

## Cable Glands

### DQM-I Series Explosion-proof Cable Glands (Ex e)

#### Plastic Unarmored



Without stopping rod



With stopping rod

- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Class I, Zone 1 and Zone 2
  - Class I, Division 2, Groups A, B, C, D
- ◆ Ex e structure, made of plastic, black.
- ◆ Single seal, suitable for unarmored cable.

#### Technical data

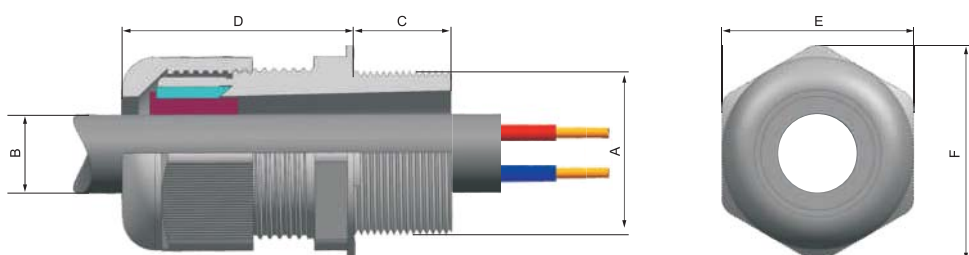
#### Explosion-proof cable glands DQM-I (plastic unarmored)

Explosion protection	Ex II 2 G Ex e II
Certificates	PTB 04 ATEX 1087X; IECEX CQM 07.0009; RU C-CN.ГБ08.B.00927(CU-TR)
Conformity to standards	EN 50014, EN 50019 IEC 60079-0, IEC 60079-7
Gland material	Plastic, black
Degree of protection	IP65
Ambient temperature	-20°C~+55°C
Connection thread	Metric thread is standard type; G thread is optional, but limited at G3/4"; NPT thread is not suitable

#### Selection table

Gland size	Entry thread "A"	Cable outer diameter B (mm)		Minimum thread length C (mm)	Nominal protrusion length D (mm)	Across flats E (mm)	Across corners F (mm)	Ordering code	Weight (kg)
		Min	Max						
16	M16 x 1.5	5	8	15	27	19	21	705001	0.05
20	M20 x 1.5	6	10	15	29	24	26	705002	0.05
25	M25 x 1.5	9	12	15	33	30	33	705003	0.05
		12	16						
3/4	G 3/4"	9	12	15	33	30	33	705004	0.05
		12	16						
32	M32 x 1.5	10	18	15	35	41	45	705005	0.05
40	M40 x 1.5	17	25	14	46	50	55	705006	0.10
50	M50 x 1.5	23	32	14	51	57	63	705007	0.11
63	M63 x 1.5	32	44	15	51	70	78	705008	0.15

**Note:** 1. Supplied with locknut (nickel plated brass) and seal gasket, without stopping rod.  
2. Stopping rod on request. See P7/31.



## Cable Glands

### DQM-I Series Explosion-proof Cable Glands (Ex e IIC)

#### Metal Unarmored

- ◆ 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 2, Groups A, B, C, D
- ◆ Ex e structure; available in stainless steel, nickel plated brass or galvanized carbon steel.
- ◆ Single seal, suitable for unarmored cable.



#### Technical data

##### Explosion-proof cable glands DQM-I (metal unarmored)

##### Explosion protection

Gas explosion protection  
Dust explosion protection

⊕ II 2 G Ex e IIC Gb  
⊕ II 2 D Ex tb IIIC Db IP66 / IP67

##### Certificates

EPT 15 ATEX 1965; IECEx (applied for); RU C-CN.ГБ08.B.00927 (CU-TR)  
KZ.7500525.22.01.00376 (CU-TR)

##### Conformity to standards

EN 60079-0, EN 60079-7, EN 60079-31  
IEC 60079-0, IEC 60079-7, IEC 60079-31

##### Gland material

Stainless steel, nickel plated brass or galvanized carbon steel

##### Degree of protection

IP66 / IP67

##### Ambient temperature

-60°C ~ +100°C

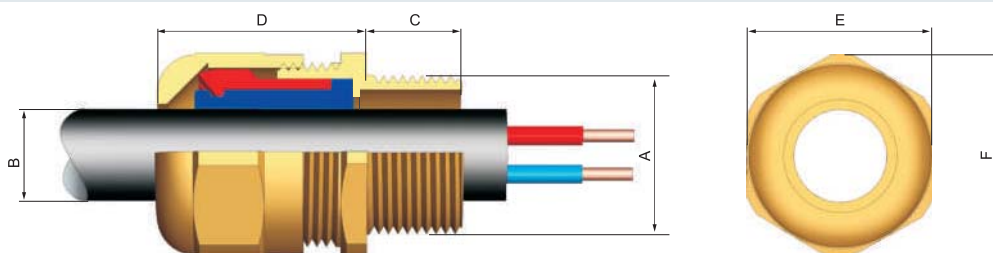
##### Connection thread

Metric thread is standard type; G thread or NPT thread is optional

#### Selection table

Gland size	Entry thread "A"			Cable outer diameter B (mm)		Minimum thread length C (mm)	Nominal protrusion length D (mm)	Across flats E (mm)	Across corners F (mm)	Ordering code	Weight (kg)
	Metric	NPT	G	Min	Max						
20	M20	1/2"	1/2"	5	10	15	33	27	30	706001	0.15
25	M25	3/4"	3/4"	9	14	15	33	32	35	706002	0.15
32	M32	1"	1"	13	18	19	37	38	41	706003	0.30
40	M40	1 1/4"	1 1/4"	17	24	19	40	47	50	706004	0.50
50	M50	1 1/2"	1 1/2"	22	32	19	40	55	60	706005	0.55
63	M63	2"	2"	31	44	19	53	68	72	706006	0.70
75	M75	2 1/2"	2 1/2"	43	56	19	53	80	85	706007	0.90

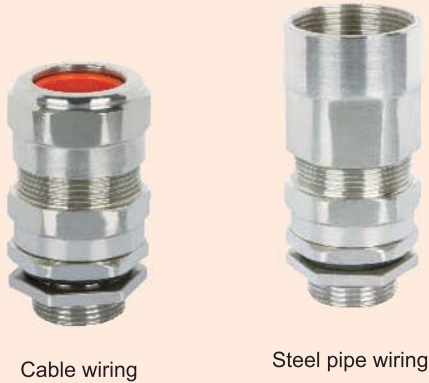
- Note:** 1. Standard material is galvanized carbon steel. Nickel plated brass or stainless steel is optional. Above weight is based upon galvanized carbon steel.  
2. Supplied with locknut and seal gasket.  
3. Earth lug and shroud on request. See P7/32~33.  
4. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.



## Cable Glands

### DQM-I Series Explosion-proof Cable Glands (Ex e IIC)

#### Metal Armored

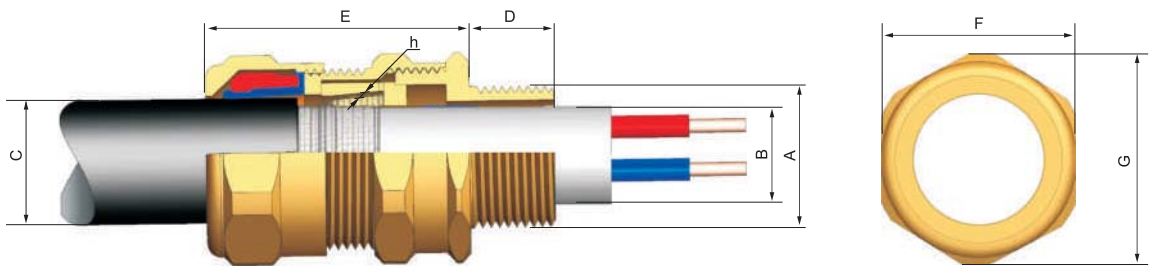


- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 2, Groups A, B, C, D
- ◆ Ex e structure; available in stainless steel, nickel plated brass or galvanized carbon steel.
- ◆ Single seal, suitable for both armored and unarmored cable.

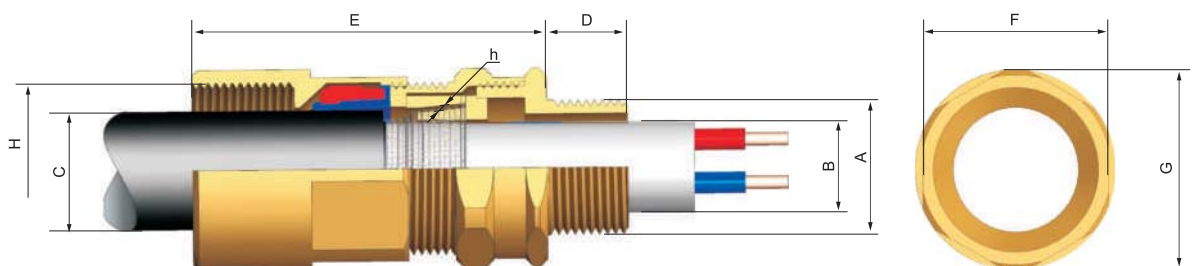
#### Technical data

#### Explosion-proof cable glands DQM-I (metal armored)

<b>Explosion protection</b>	<ul style="list-style-type: none"> <li>Gas explosion protection <math>\text{Ex II 2 G Ex e IIC Gb}</math></li> <li>Dust explosion protection <math>\text{Ex II 2 D Ex tb IIIC Db IP66 / IP67}</math></li> </ul>
<b>Certificates</b>	EPT 15 ATEX 1965; IECEx (applied for); RU C-CN.ГБ08.B.00927(CU-TR) KZ.7500525.22.01.00376 (CU-TR)
<b>Conformity to standards</b>	EN 60079-0, EN 60079-7, EN 60079-31 IEC 60079-0, IEC 60079-7, IEC 60079-31
<b>Gland material</b>	Stainless steel, nickel plated brass or galvanized carbon steel
<b>Degree of protection</b>	IP66 / IP67
<b>Ambient temperature</b>	-60°C ~ +100°C
<b>Connection thread</b>	Metric thread is standard type; G thread or NPT thread is optional



Cable wiring



Steel pipe wiring

## Cable Glands

### DQM-I Series Explosion-proof Cable Glands (Ex e IIC)

### Metal Armored

#### Selection table of cable wiring

Gland size	Entry thread "A"			Cable outer diameter B (mm)	Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across flats F (mm)	Across corners G (mm)	Range of armored thickness h (mm)	Ordering code	Weight (kg)
	Metric	NPT	G		Min	Max							
20A	M20	1/2"	1/2"	10.5	5.5	12.0	15	51	27	30	0.3~1.0	707001	0.11
20B	M20	1/2"	1/2"	10.5	9.5	16.0	15	51	27	30	0.3~1.0	707002	0.14
20C	M20	1/2"	1/2"	14.5	12.5	20.5	15	53	32	35	0.3~1.0	707003	0.14
25A	M25	3/4"	3/4"	10.5	9.5	16.0	15	51	34	37	0.3~1.0	707004	0.18
25B	M25	3/4"	3/4"	14.5	12.5	20.5	15	53	34	37	0.3~1.0	707005	0.17
25C	M25	3/4"	3/4"	19.5	17.0	26.0	15	58	41	45	0.4~1.2	707006	0.17
32A	M32	1"	1"	14.5	12.5	20.5	19	53	41	45	0.4~1.2	707007	0.20
32B	M32	1"	1"	19.5	17.0	26.0	19	58	41	45	0.4~1.2	707008	0.26
32C	M32	1"	1"	25.5	22.0	33.0	19	62	49	54	0.4~1.4	707009	0.28
40A	M40	1 1/4"	1 1/4"	19.5	17.0	26.0	19	58	49	54	0.4~1.4	707010	0.28
40B	M40	1 1/4"	1 1/4"	25.5	22.0	33.0	19	62	49	54	0.6~1.9	707011	0.31
40C	M40	1 1/4"	1 1/4"	31.0	28.0	41.0	19	69	60	65	0.6~2.2	707012	0.37
50A	M50	1 1/2"	1 1/2"	25.5	22.0	33.0	19	62	60	65	0.6~2.2	707013	0.37
50B	M50	1 1/2"	1 1/2"	31.0	28.0	41.0	19	69	60	65	0.8~2.3	707014	0.55
50C	M50	1 1/2"	1 1/2"	37.0	36.0	52.5	19	77	72	77	0.8~2.3	707015	0.70
63A	M63	2"	2"	31.0	28.0	41.0	19	69	72	77	0.8~2.3	707016	0.85
63B	M63	2"	2"	37.0	36.0	52.5	19	77	72	77	0.9~2.4	707017	1.00
63C	M63	2"	2"	49.0	46.0	65.0	19	95	86	93	0.9~2.4	707018	1.30
75A	M75	2 1/2"	2 1/2"	37.0	36.0	52.5	19	77	84	90	0.9~2.4	707019	2.40
75B	M75	2 1/2"	2 1/2"	55.0	46.0	65.0	19	95	86	93	0.9~2.4	707020	2.70
75C	M75	2 1/2"	2 1/2"	64.0	57.0	78.0	19	100	102	110	0.9~2.4	707021	2.80
90	M90	3"	3"	75.0	68.0	88.0	19	100	112	121	0.9~2.4	707022	3.70
115	M115	4"	4"	90.0	83.0	103.0	19	106	127	137	0.9~2.8	707023	4.40

#### Selection table of steel pipe wiring

Gland size	Entry thread "A"			Entry thread "H"			Cable outer diameter B (mm)	Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across flats F (mm)	Across corners G (mm)	Range of armored thickness h (mm)	Ordering code	Weight (kg)
	Metric	NPT	G	Metric	NPT	G		Max	Min							
20A	M20	1/2"	1/2"	M20	1/2"	1/2"	10.5	5.5	12.0	15	66	27	30	0.3~1.0	707024	0.14
20B	M20	1/2"	1/2"	M20	1/2"	1/2"	10.5	9.5	16.0	15	66	27	30	0.3~1.0	707025	0.18
20C	M20	1/2"	1/2"	M25	3/4"	3/4"	14.5	12.5	20.5	15	66	32	35	0.3~1.0	707026	0.18
25A	M25	3/4"	3/4"	M20	1/2"	1/2"	10.5	9.5	16.0	15	66	34	37	0.3~1.0	707027	0.23
25B	M25	3/4"	3/4"	M25	3/4"	3/4"	14.5	12.5	20.5	15	68	34	37	0.3~1.0	707028	0.25
25C	M25	3/4"	3/4"	M32	1"	1"	19.5	17.0	26.0	15	73	41	45	0.4~1.2	707029	0.25
32A	M32	1"	1"	M25	3/4"	3/4"	14.5	12.5	20.5	19	68	41	45	0.4~1.2	707030	0.25
32B	M32	1"	1"	M32	1"	1"	19.5	17.0	26.0	19	77	41	45	0.4~1.2	707031	0.30
32C	M32	1"	1"	M40	1 1/4"	1 1/4"	25.5	22.0	33.0	19	77	49	54	0.4~1.4	707032	0.32
40A	M40	1 1/4"	1 1/4"	M32	1"	1"	19.5	17.0	26.0	19	77	49	54	0.4~1.4	707033	0.32
40B	M40	1 1/4"	1 1/4"	M40	1 1/4"	1 1/4"	25.5	22.0	33.0	19	81	49	54	0.6~1.9	707034	0.32
40C	M40	1 1/4"	1 1/4"	M50	1 1/2"	1 1/2"	31.0	28.0	41.0	19	89	60	65	0.6~2.2	707035	0.42
50A	M50	1 1/2"	1 1/2"	M40	1 1/4"	1 1/4"	25.5	22.0	33.0	19	81	60	65	0.6~2.2	707036	0.42
50B	M50	1 1/2"	1 1/2"	M50	1 1/2"	1 1/2"	31.0	28.0	41.0	19	88	60	65	0.8~2.3	707037	0.65
50C	M50	1 1/2"	1 1/2"	M63	2"	2"	37.0	36.0	52.5	19	97	72	77	0.8~2.3	707038	0.80
63A	M63	2"	2"	M50	1 1/2"	1 1/2"	31.0	28.0	41.0	19	86	72	77	0.8~2.3	707039	0.98
63B	M63	2"	2"	M63	2"	2"	37.0	36.0	52.5	19	97	72	77	0.9~2.4	707040	0.35
63C	M63	2"	2"	M75	2 1/2"	2 1/2"	49.0	46.0	65.0	19	112	86	93	0.9~2.4	707041	1.65
75A	M75	2 1/2"	2 1/2"	M63	2"	2"	37.0	36.0	52.5	19	96	84	90	0.9~2.4	707042	2.70
75B	M75	2 1/2"	2 1/2"	M75	2 1/2"	2 1/2"	55.0	46.0	65.0	19	112	86	93	0.9~2.4	707043	3.00
75C	M75	2 1/2"	2 1/2"	M90	3"	3"	64.0	57.0	78.0	19	119	102	110	0.9~2.4	707044	3.40
90	M90	3"	3"	M115	4"	4"	75.0	68.0	88.0	19	119	112	121	0.9~2.4	707045	4.00
115	M115	4"	4"	M125	4 1/2"	4 1/2"	90.0	83.0	103.0	19	125	127	137	0.9~2.8	707046	4.80

- Note:** 1. Standard material is nickel plated brass. Stainless steel or galvanized carbon steel is optional. Above weight is based upon nickel plated brass.  
 2. Earth lug and shroud on request. See P7/32~33.  
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

