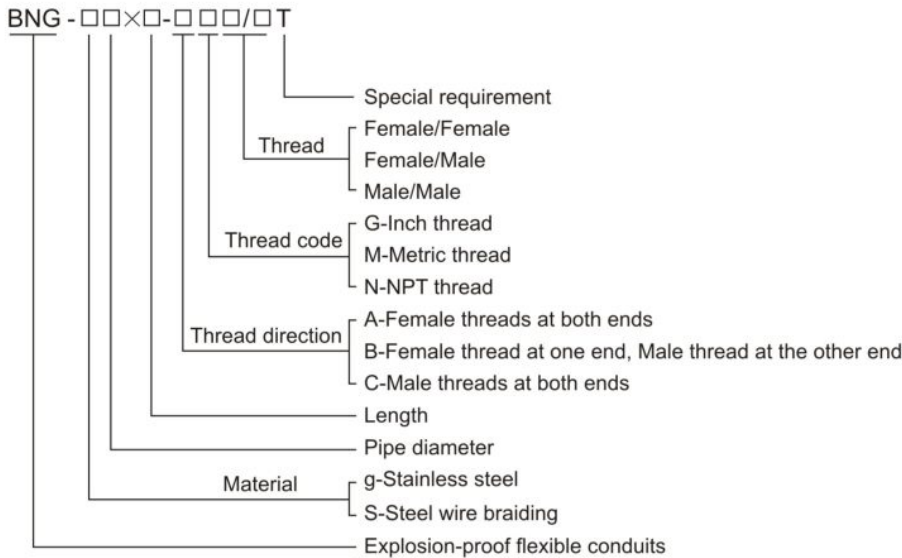


### 1 Application and Features

- Explosion protection
  - China Ex(GB)
- Application in hazardous area
  - Zone 1 and Zone 2
  - Zone 20, Zone 21 and Zone 22
- Flame-proof (Type 'd') structure.
  - The middle part of BNG-g flexible conduit is stainless steel flexible pipe and network pipe, and the joints at both ends are made of stainless steel.
  - The middle part of BNG-S flexible conduit is a rubber tube reinforced with a metal mesh tube, and the joints at both ends are made of carbon steel.
- Widely used in the connection between explosion-proof boxes or explosion-proof lamps and pipes, to protect cables from damage and corrosion resistance.

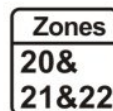
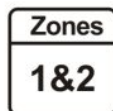


### 2 Nomenclature



### 3 Technical Parameter

Ex marking	Gas	Ex d IIC Gb
	Dust	Ex tD A20 IP65
Conformity to standards		GB3836.1, GB3836.2, GB12476.1, GB12476.5
Enclosure material	BNG-g	Stainless steel 304 as standard. If special requirements, please specify when ordering.
	BNG-S	The middle part is a rubber tube reinforced with a metal mesh tube with Q235 galvanized joints at both ends
Degree of protection		IP65
Ambient temperature		-20℃ ~ +60℃
Structure type		Female/Female, Female/Male, Male/Male, G1/2 ~ G2 as standard. Special requirements, such as Metric thread (M) (1.5mm pitch), NPT thread, please specify when ordering.



### 4 Selection Table

Thread specification			Pipe nominal diameter (mm)	Pipe internal diameter (mm)		Length L (mm)	Minimum bending radius (mm)
G	M	NPT		BNG-g	BNG-S		
1/2	M20X1.5	1/2	15	12.5	13	700	80
1/2	M20X1.5	1/2	15	12.5	13	1000	80
3/4	M25X1.5	3/4	20	17.5	17	700	110
3/4	M25X1.5	3/4	20	17.5	17	1000	110
1	M32X1.5	1	25	23	20	700	145
1	M32X1.5	1	25	23	20	1000	145
1 1/4	M40X1.5	1 1/4	32	30.5	28	700	180
1 1/4	M40X1.5	1 1/4	32	30.5	28	1000	180
1 1/2	M50X1.5	1 1/2	40	35	34	700	210
1 1/2	M50X1.5	1 1/2	40	35	34	1000	210
2	M63X1.5	2	50	45.5	46	700	250
2	M63X1.5	2	50	45.5	46	1000	250

### 5 Weight

Thread	Type	Weight of 1 meter long middle flexible tube (kg)	Weight of joints at both ends (kg)	Type	Weight of 1 meter long middle flexible tube (kg)	Weight of joints at both ends (kg)	Type	Weight of 1 meter long middle flexible tube (kg)	Weight of joints at both ends (kg)
G1/2	BNG-g-A	0.5	0.26	BNG-g-B	0.5	0.27	BNG-g-C	0.5	0.28
G3/4	BNG-g-A	0.7	0.36	BNG-g-B	0.7	0.41	BNG-g-C	0.7	0.45
G1	BNG-g-A	0.9	0.42	BNG-g-B	0.9	0.48	BNG-g-C	0.9	0.53
G1 1/4	BNG-g-A	1.1	0.6	BNG-g-B	1.1	0.74	BNG-g-C	1.1	0.88
G1 1/2	BNG-g-A	1.6	1.1	BNG-g-B	1.6	1.2	BNG-g-C	1.6	1.4
G2	BNG-g-A	1.9	1.8	BNG-g-B	1.9	2.1	BNG-g-C	1.9	2.3
G1/2	BNG-S-A	0.4	0.26	BNG-S-B	0.4	0.27	BNG-S-C	0.4	0.28
G3/4	BNG-S-A	0.6	0.36	BNG-S-B	0.6	0.41	BNG-S-C	0.6	0.45
G1	BNG-S-A	0.75	0.42	BNG-S-B	0.75	0.48	BNG-S-C	0.75	0.53
G1 1/4	BNG-S-A	0.83	0.6	BNG-S-B	0.83	0.74	BNG-S-C	0.83	0.88
G1 1/2	BNG-S-A	1.5	1.1	BNG-S-B	1.5	1.2	BNG-S-C	1.5	1.4
G2	BNG-S-A	1.8	1.8	BNG-S-B	1.8	2.1	BNG-S-C	1.8	2.3

Note: M thread and NPT thread refer to the corresponding G thread weight above.