 1 1/2" | 1 1/2" | 700           | 210                         | 712021        | 1.60        |
|  | 30                             | M50                       | 1 1/2" | 1 1/2" | 1000          | 210                         | 712022        | 1.80        |
|  | 47                             | M63                       | 2"     | 2"     | 700           | 250                         | 712023        | 2.15        |
|  | 47                             | M63                       | 2"     | 2"     | 1000          | 250                         | 712024        | 2.25        |
|  | 13                             | M20                       | 1/2"   | 1/2"   | 700           | 80                          | 712025        | 0.65        |
|  | 13                             | M20                       | 1/2"   | 1/2"   | 1000          | 80                          | 712026        | 0.75        |
|  | 15                             | M25                       | 3/4"   | 3/4"   | 700           | 110                         | 712027        | 0.95        |
|  | 15                             | M25                       | 3/4"   | 3/4"   | 1000          | 110                         | 712028        | 1.05        |
|  | 18                             | M32                       | 1"     | 1"     | 700           | 145                         | 712029        | 1.10        |
|  | 18                             | M32                       | 1"     | 1"     | 1000          | 145                         | 712030        | 1.30        |
|  | 25                             | M40                       | 1 1/4" | 1 1/4" | 700           | 180                         | 712031        | 1.35        |
|  | 25                             | M40                       | 1 1/4" | 1 1/4" | 1000          | 180                         | 712032        | 1.40        |
|  | 30                             | M50                       | 1 1/2" | 1 1/2" | 700           | 210                         | 712033        | 1.80        |
|  | 30                             | M50                       | 1 1/2" | 1 1/2" | 1000          | 210                         | 712034        | 2.15        |
|  | 47                             | M63                       | 2"     | 2"     | 700           | 250                         | 712035        | 2.55        |
|  | 47                             | M63                       | 2"     | 2"     | 1000          | 250                         | 712036        | 3.15        |

