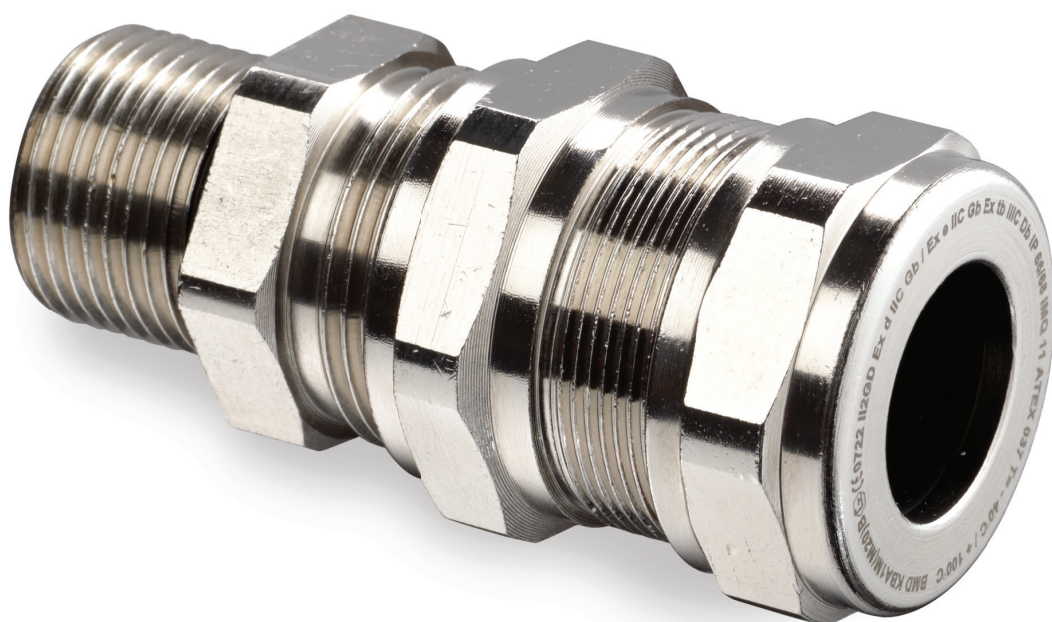






Kopex-Ex™ cable glands offer superior protection in hazardous environments

For over 100 years, Thomas & Betts has successfully applied innovative design and manufacturing techniques to meet the challenging needs of the marketplace. Today we offer more than 100,000 electrical components and systems to terminate, connect, fasten, protect and identify wires, components and raceway. Our vast product offering makes us one of the largest and best sources of electrical components in North America.

Kopex-Ex™ is committed to an extensive R&D program, which continues to deliver innovative and high performance cable protection in critical areas to meet the needs of the marketplace. Our cable glands are manufactured to meet the standards for hazardous locations all around the globe. Kopex-Ex™ cable glands are designed for use in locations where flammable vapors and explosive dust are occasionally present. Our cable glands are dust tight and offer superior liquid ingress protection. Kopex-Ex™ cable glands in Ex e and Ex d versions conform to IECEx standards for use in hazardous areas. We offer a wide range of Kopex-Ex™ cable glands in different materials, sizes and thread types, making them versatile enough to be used in almost all applications.

Ex d Double Compression Cable Gland

Suitable with cable types: SWA (Steel Wire Armored), SWB (Steel Wire Braid), STA (Steel Tape Armored), AWA (Aluminum Wire Armor)

Features

- Flameproof Ex d and increased safety Ex e
- Available in Brass, Nickel Plated Brass and Stainless Steel 316
- Wide range of cable sizes

Certification & Standards

Approved to:

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

EC TYPE Examination Certificate:

CESI 13 ATEX 041X, IECEx CES 13.0014X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db

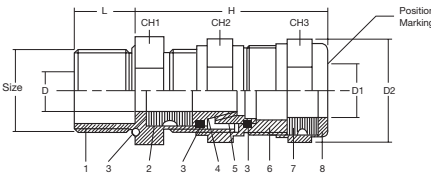
IP test: IP66-IP68

Temperature:

-40°C to +100°C Neoprene sealing ring (as standard)

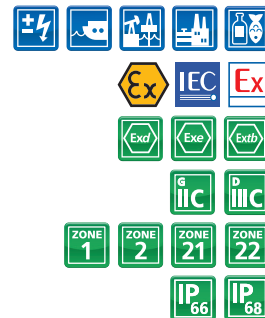
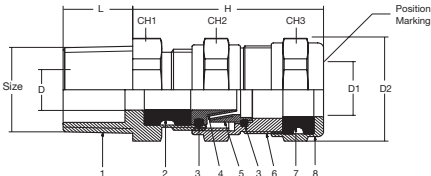
Metric

1. Lower Body
2. Lower Sealing Ring
3. O-Ring
4. Grounding Cone
5. Swivel Braid Retainer
6. Middle Body
7. Upper Sealing Ring
8. Pressure Cap



NPT

1. Lower Body
2. Lower Sealing Ring
3. O-Ring
4. Grounding Cone
5. Swivel Braid Retainer
6. Middle Body
7. Upper Sealing Ring
8. Pressure Cap



Brass Metric		Sealing Range			Cable Gland Dimensions					Torque (Nm)	
Type	Size	D (min-max)	D1 (min-max)	H Min	L Min	CH1	CH2	CH3	D2 Min	CH2	CH3
EXN03MSC1	M16	3 - 8.5	6 - 12	47	16	22	26	26	29	27.0	25.0
EXN03MMC1	M16	6 - 12	8.5 - 16	48	16	25	29	29	31.5	49.0	28.0
EXN04MSC1	M20	3 - 8.5	6 - 12	47	16	24	26	26	29	27.0	25.0
EXN04MMC1	M20	6 - 12	8.5 - 16	47	16	25	29	29	31.5	49.0	28.0
EXN04MLC1	M20	12 - 14.5	16 - 20	50	16	28	30	32	35	33.0	33.0
EXN05MSC1	M25	6 - 12	8.5 - 16	48	18	29	29	29	31.5	49.0	28.0
EXN05MMC1	M25	12 - 16	16 - 21	53	18	32	34	34	37	30.0	27.0
EXN05MLC1	M25	12 - 20	16 - 26	60	18	36	40	40	44	61.0	32.0
EXN06MSC1	M32	12 - 20	16 - 26	62	18	40	40	40	44	61.0	32.0
EXN06MMC1	M32	15 - 26	20 - 33	78	18	48	52	52	57	86.0	40.0
EXN07MSC1	M40	15 - 26	20 - 33	78	18	48	52	52	57	86.0	40.0
EXN07MMC1	M40	20 - 32	29 - 41	89	18	55	60	60	66	110.0	75.0
EXN08MSC1	M50	22 - 35	33 - 48	97	18	60	70	75	82	110.0	75.0
EXN08MMC1	M50	27 - 41	36 - 52	100	18	70	70	74	83	125.0	75.0
EXN09MSC1	M63	35 - 45	43 - 57	106	20	75	80	80	89.5	160.0	140.0
EXN09MMC1	M63	40 - 52	47 - 60	107	20	85	85	85	94	250.0	100.0
EXN10MSC1	M75	40 - 52	47 - 60	107	20	85	85	85	94	250.0	100.0
EXN10MMC1	M75	45 - 60	54 - 70	125	20	90	95	100	110.5	250.0	150.0
EXN11MSC1	M90	45 - 60	54 - 70	125	20	95	95	100	110.5	250.0	150.0
EXN11MMC1	M90	60 - 72	63 - 80	154	20	110	115	115	127	320.0	210.0

Brass NPT		Sealing Range			Cable Gland Dimensions					Torque (Nm)	
Type	Size	D (min-max)	D1 (min-max)	H Min	L Min	CH1	CH2	CH3	D2 Min	CH2	CH3
EXN03ASC1	3/8"	3 - 8.5	6 - 12	47	16	22	26	26	29	27.0	25.0
EXN03AMC1	3/8"	6 - 12	8.5 - 16	48	16	25	29	29	31.5	49.0	28.0
EXN04ASC1	1/2"	3 - 8.5	6 - 12	47	21	24	26	26	29	27.0	25.0
EXN04AMC1	1/2"	6 - 12	8.5 - 16	47	21	25	29	29	31.5	49.0	28.0
EXN04ALC1	1/2"	12 - 14.5	16 - 20	50	21	28	30	32	35	33.0	33.0
EXN05ASC1	3/4"	6 - 12	8.5 - 16	48	21	29	29	29	31.5	49.0	28.0
EXN05AMC1	3/4"	12 - 16	16 - 21	53	21	32	34	34	37	30.0	27.0
EXN05ALC1	3/4"	12 - 20	16 - 26	60	21	36	40	40	44	61.0	32.0
EXN06ASC1	1"	12 - 20	16 - 26	62	26	40	40	40	44	61.0	32.0
EXN06AMC1	1"	15 - 26	20 - 33	78	26	48	52	52	57	86.0	40.0
EXN07ASC1	1 1/4"	15 - 26	20 - 33	78	28	48	52	52	57	86.0	40.0
EXN07AMC1	1 1/4"	20 - 32	29 - 41	89	28	55	60	60	66	110.0	75.0
EXN08ASC1	1 1/2"	22 - 35	33 - 48	97	28	60	70	75	82	110.0	75.0
EXN08AMC1	1 1/2"	27 - 41	36 - 52	100	28	70	70	74	83	125.0	75.0
EXN09ASC1	2"	35 - 45	43 - 57	106	28	75	80	80	89.5	160.0	140.0
EXN09AMC1	2"	40 - 52	47 - 60	107	28	85	85	85	94	250.0	100.0
EXN10ASC1	2 1/2"	40 - 52	47 - 60	107	41	85	85	85	94	250.0	100.0
EXN10AMC1	2 1/2"	45 - 60	54 - 70	125	41	90	95	100	110.5	250.0	150.0
EXN11ASC1	3"	45 - 60	54 - 70	125	43	95	95	100	110.5	250.0	150.0
EXN11AMC1	3"	60 - 72	63 - 80	154	43	110	115	115	127	320.0	210.0

* For Brass use prefix **EX** e.g. **EXN03ASC1**

** For 316 Stainless Steel use prefix **EXS** e.g. **EXS03ASC1**

Ex d Single compression cable gland

Suitable with cable types: Non Armored

Features

- Flameproof Ex e
- Available in Brass, Nickel Plated Brass and Stainless Steel 316
- Large cable range within one product with removeable seals

Certification & Standards

Approved to:

EN/IEC 60079-0, EN 60079-1, EN 60079-7, EN 60079-11, EN 60079-31

EC TYPE Examination Certificate:

IMQ 13 ATEX 015X

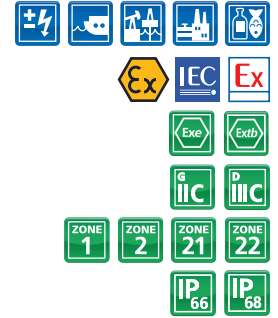
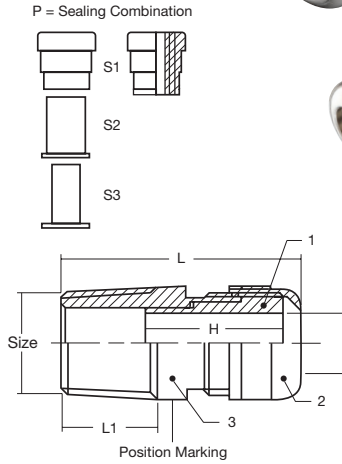
II 2GD / Exe IIC Gb

Ex tb IIC Db

IP test: IP66-IP68

Temperature:

-40°C to +100°C Neoprene sealing ring (as standard)



Brass Metric		Cable Gland Dimensions				Sealing Ring Dimensions					
Type	Size	L	L Min	CH	H Min	Min-Max	S1+S2+S3	S1+S2	S1	Torque (Nm)	
EXN03MMC2	M16	40	16	22	20	3 - 12	3 - 6	6 - 9	9 - 12	19	
EXN04MMC2	M20	40	16	22	20	3 - 12	3 - 6	6 - 9	9 - 12	19	
EXN04MLC2	M20	45	16	28	20	10 - 16	—	10 - 14	14 - 16	28	
EXN05MMC2	M25	40	16	28	20	10 - 18	—	10 - 14	14 - 18	28	
EXN05MLC2	M25	50	16	35	25	14 - 20	—	14 - 17	17 - 20	31	
EXN06MMC2	M32	43	16	35	25	14 - 24	14 - 17	17 - 20	20 - 24	31	
EXN06MLC2	M32	53	16	45	39	22 - 28	—	22 - 26	26 - 28	26	
EXN07MMC2	M40	45	18	45	39	22 - 32	—	22 - 26	26 - 32	26	
EXN07MLC2	M40	55	18	50	32	26 - 34	—	26 - 32	32 - 34	58	
EXN08MMC2	M50	46	18	55 / 50	32	26 - 35	—	26 - 30	30 - 35	58	
EXN08MLC2	M50	63	18	55 / 58	38	35 - 42	—	35 - 38	38 - 42	60	
EXN09MMC2	M63	53	18	68 / 58	38	35 - 45	—	35 - 38	38 - 45	60	
EXN09MLC2	M63	62	18	75 / 80	25	46 - 56	—	46 - 51	51 - 56	75	
EXN10MMC2	M75	64	20	80	25	46 - 62	46 - 51	51 - 57	57 - 62	75	
EXN10MLC2	M75	75	20	95	36	60 - 69	—	60 - 63	63 - 69	110	
EXN12MMC2	M90	75	20	95	36	60 - 75	60 - 63	63 - 69	69 - 75	110	
EXN12MLC2	M90	77	20	105	38	75 - 82	—	75 - 79	79 - 82	130	
EXN13MMC2	M100	77	20	115 / 105	38	75 - 85	75 - 79	79 - 82	82 - 85	130	
EXN14MMC2	M110	77	20	115	38	85 - 95	85 - 89	89 - 92	92 - 95	140	

Brass NPT		Cable Gland Dimensions				Sealing Ring Dimensions					
Type	Size	L	L Min	CH	H Min	Min-Max	S1+S2+S3	S1+S2	S1	Torque (Nm)	
EXN03AMC2	3/8"	40	16	22	20	3 - 12	3 - 6	6 - 9	9 - 12	19	
EXN04AMC2	1/2"	40	16	22	20	3 - 12	3 - 6	6 - 9	9 - 12	19	
EXN04ALC2	1/2"	45	16	28	20	10 - 16	—	10 - 14	14 - 16	28	
EXN05AMC2	3/4"	40	16	28	20	10 - 18	—	10 - 14	14 - 18	28	
EXN05ALC2	3/4"	50	16	35	25	14 - 20	—	14 - 17	17 - 20	31	
EXN06AMC2	1"	47	20	35	25	14 - 24	14 - 17	17 - 20	20 - 24	31	
EXN06ALC2	1"	57	20	45	39	22 - 28	—	22 - 26	26 - 28	26	
EXN07AMC2	1 1/4"	47	20	45	39	22 - 32	—	22 - 26	26 - 32	26	
EXN07ALC2	1 1/4"	57	20	50	32	26 - 34	—	26 - 32	32 - 34	58	
EXN08AMC2	1 1/2"	48	20	55 / 50	32	26 - 35	—	26 - 30	30 - 35	58	
EXN08ALC2	1 1/2"	65	20	55 / 58	38	35 - 42	—	35 - 38	38 - 42	60	
EXN09AMC2	2"	55	20	68 / 58	38	35 - 45	—	35 - 38	38 - 45	60	
EXN09ALC2	2"	64	20	75 / 80	25	46 - 56	—	46 - 51	51 - 56	75	
EXN10AMC2	2 1/2"	70	26	80	25	46 - 62	46 - 51	51 - 57	57 - 62	75	
EXN10ALC2	2 1/2"	81	26	95	36	60 - 69	—	60 - 63	63 - 69	110	
EXN12AMC2	3"	81	26	95	36	60 - 75	60 - 63	63 - 69	69 - 75	110	
EXN12ALC2	3"	83	26	105	38	75 - 82	—	75 - 79	79 - 82	130	
EXN13AMC2	4"	83	26	115 / 105	38	75 - 85	75 - 79	79 - 82	82 - 85	130	
EXN14AMC2	4"	83	26	115	38	85 - 95	85 - 89	89 - 92	92 - 95	140	

* For Brass use prefix **EX** e.g. **EX03MMC2** for Metric / **EX03AMC2** for NPT

** For 316 Stainless Steel use prefix **EXS** e.g. **EXS03MMC2** for Metric / **EXS03AMC2** for NPT

Ex e nylon cable gland

Suitable with cable types: Non Armored

Features

- Suitable for potentially explosive gas atmospheres
- Increased safety "e" and intrinsic safety "i"

Certification & Standards

Approved to:

EN/IEC 60079-0, 60079-7, 60079-11, 60079-31

EC TYPE Examination Certificate:

IMQ 13 ATEX 016X, IECEx IMQ 13.0005X

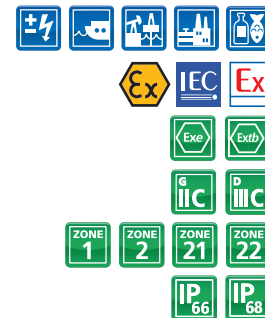
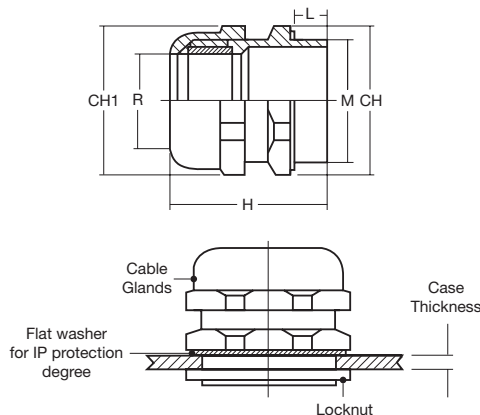
Ex e IIC Gb

Ex tb IIIC Db

IP test: IP66-IP68

Temperature:

-40°C to +80°C



Metric Type	Size	Min - Max	Dimensions				Torque (Nm)
			L	H Min	CH	CH1	
EXCGM20S	20	6,0 - 12,0	10	40	24	24	5
EXCGM20SL	20	6,0 - 12,0	15	45	24	24	5
EXCGM20M	20	10,0 - 14,0	10	42	27	27	5,5
EXCGM20ML	20	10,0 - 14,0	15	50	27	27	5,5
EXCGM25S	25	13,0 - 18,0	10	47	33	33	7
EXCGM25SL	25	13,0 - 18,0	15	50	33	33	7
EXCGM25M	25	11,0 - 17,0	8	42,5	29	29	5
EXCGM32S	32	15,0 - 21,0	10	50	36	36	6
EXCGM32M	32	18,0 - 25,0	15	68	42	42	9
EXCGM40S	40	19,0 - 28,0	10	55	46	46	5
EXCGM40M	40	22,0 - 32,0	18	68	53	53	17
EXCGM50S	50	30,0 - 38,0	18	73	60	60	22
EXCGM63S	63	34,0 - 44,0	18	74	65	65	23

NPT Type	Size	Min - Max	Dimensions				Torque (Nm)
			L	H Min	CH	CH1	
EXCG050S	1/2"	6 - 12	15	45	24	24	5
EXCG050M	1/2"	10 - 14	15	47	27	27	5,5
EXCG075S	3/4"	13 - 18	15	50	33	33	7
EXCG100S	1"	18 - 25	18	58	42	42	9

C4 Series Ex d Flameproof Cable Gland

Suitable with cable types: Unarmored Cable

Features

- A compound barrier cable gland
- Suitable for use in Zones 1, 2, 21, 22
- Flameproof Ex d and increased safety Ex e
- Available in brass, nickel plated brass and stainless steel 316
- Wide range of cable sizes

Certification & Standards

Approved to:

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

EC TYPE Examination Certificate:

CESI 13 ATEX 041X, IECEx CES 13.0014X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db

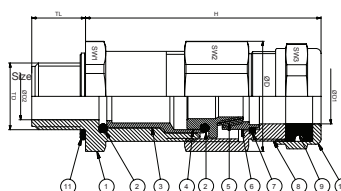
IP test: IP66

Temperature:

-40°C to +100°C

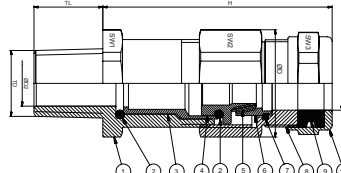
Metric

1. Body
2. O-Ring
3. Pot
4. Grounding Cone
5. Armour Reduction
6. Swivel Braid Ring
7. O-Ring
8. Upper Body
9. Upper Sealing Ring
10. Cap
11. Washer



NPT

1. Body
2. O-Ring
3. Pot
4. Grounding Cone
5. Armour Reduction
6. Swivel Braid Ring
7. O-Ring
8. Upper Body
9. Upper Sealing Ring
10. Cap



* To be used with compound part # XEP/50 or EPEP/75 depending on the gland size.

Brass Part No.	Metric Thread	H	TL	Cable Gland Dimensions (mm)						Cable Diameter Range Min - Max (mm)	Torque (Nm)	
				ØD	ØD1	ØD2	SW1	SW2	SW3		SW2	SW3
EXN04MC4	M20	62	16	33	16.5	14	30	30	30	8.5 - 16.0	30.0	28.0
EXN05MC4	M25	62.8	16	37	21.5	18.5	34	34	34	16.0 - 21.0	45.0	27.0
EXN06MC4	M32	68.5	16	45	26.5	25.6	42	42	40	16.0 - 26.0	65.0	32.0
EXN07MC4	M40	75.1	16	66	41.5	33	50	60	60	29.0 - 41.0	75.0	75.0
EXN08MC4	M50	82.7	16	77	48.5	43	60	70	75	33.0 - 48.0	90.0	75.0
EXN09MC4	M63	96	16	77	52.5	52	70	70	74	36.0 - 52.0	100.0	75.0

Brass Part No.	NPT Thread	H	TL	Cable Gland Dimensions (mm)						Cable Diameter Range Min - Max (mm)	Torque (Nm)	
				ØD	ØD1	ØD2	SW1	SW2	SW3		SW2	SW3
EXN04AC4	1/2"	62	21	33	16.5	14	30	30	30	8.5 - 16.0	30.0	28.0
EXN05AC4	3/4"	62.8	21	37	21.5	18.5	34	34	34	16.0 - 21.0	45.0	27.0
EXN06AC4	1"	68.5	26	45	26.5	25.6	42	42	40	16.0 - 26.0	65.0	32.0
EXN07AC4	1 1/4"	75.1	8	66	41.5	33	50	60	60	29.0 - 41.0	75.0	75.0
EXN08AC4	1 1/2"	82.7	28	77	48.5	43	60	70	75	33.0 - 48.0	90.0	75.0
EXN09AC4	2"	96	28	77	52.5	52	70	70	74	36.0 - 52.0	100.0	75.0

** For Brass use prefix **EX** e.g. **EX04MC4** for Metric / **EX04AC4** for NPT

*** For 316 Stainless Steel use prefix **EXS** e.g. **EXS04MC4** for Metric / **EXS04AC4** for NPT

C5 Series Ex d Flame-proof Cable Gland

Suitable for cable types: SWA, SWB, and AWA

Features

- A compound barrier cable gland
- Available in brass, nickel plated brass and stainless steel 316
- Suitable for use in Zones 1, 2, 21, 22
- Flameproof Ex d and increased safety Ex e
- Wide range of cable sizes

Certification & Standards

Approved to:

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

EC TYPE Examination Certificate:

CESI 13 ATEX 041X, IECEx CES 13.0014X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIC Db

IP test: IP66

Temperature:

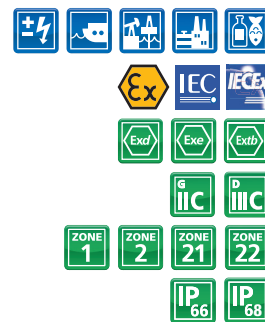
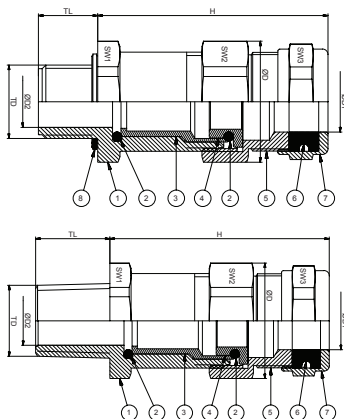
-40°C to +100°C

Metric

1. Body
2. O-Ring
3. Pot
4. Pressurising Bushing
5. Upper Body
6. Upper Sealing Ring
7. Cap
8. Washer

NPT

1. Body
2. O-Ring
3. Pot
4. Pressurising Bushing
5. Upper Body
6. Upper Sealing Ring
7. Cap



Brass Part No.	Metric Thread	H	TL	Cable Gland Dimensions (mm)						Cable Diameter Range Min - Max (mm)	Torque (Nm)	
				ØD	ØD1	ØD2	SW1	SW2	SW3		SW2	SW3
EXN04MC5	M20	70	16	33	16.5	14	30	30	29	8.5 - 16.0	30.0	28.0
EXN05MC5	M25	72.1	16	37	21.5	15.5	34	34	34	16.0 - 21.0	45.0	27.0
EXN06MC5	M32	76	16	45	26.5	25.6	42	42	40	16.0 - 26.0	65.0	32.0
EXN07MC5	M40	83.4	16	66	41.5	33	50	60	60	29.0 - 41.0	75.0	75.0
EXN08MC5	M50	96.6	16	77	48.5	43	60	70	75	33.0 - 48.0	90.0	75.0
EXN09MC5	M63	109.5	16	77	52.5	52	70	70	74	36.0 - 52.0	100.0	75.0

Brass Part No.	NPT Thread	H	TL	Cable Gland Dimensions (mm)						Cable Diameter Range Min - Max (mm)	Torque (Nm)	
				ØD	ØD1	ØD2	SW1	SW2	SW3		SW2	SW3
EXN04AC5	1/2"	70	21	33	16.5	14	30	30	30	8.5 - 16.0	30.0	28.0
EXN05AC5	3/4"	72.1	21	37	21.5	15.5	34	34	34	16.0 - 21.0	45.0	27.0
EXN06AC5	1"	76	26	45	26.5	25.6	42	42	40	16.0 - 26.0	65.0	32.0
EXN07AC5	1 1/4"	83.4	8	66	41.5	33	50	60	60	29.0 - 41.0	75.0	75.0
EXN08AC5	1 1/2"	96.6	28	77	48.5	43	60	70	75	33.0 - 48.0	90.0	75.0
EXN09AC5	2"	109.5	28	77	52.5	52	70	70	74	36.0 - 52.0	100.0	75.0

*For Brass use prefix **EX** e.g. **EX04MC5** for Metric / **EX04AC5** for NPT

** For 316 Stainless Steel use prefix **EXS** e.g. **EXS04MC5** for Metric / **EXS04AC5** for NPT

*** To be used with compound part # EXEP/50 or EXEP/75 depending upon gland size

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