

Cable Glands

DQM-II/III Series Explosion-proof Cable Glands (Ex d IIC Ex e IIC)

Armored Double Seal

- ◆ 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, Ex e structure; available in stainless steel or nickel plated brass.
- ◆ Double seal, suitable for both armored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.



Technical data

Explosion-proof cable glands DQM-II/III (armored double seal)

Explosion protection

Global (IECEX)

IECEX LCI 08.0011X

Gas and dust

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

LCIE 06 ATEX 6100X

Gas and dust

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates

IECEX; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Gland material

Stainless steel or nickel plated brass

Degree of protection

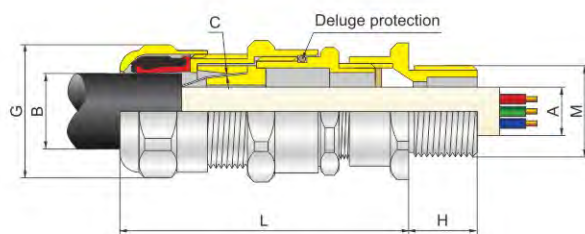
IP66

Ambient temperature

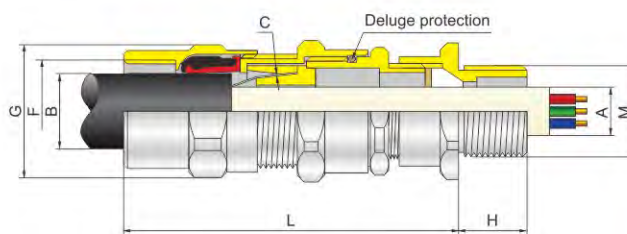
-60°C~+100°C

Connection thread

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



Cable wiring
DQM-II/III-D



Steel pipe wiring
DQM-II/III-G

Cable Glands

DQM-II/III Series Explosion-proof Cable Glands (Ex d IIC Ex e IIC)

Armored Double Seal

Selection table of cable wiring (DQM-II/III-D)

Entry thread "M"		Spec. code	Cable outer diameter A (mm)				Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)
			Standard Seal		Alternative Seal (K)		Min	Max				Standard		Alternative (AR)			
Metric	NPT/G		Min	Max	Min	Max			Min	Max				X	W	X	W
M20	1/2"	A	4.0	8.0	-	-	5.5	12.0	15	70	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709001	0.16
M20	1/2"	B	6.5	10.5	-	-	9.0	16.0	15	70	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709002	0.16
M20	1/2"	C	10.0	14.5	8.0	12.0	12.5	20.5	15	76	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709003	0.22
M25	3/4"	A	6.5	10.5	-	-	9.0	16.0	15	70	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709004	0.17
M25	3/4"	B	10.0	14.5	8.0	12.0	12.5	20.5	15	72	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709005	0.23
M25	3/4"	C	14.5	19.5	11.0	15.5	17.0	26.0	15	82	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709006	0.34
M32	1"	A	10.0	14.5	8.0	12.0	12.5	20.5	15	72	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709007	0.26
M32	1"	B	14.5	19.5	11.0	15.5	17.0	26.0	15	77	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709008	0.35
M32	1"	C	19.0	25.5	17.0	21.5	22.0	33.0	15	89	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709009	0.40
M40	1 1/4"	A	14.5	19.5	11.0	15.5	17.0	26.0	19	77	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709010	0.41
M40	1 1/4"	B	19.0	25.5	17.0	21.5	22.0	33.0	19	83	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709011	0.43
M40	1 1/4"	C	25.0	32.0	22.0	28.0	28.0	41.0	19	101	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709012	0.74
M50	1 1/2"	A	19.0	25.5	17.0	21.5	22.0	33.0	19	83	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709013	0.55
M50	1 1/2"	B	25.0	32.0	22.0	28.0	28.0	41.0	19	97	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709014	0.80
M50	1 1/2"	C	31.5	39.0	27.5	35.0	36.0	52.5	19	114	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709015	1.10
M63	2"	A	25.0	32.0	22.0	28.0	28.0	41.0	19	97	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709016	0.98
M63	2"	B	31.5	39.0	27.5	35.0	36.0	52.5	19	108	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709017	1.20
M63	2"	C	42.5	50.0	39.0	46.5	46.0	65.0	19	137	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709018	2.50
M75	2 1/2"	A	31.5	39.0	27.5	35.0	36.0	52.5	19	108	90	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709019	1.50
M75	2 1/2"	B	42.5	55.5	39.0	46.5	46.0	65.0	19	135	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709020	2.80
M75	2 1/2"	C	54.5	NPT: 60.0 M/G: 64.0	48.5	58.0	57.0	78.0	19	145	110	0~1.5	2.0~3.5	*	*	709021	2.90
M90	3"	-	63.0	75.0	-	-	68.0	88.0	19	148	121	0~1.5	2.0~3.5	*	*	709022	3.90
M115	4"	-	75.0	90.0	-	-	83.0	103.0	19	156	137	0~1.5	2.0~3.5	*	*	709023	4.20

Selection table of steel pipe wiring (DQM-II/III-G)

Entry thread “M”		Entry thread “F”		Spec. code	Cable outer diameter A (mm)				Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)
					Standard Seal		Alternative Seal (K)							Standard		Alternative (AR)			
Metric	NPT/G	Metric	NPT/G		Min	Max	Min	Max	Min	Max				X	W	X	W		
M20	1/2"	M20	1/2"	A	4.0	8.0	-	-	5.5	12.0	15	85	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709024	0.19
M20	1/2"	M20	1/2"	B	6.5	10.5	-	-	9.0	16.0	15	85	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709025	0.19
M20	1/2"	M25	3/4"	C	10.0	14.5	8.0	12.0	12.5	20.5	15	91	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709026	0.26
M25	3/4"	M20	1/2"	A	6.5	10.5	-	-	9.0	16.0	15	85	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709027	0.20
M25	3/4"	M25	3/4"	B	10.0	14.5	8.0	12.0	12.5	20.5	15	87	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709028	0.27
M25	3/4"	M32	1"	C	14.5	19.5	11.0	15.5	17.0	26.0	15	97	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709029	0.40
M32	1"	M25	3/4"	A	10.0	14.5	8.0	12.0	12.5	20.5	15	87	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709030	0.30
M32	1"	M32	1"	B	14.5	19.5	11.0	15.5	17.0	26.0	15	96	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709031	0.41
M32	1"	M40	1 1/4"	C	19.0	25.5	17.0	21.5	22.0	33.0	15	108	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709032	0.46
M40	1 1/4"	M32	1"	A	14.5	19.5	11.0	15.5	17.0	26.0	19	96	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709033	0.45
M40	1 1/4"	M40	1 1/4"	B	19.0	25.5	17.0	21.5	22.0	33.0	19	102	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709034	0.50
M40	1 1/4"	M50	1 1/2"	C	25.0	32.0	22.0	28.0	28.0	41.0	19	120	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709035	0.82
M50	1 1/2"	M40	1 1/4"	A	19.0	25.5	17.0	21.5	22.0	33.0	19	102	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709036	0.61
M50	1 1/2"	M50	1 1/2"	B	25.0	32.0	22.0	28.0	28.0	41.0	19	116	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709037	0.88
M50	1 1/2"	M63	2"	C	31.5	39.0	27.5	35.0	36.0	52.5	19	133	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709038	1.20
M63	2"	M50	1 1/2"	A	25.0	32.0	22.0	28.0	28.0	41.0	19	116	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709039	1.06
M63	2"	M63	2"	B	31.5	39.0	27.5	35.0	36.0	52.5	19	127	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709040	1.30
M63	2"	M75	2 1/2"	C	42.5	50.0	39.0	46.5	46.0	65.0	19	156	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709041	2.60
M75	2 1/2"	M63	2"	A	31.5	39.0	27.5	35.0	36.0	52.5	19	127	90	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709042	1.60
M75	2 1/2"	M75	2 1/2"	B	42.5	55.5	39.0	46.5	46.0	65.0	19	154	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709043	3.00
M75	2 1/2"	M90	3"	C	54.5	NPT: 60.0 M/G: 64.0	48.5	58.0	57.0	78.0	19	164	110	0~1.5	2.0~3.5	*	*	709044	3.20
M90	3"	M115	4"	-	63.0	75.0	-	-	68.0	88.0	19	167	121	0~1.5	2.0~3.5	*	*	709045	4.30
M115	4"	M125	4 1/2"	-	75.0	90.0	-	-	83.0	103.0	19	175	137	0~1.5	2.0~3.5	*	*	709046	4.60

Note: 1. Standard material is nickel plated brass. Stainless steel is optional. Above weight is based upon nickel plated brass.
 2. Earth lug, shroud and cable clamp on request. See P6/47~48.
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.



Cable Glands

DQM-II/III Series Explosion-proof Cable Glands (For Lead Sheathed Cable)(Ex d IIC Ex e IIC) Armored Double Seal

- ◆ 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, Ex e structure; available in stainless steel or nickel plated brass.
- ◆ Double seal, suitable for both lead sheathed armored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.
- ◆ Provides a seal and an electrical bond on the cables lead inner sheath.



Technical data

Explosion-proof cable glands

DQM-II/III (armored double seal)

Explosion protection

Global (IECEx)

Gas and dust

IECEx LCI 08.0011X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Gas and dust

LCIE 06 ATEX 6100X

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates

IECEx; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Gland material

Stainless steel or nickel plated brass

Degree of protection

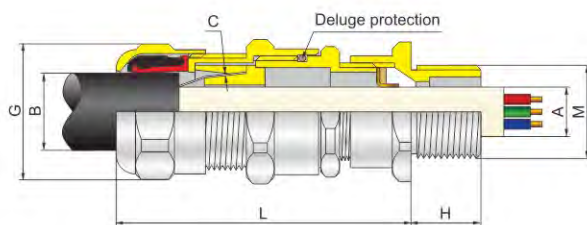
IP66

Ambient temperature

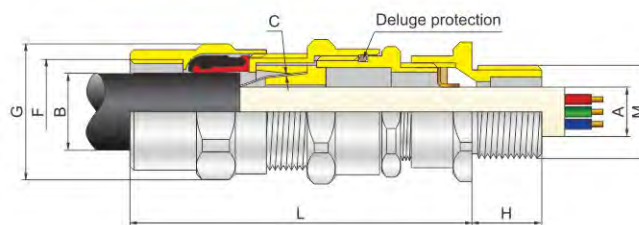
-60°C~+100°C

Connection thread

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



Cable wiring
DQM-II/III-D
(For lead-sheathed cables)



Steel pipe wiring
DQM-II/III-G
(For lead-sheathed cables)



Cable Glands

DQM-II/III Series Explosion-proof Cable Glands (For Lead Sheathed Cable)(Ex d IIC Ex e IIC)
Armored Double Seal

Selection table of cable wiring (DQM-II/III-D)

Entry thread "M"		Spec. code	Cable outer diameter A (mm)				Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)
			Standard Seal		Alternative Seal (K)		Min	Max				Standard		Alternative (AR)			
Metric	NPT/G		Min	Max	Min	Max			Min	Max				X	W	X	W
M20	1/2"	A	4.0	8.0	-	-	5.5	12.0	15	70	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709101	0.16
M20	1/2"	B	6.5	10.5	-	-	9.0	16.0	15	70	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709102	0.16
M20	1/2"	C	10.0	14.5	8.0	12.0	12.5	20.5	15	76	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709103	0.22
M25	3/4"	A	6.5	10.5	-	-	9.0	16.0	15	70	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709104	0.17
M25	3/4"	B	10.0	14.5	8.0	12.0	12.5	20.5	15	72	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709105	0.23
M25	3/4"	C	14.5	19.5	11.0	15.5	17.0	26.0	15	82	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709106	0.34
M32	1"	A	10.0	14.5	8.0	12.0	12.5	20.5	15	72	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709107	0.26
M32	1"	B	14.5	19.5	11.0	15.5	17.0	26.0	15	77	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709108	0.35
M32	1"	C	19.0	25.5	17.0	21.5	22.0	33.0	15	89	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709109	0.40
M40	1 1/4"	A	14.5	19.5	11.0	15.5	17.0	26.0	19	77	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709110	0.41
M40	1 1/4"	B	19.0	25.5	17.0	21.5	22.0	33.0	19	83	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709111	0.43
M40	1 1/4"	C	25.0	32.0	22.0	28.0	28.0	41.0	19	101	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709112	0.74
M50	1 1/2"	A	19.0	25.5	17.0	21.5	22.0	33.0	19	83	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709113	0.55
M50	1 1/2"	B	25.0	32.0	22.0	28.0	28.0	41.0	19	97	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709114	0.80
M50	1 1/2"	C	31.5	39.0	27.5	35.0	36.0	52.5	19	114	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709115	1.10
M63	2"	A	25.0	32.0	22.0	28.0	28.0	41.0	19	97	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709116	0.98
M63	2"	B	31.5	39.0	27.5	35.0	36.0	52.5	19	108	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709117	1.20
M63	2"	C	42.5	50.0	39.0	46.5	46.0	65.0	19	137	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709118	2.50
M75	2 1/2"	A	31.5	39.0	27.5	35.0	36.0	52.5	19	108	90	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709119	1.50
M75	2 1/2"	B	42.5	55.5	39.0	46.5	46.0	65.0	19	135	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709120	2.80
M75	2 1/2"	C	54.5	NPT: 60.0 M/G: 64.0	48.5	58.0	57.0	78.0	19	145	110	0~1.5	2.0~3.5	*	*	709121	2.90

Selection table of steel pipe wiring (DQM-II/III-G)

Entry thread “M”		Entry thread “F”		Spec. code	Cable outer diameter A (mm)				Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)
					Standard Seal		Alternative Seal (K)							Standard		Alternative (AR)			
Metric	NPT/G	Metric	NPT/G		Min	Max	Min	Max	Min	Max				X	W	X	W		
M20	1/2"	M20	1/2"	A	4.0	8.0	-	-	5.5	12.0	15	85	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709124	0.19
M20	1/2"	M20	1/2"	B	6.5	10.5	-	-	9.0	16.0	15	85	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709125	0.19
M20	1/2"	M25	3/4"	C	10.0	14.5	8.0	12.0	12.5	20.5	15	91	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709126	0.26
M25	3/4"	M20	1/2"	A	6.5	10.5	-	-	9.0	16.0	15	85	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709127	0.20
M25	3/4"	M25	3/4"	B	10.0	14.5	8.0	12.0	12.5	20.5	15	87	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709128	0.27
M25	3/4"	M32	1"	C	14.5	19.5	11.0	15.5	17.0	26.0	15	97	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709129	0.40
M32	1"	M25	3/4"	A	10.0	14.5	8.0	12.0	12.5	20.5	15	87	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	709130	0.30
M32	1"	M32	1"	B	14.5	19.5	11.0	15.5	17.0	26.0	15	96	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709131	0.41
M32	1"	M40	1 1/4"	C	19.0	25.5	17.0	21.5	22.0	33.0	15	108	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709132	0.46
M40	1 1/4"	M32	1"	A	14.5	19.5	11.0	15.5	17.0	26.0	19	96	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	709133	0.45
M40	1 1/4"	M40	1 1/4"	B	19.0	25.5	17.0	21.5	22.0	33.0	19	102	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709134	0.50
M40	1 1/4"	M50	1 1/2"	C	25.0	32.0	22.0	28.0	28.0	41.0	19	120	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709135	0.82
M50	1 1/2"	M40	1 1/4"	A	19.0	25.5	17.0	21.5	22.0	33.0	19	102	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	709136	0.61
M50	1 1/2"	M50	1 1/2"	B	25.0	32.0	22.0	28.0	28.0	41.0	19	116	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709137	0.88
M50	1 1/2"	M63	2"	C	31.5	39.0	27.5	35.0	36.0	52.5	19	133	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709138	1.20
M63	2"	M50	1 1/2"	A	25.0	32.0	22.0	28.0	28.0	41.0	19	116	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709139	1.06
M63	2"	M63	2"	B	31.5	39.0	27.5	35.0	36.0	52.5	19	127	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709140	1.30
M63	2"	M75	2 1/2"	C	42.5	50.0	39.0	46.5	46.0	65.0	19	156	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709141	2.60
M75	2 1/2"	M63	2"	A	31.5	39.0	27.5	35.0	36.0	52.5	19	127	90	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	709142	1.60
M75	2 1/2"	M75	2 1/2"	B	42.5	55.5	39.0	46.5	46.0	65.0	19	154	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	709143	3.00
M75	2 1/2"	M90	3"	C	54.5	NPT: 60.0 M/G: 64.0	48.5	58.0	57.0	78.0	19	164	110	0~1.5	2.0~3.5	*	*	709144	3.20

Note: 1. Standard material is nickel plated brass. Stainless steel is optional. Above weight is based upon nickel plated brass.
 2. Earth lug, shroud and cable clamp on request. See P6/47~48.
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

