



CABLE GLANDS

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PLASTIC CABLE GLANDS

8.2

PLASTIC TRUMPET SHAPED CABLE GLANDS

8.7

PLASTIC BREATHING PLUGS

8.8

METAL CABLE GLANDS TYPE ADE (<2000 cm³) Ex-d

8.11

METAL CABLE GLANDS TYPE CMDEL Ex-e

8.19

METAL CABLE GLANDS TYPE ADL (>2000 cm³) Ex-d

8.23

METAL REDUCING RINGS, SCREW PLUGS AND ADAPTER

8.30

E X - C A B L E G L A N D S

Plastic version for Zone 1

Cable glands with metric screw-in threads are now standard and had replace the PG cable glands that were formally used.

The PG cable glands are still available as spare parts and for the upgrading of already installed apparatus.

The new CEAG plastic cable glands are in accordance with EN 60079-7 and can be used in Ex-e/Ex-i housings in hazardous explosive areas of the Zones 21, 2 and 22.

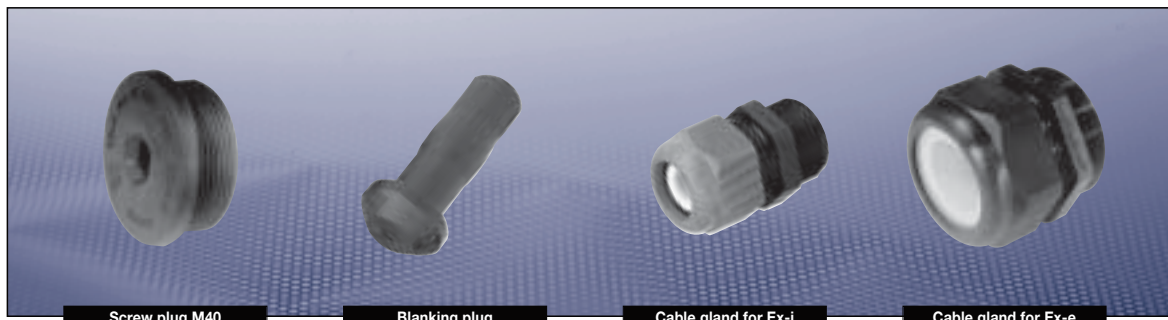
Optional and not used cable glands must be closed with certified blanking plugs. The blanking plugs allow for a flexible and cost effective utilization of the explosion-protected appliances. Changes and upgrades can be then easily carried out at a later date.

The outstanding feature of the CEAG cable glands is the large cable connection area. A high IP safety standard is achieved with the integrated sealing lip on the screw-in cable entries. The good mechanical and handling features are achieved by using a modified Polyamide material and a optimized tooling area.

International approvals



- Large cable connection area
- Hand tightening – only a low torque needed
- Safety standard IP66
- Optimized tooling area
- Trapezoid thread, for a secure hold



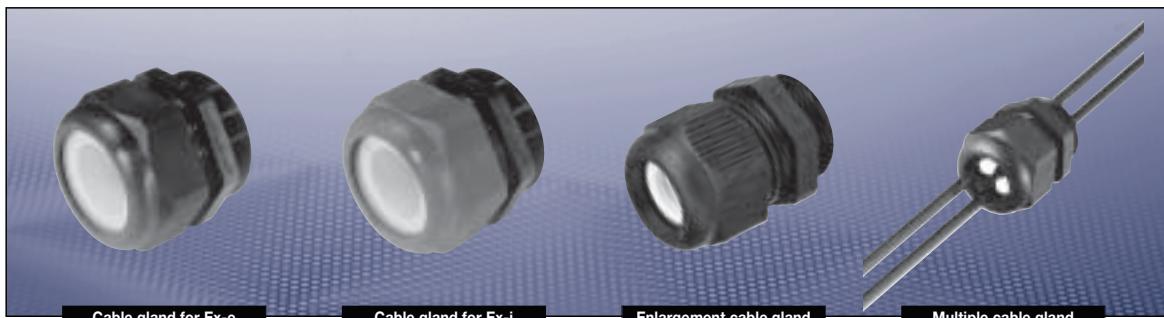
Technical data

Ex-e Cable glands	Blanking plugs	Screw plugs	Reducing rings
Marking to 94/9/EC	Ex II 2 G Ex e II / Ex II 2 D Ex tD A21 IP66		
IECEX certificate of conformity	IECEX PTB 05.0004X		
Marking accd. to IECEX	Ex e II		
Degree of protection accd. EN 60529	IP66 / IP68: 1 m water depth for 0.5 h		
Enclosure material	Polyamide		

Ex-e/i Cable glands	Blanking plugs	Reducing rings
EC-Type Examination Certificate	M12-M16 PTB 99 ATEX 3101 X / M20-M63 PTB 99 ATEX 3128 X	
Permissible ambient temperature	-20 °C to +70 °C	
	-55 °C to +70 °C option	

Ex-e Screw plugs	
EC-Type Examination Certificate	M20-M50: PTB 98 ATEX 3130 / M63: PTB 03 ATEX 1058 (only II 2 G)
Permissible ambient temperature	M20-M50: -55 °C to +55 °C / M63: -20 °C to +55 °C

Ex-cable glands



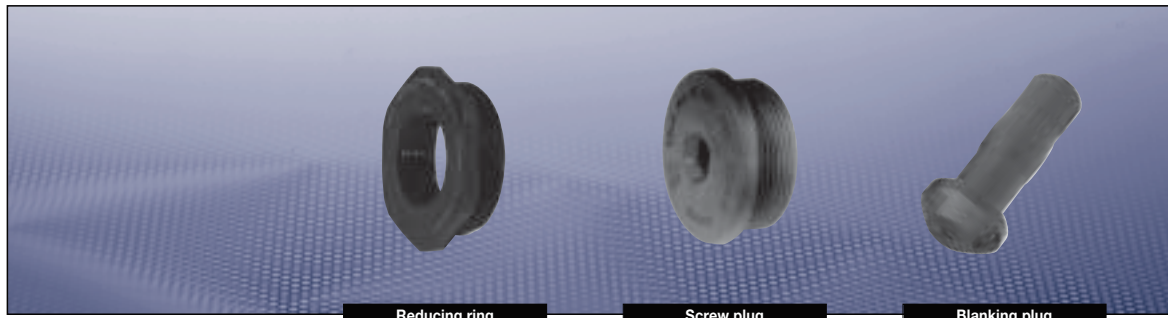
Ordering details

Thread	Cable Ø mm	SW mm	L1 mm	L2 mm	Weight approx. kg	OU	Order No.
Ex-e cable glands with short thread accd. to DIN 46319							
M12 x 1.5	4 - 7	15	19.3	8	0.003	20	GHG 960 1955 R 0001
M16 x 1.5	5.5 - 10	20	23.0	8	0.006	20	GHG 960 1955 R 0002
M20 x 1.5	5.5 - 13	24	25.0	8	0.009	20	GHG 960 1955 R 0003
M25 x 1.5	8 - 17	29	29.5	8	0.017	20	GHG 960 1955 R 0004
M32 x 1.5	12 - 21	36	35.5	10	0.026	20	GHG 960 1955 R 0005
Ex-e cable glands with long thread							
M12 x 1.5	4 - 7	15	19.3	12	0.003	20	GHG 960 1955 R 0021
M16 x 1.5	5.5 - 10	20	23.0	12	0.007	20	GHG 960 1955 R 0022
M20 x 1.5	5.5 - 13	24	25.0	13	0.010	20	GHG 960 1955 R 0023
M25 x 1.5	8 - 17	29	29.5	13	0.018	20	GHG 960 1955 R 0024
M32 x 1.5	12 - 21	36	35.5	15	0.029	20	GHG 960 1955 R 0025
M40 x 1.5	17 - 28	46	39.5	15	0.046	10	GHG 960 1955 R 0026
M50 x 1.5	22 - 35	55	44.0	16	0.073	10	GHG 960 1955 R 0027
M63 x 1.5	27 - 48	68	47.0	16	0.116	5	GHG 960 1955 R 0028
Ex-i cable glands with short thread							
M12 x 1.5	4 - 7	15	19.3	8	0.003	20	GHG 960 1955 R0101
M16 x 1.5	5.5 - 10	20	23.0	8	0.006	20	GHG 960 1955 R0102
M20 x 1.5	5.5 - 13	24	25.0	8	0.009	20	GHG 960 1955 R0103
M25 x 1.5	8 - 17	29	29.5	8	0.017	20	GHG 960 1955 R0104
M32 x 1.5	12 - 21	36	35.5	10	0.026	20	GHG 960 1955 R0105
Ex-i cable glands with long thread							
M12 x 1.5	4 - 7	15	19.3	12	0.003	20	GHG 960 1955 R0121
M16 x 1.5	5.5 - 10	20	23.0	12	0.007	20	GHG 960 1955 R0122
M20 x 1.5	5.5 - 13	24	25.0	13	0.010	20	GHG 960 1955 R0123
M25 x 1.5	8 - 17	29	29.5	13	0.018	20	GHG 960 1955 R0124
M32 x 1.5	12 - 21	36	35.5	15	0.029	20	GHG 960 1955 R0125
M40 x 1.5	17 - 28	46	39.5	15	0.046	10	GHG 960 1955 R0126
M50 x 1.5	22 - 35	55	44.0	16	0.073	10	GHG 960 1955 R0127
M63 x 1.5	27 - 48	68	47.0	16	0.116	5	GHG 960 1955 R0128
Enlargement cable glands (reduced thread diameter)							
M16/M20	5,5 - 13	24	25.0	12	0.010	20	GHG 960 1956 R0002
M20/M25	8 - 17	29	29.5	13	0.018	20	GHG 960 1956 R0003
M25/M32	12 - 21	36	35.5	13	0.029	20	GHG 960 1956 R0004
M32/M40	16 - 28	46	39.5	15	0.046	10	GHG 960 1956 R0005
M40/M50	21 - 35	55	44.0	15	0.073	10	GHG 960 1956 R0006
M50/M63	27 - 48	68	47.0	16	0.116	5	GHG 960 1956 R0007
Multiple cable glands							
M25 x 1.5	2 x 4.5 - 7	29	29.5	8	0.340	20	GHG 960 1955 R0054
M32 x 1.5	4 x 4.5 - 7	36	35.5	10	0.540	20	GHG 960 1955 R0055

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.



Ordering details

For cable entry	Ø A mm	Length B mm	Weight approx. kg	OU	Order No.
Blanking plug					
M12	6.0	30.3	0.001	20	GHG 960 1944 R0101
M16	7.0	33.0	0.001	20	GHG 960 1944 R0102
M20	8.5	34.5	0.002	20	GHG 960 1944 R0103
M25	11.0	36.0	0.003	20	GHG 960 1944 R0104
M32	14.0	39.5	0.005	20	GHG 960 1944 R0105
M40	20.0	42.0	0.018	10	GHG 960 1944 R0106
M50	26.0	44.0	0.033	10	GHG 960 1944 R0107
M63	34.0	45.0	0.108	5	GHG 960 1944 R0108

Thread	Ø D mm	Length A mm	Length B mm	Weight approx. kg	OU	Order No.
Screw plug						
M16 x 1.5	21.5	4.0	12	0.002	20	GHG 960 1952 R0111
M20 x 1.5	25.5	4.0	13	0.004	20	GHG 960 1952 R0112
M25 x 1.5	30.5	4.0	13	0.007	20	GHG 960 1952 R0113
M32 x 1.5	37.5	5.5	15	0.013	10	GHG 960 1952 R0114
M40 x 1.5	45.5	5.5	15	0.020	10	GHG 960 1952 R0115
M50 x 1.5	55.5	5.5	16	0.030	5	GHG 960 1952 R0116
M63 x 1.5	85	6.5	16	0.040	5	GHG 960 1952 R0117

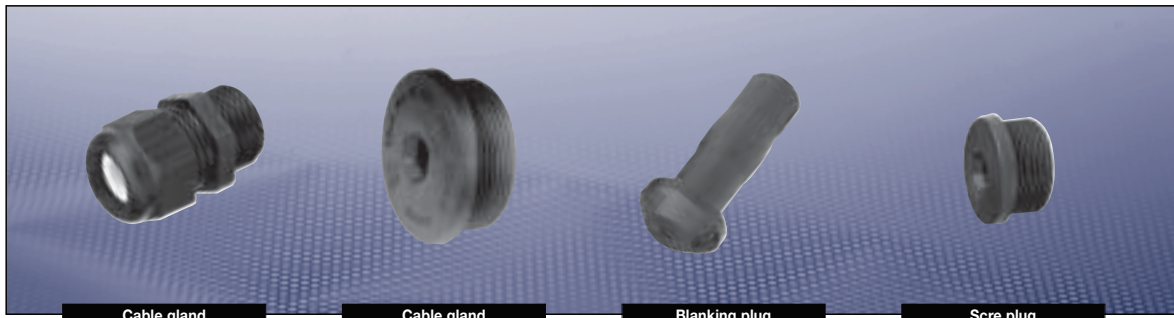
Thread 1	Thread 2	L1 mm	L2 mm	L3 mm	SW mm	Weight approx. kg	OU	Order No.
Reducing rings								
M20 x 1.5	M16 x 1.5	12	8	8	24	0.014	20	GHG 960 1946 R0071
M25 x 1.5	M20 x 1.5	14	8	8	29	0.016	20	GHG 960 1946 R0072
M32 x 1.5	M20 x 1.5	16	10	6	36	0.017	20	GHG 960 1946 R0056
M32 x 1.5	M25 x 1.5	16	10	10	36	0.016	20	GHG 960 1946 R0074
M40 x 1.5	M25 x 1.5	16	10	8	46	0.023	10	GHG 960 1946 R0059
M40 x 1.5	M32 x 1.5	16	10	10	46	0.021	10	GHG 960 1946 R0077
M50 x 1.5	M32 x 1.5	18	12	10	55	0.036	10	GHG 960 1946 R0062
M50 x 1.5	M40 x 1.5	18	12	10	68	0.032	10	GHG 960 1946 R0080
M63 x 1.5	M40 x 1.5	18	12	10	68	0.040	5	GHG 960 1946 R0065
M63 x 1.5	M50 x 1.5	18	12	12	68	0.030	5	GHG 960 1946 R0083

Cable glands with PG-thread are available on request.

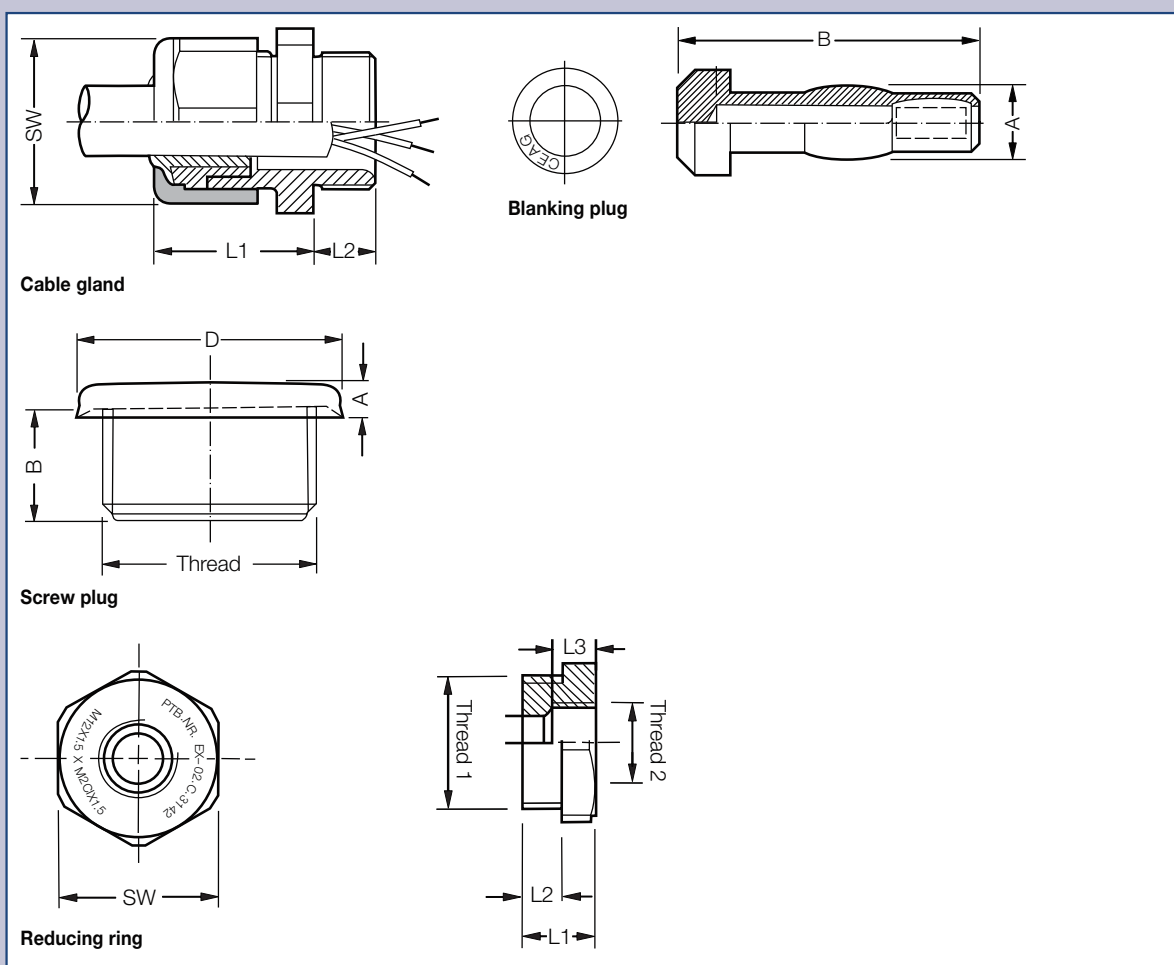
The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

Ex-cable glands



Dimensions drawing



Dimensions in mm



Trumpet shaped gland

Technical data

Ex-e trumpet shaped cable gland

Marking to 94/9/EC	Ex II 2 G EEx e II / Ex II 2 D Ex tD A21 IP66
EC-Type Examination Certificate	PTB 00 ATEX 3121
Permissible ambient temperature	-40 °C to +85 °C -50 °C to +80 °C option
Degree of protection accd. EN 60529	IP66
Enclosure material	Polyamide

Ordering details

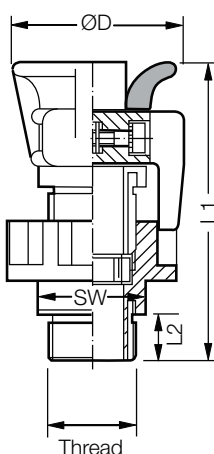
Thread	Ø D mm	L1 mm	L2 mm	Ø Cable mm	SW mm	Weight approx. kg	OU	Order No.
Ordering details trumpet shaped cable gland								
M20 x 1.5	47	64	15	8 – 13	26	0.057	10	GHG 960 1949 R0111
M25 x 1.5	51	65	15	11 – 16	32	0.070	10	GHG 960 1949 R0112
M32 x 1.5	68	80	15	15 – 20	41	0.140	10	GHG 960 1949 R0113
M40 x 1.5	81	86	15	19 – 27	50	0.194	10	GHG 960 1949 R0114
M50 x 1.5	96	95	16	26 – 34	60	0.333	1	GHG 960 1949 R0115
M63 x 1.5	107	105	16	35 – 46	75	0.742	1	GHG 960 1949 R0116

Trumpet shaped glands and reducing rings with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

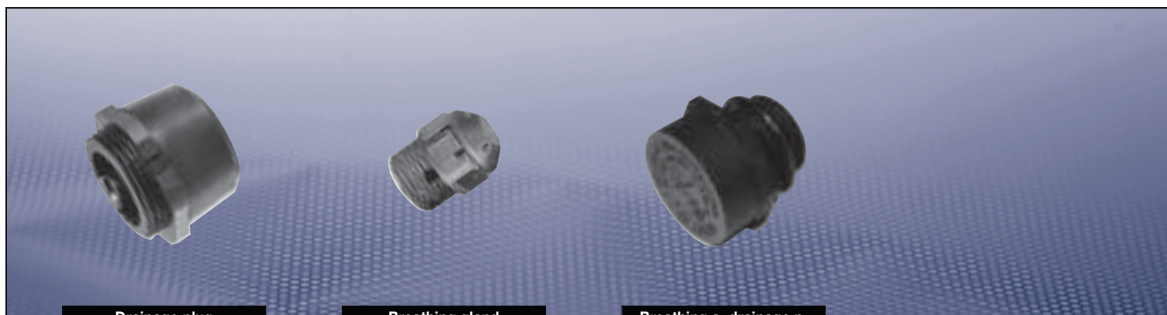
Dimension drawing



Trumpet shaped cable gland

Dimensions in mm

Ex-cable glands



Drainage plug

Breathing gland

Breathing a. drainage p.

Technical data

Ex-e Drainage plug

Marking to 94/9/EC	Ex II 2 G Ex e II
EC-Type Examination Certificate	PTB 01 ATEX 1128 X
Permissible ambient temperature	-20 °C to +40 °C
Degree of protection accd. EN 60529	IP55
Enclosure material	Polyamide

Ex-e Breathing plug

Marking to 94/9/EC	Ex II 2 G Ex e II / Ex II 2 D Ex tD A21 IP6X
EC-Type Examination Certificate	PTB 01 ATEX 1018
IECEx Certificate of conformity	IECEx PTB 06.0028
Mounting accd. to IECEx	Ex e II / Ex tD A21 IP6X
Permissible ambient temperature	-20 °C to +70 °C
Degree of protection accd. EN 60529	IP54
Enclosure material	Polyamide

Ex-e Breathing and drainage plug

Marking to 94/9/EC	Ex II 2 G Ex e II
EC-Type Examination Certificate	SIRA 99 ATEX 3050 U
Permissible ambient temperature	-50 °C to +85 °C
Degree of protection accd. EN 60529	IP66
Enclosure material	Glass filled Polyamide

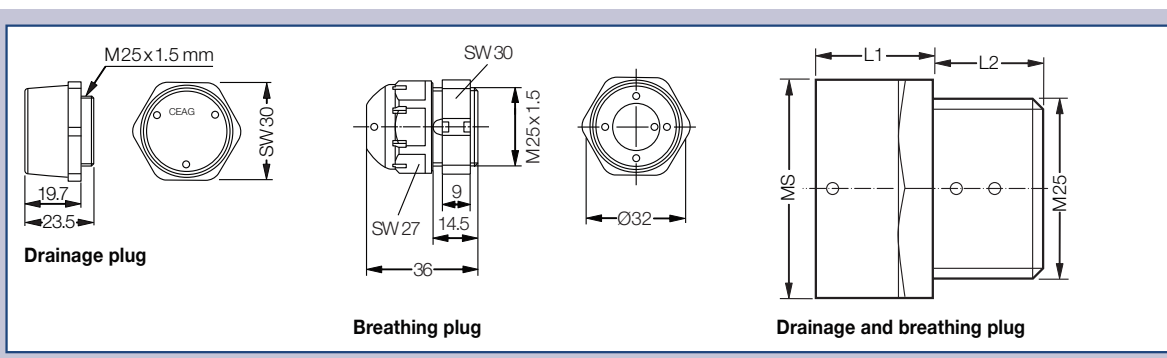
Ordering details

Type	Thread	SW mm	L1 mm	L2 mm	Weight approx. kg	OU	Order No.
Drainage plug	M25 x 1.5	30	19	4.5	0.011	20	GHG 960 1927 R0105
Breathing plug	M25 x 1.5	27	21.5	14.5	0.01	20	GHG 960 1954 R0004
Breathing and Drainage plug	M25 x 1.5	40	17	15	0.03	20	GHG 960 1954 R0002

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

Dimension drawing

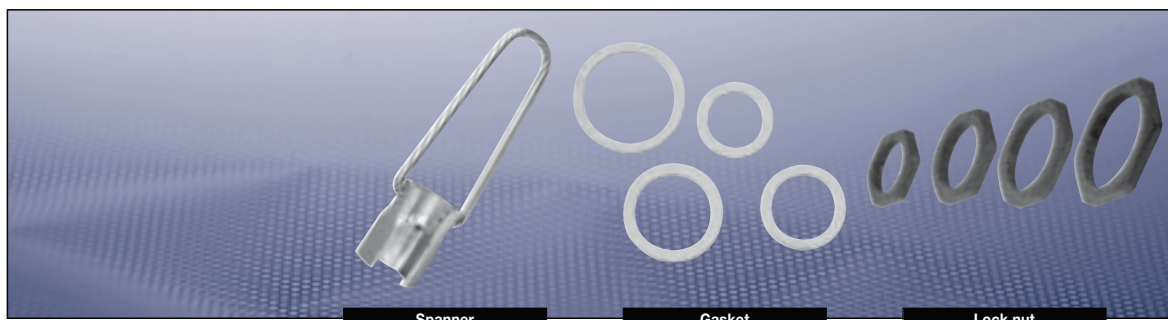


Drainage plug

Breathing plug

Drainage and breathing plug

Dimensions in mm



Spanner

Gasket

Lock nut

Accessories

Ordering details lock nut for cable glands

Type	SW	Thickness mm	Weight approx. g	OU	Order No.
M12 x 1.5	17	5	9	10	GHG 960 1941 R0031
M16 x 1.5	22	5	14	10	GHG 960 1941 R0032
M20 x 1.5	26	6	22	10	GHG 960 1941 R0033
M25 x 1.5	32	6	32	10	GHG 960 1941 R0034
M32 x 1.5	41	7	59	10	GHG 960 1941 R0035
M40 x 1.5	50	7	79	5	GHG 960 1941 R0036
M50 x 1.5	60	8	98	5	GHG 960 1941 R0037
M63 x 1.5	75	8	150	5	GHG 960 1941 R0038

Ordering details gaskets for glands

Type	ØD mm	L mm	Weight approx. g	OU	Order No.
M12 x 1.5	18	1,2	0.0003	10	CAP 221 249
M16 x 1.5	22	1,2	0.0004	10	CAP 221 649
M20 x 1.5	24	1,2	0.0003	10	CAP 222 049
M25 x 1.5	30	1,5	0.0006	10	CAP 222 549
M32 x 1.5	42	1,5	0.0014	10	CAP 223 249
M40 x 1.5	52	1,5	0.0022	10	CAP 224 049
M50 x 1.5	63	1,5	0.0028	10	CAP 225 049
M63 x 1.5	77	2,0	0.0049	10	CAP 226 349

Ordering details special spanner for fastening of cable glands

Type	Size	SW mm	Weight approx. g	Order No.
Set 1	M12	15	0.825	GHG 960 1951 R0001
	M16	20		
	M20	24		
	M25	29		
	M32	36		
	M40	46		
Set 2	M50	55	0.905	GHG 960 1951 R0002
	M63	68		

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

E X - C A B L E G L A N D S

Metal design for Zone 1

For introducing cables or leads into metal housings, explosion-protected housing or, if reinforced cables have to be introduced, metal cable glands are used. Metal glands are designed for use in areas of Zone 1, 2, 21 and Zone 22 at no risk of explosion and for cables with and without reinforcement. Depending on the area of use, these cable entries are certified with the type of protection EEx-d or EEx-e pursuant to En 60079-1 or EN 60079-7. For special applications, the cable and line ducts are available in high-quality stainless steel 3162, natural brass, marine bronze or anodised AV4PB.

In the case of systems or housings manufactured according to the NEC (National Electrical Code), the line or the connecting cable must be introduced via conduits, mounting fittings, etc. with NPT threads. Optional holes, or those that are not used, must be closed with a screw connection certified for this purpose.

Special versions are available for different applications. For explosion-proof enclosures up to 2000 cm³ screw connections of type ADE can be used. For two enclosures >2000 cm³ cable glands type ADL... can be used.

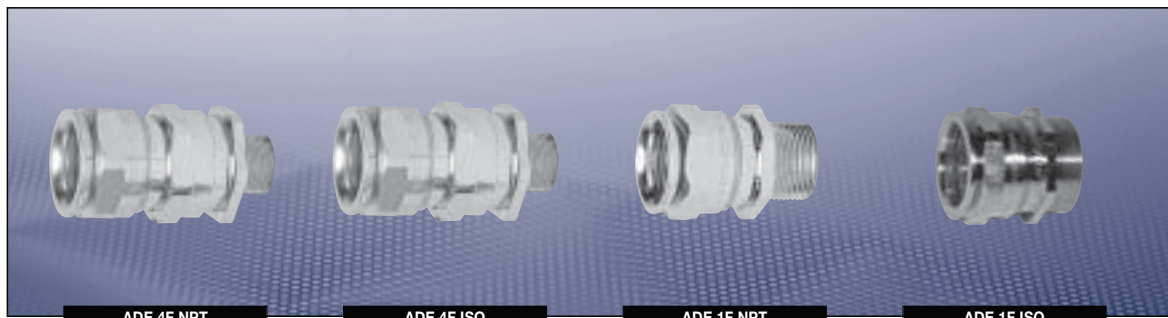
Internationally approved.



Mechanical, chemical and thermal resistance

Explosion-protected designs

High-quality alloy



Technical data

Ex-e cable glands metal design ADE 1F | ADE 4F

Marking to 94/9/EC	Ex II 2 G EEx e II / EEx d IIC (IIC ≤ 2000 cm³) / Ex II 2 D
EC-Type Examination Certificate	LCIE 97 ATEX 6008 X
Permissible ambient temperature	-40 °C to +100 °C
Degree of protection accd. EN 60529	IP66 / IP68 - 10 bar
Enclosure material	Brass, nickel-plated

Ex-cable glands

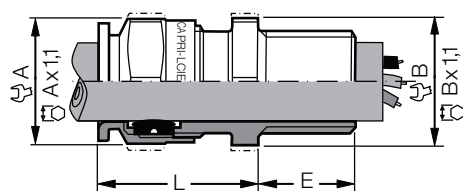


ADE 1F ISO

Ordering details

Thread	Type	Cable Ø mm	A mm	B mm	L mm	E mm	Weight approx. kg	Order No.
Cable gland type ADE 1F for unarmoured cables with ISO thread								
M12 x 1.5	4	4.0 - 8	15	15	20	15	0.020	CAP 816 404
M16 x 1.5	4	4.0 - 8.5	15	19	20	15	0.025	CAP 816 594
M16 x 1.5	5	6.0 - 12	19	19	22	15	0.030	CAP 816 504
M20 x 1.5	4	4.0 - 8.5	15	24	20	15	0.056	CAP 816 674
M20 x 1.5	5	6.0 - 12	19	24	22	15	0.038	CAP 816 694
M20 x 1.5	6	8.5 - 16	24	24	25	15	0.045	CAP 816 604
M25 x 1.5	5	6.0 - 12	19	30	22	15	0.088	CAP 816 774
M25 x 1.5	6	8.5 - 16	24	30	25	15	0.055	CAP 816 794
M25 x 1.5	7	12 - 20.5	30	30	27	15	0.070	CAP 816 704
M32 x 1.5	7	12 - 21	30	36	27	15	0.100	CAP 816 894
M32 x 1.5	8	16 - 27.5	41	41	34	15	0.150	CAP 816 804
M40 x 1.5	8	16 - 27.5	41	44	34	15	0.175	CAP 816 994
M40 x 1.5	9	21 - 34	48	48	36	15	0.210	CAP 816 904
M50 x 1.5	9	21 - 34	48	55	36	16	0.245	CAP 817 094
M50 x 1.5	10	27 - 41	55	55	39	16	0.285	CAP 817 004
M63 x 1.5	11	33 - 48	64	67	41	17	0.400	CAP 817 294
M63 x 1.5	12	40 - 56	72	72	43	17	0.490	CAP 817 204
M75 x 1.5	12	40 - 56	72	80	43	18	0.560	CAP 817 394
M75 x 1.5	13	47 - 65	85	85	49	18	0.735	CAP 817 304
M80 x 1.5	13	47 - 65	85	85	49	20	0.885	CAP 817 494
M80 x 1.5	14	54 - 73	95	95	56	20	1.060	CAP 817 404
M90 x 1.5	14	54 - 74	95	95	56	22	1.300	CAP 817 594
M90 x 1.5	15	63 - 82	110	110	61	22	1.665	CAP 817 504
M100 x 1.5	15	63 - 83	110	110	61	22	1.850	CAP 817 694
M100 x 1.5	16	72 - 92	120	120	62	22	2.160	CAP 817 604

Dimension drawing



Type ADE 1F

Dimensions in mm

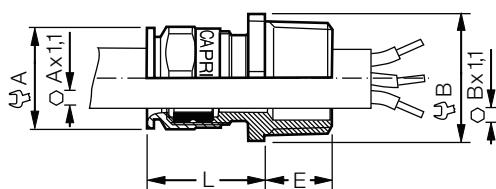


ADE 1F NPT

Ordering details

Thread	Type	Cable Ø mm	A mm	B mm	L mm	E mm	Weight approx. kg	Order No.
Cable gland type ADE 1F for unarmoured cables with NPT thread								
1/4"	4	4.0 - 8	15	15	20	12	0.020	CAP 818 404
3/8"	4	4.0 - 8.5	15	19	20	12	0.025	CAP 818 594
3/8"	5	6.0 - 12	19	19	22	12	0.030	CAP 818 504
1/2"	4	4.0 - 8.5	15	24	20	16	0.062	CAP 818 674
1/2"	5	6.0 - 12	19	24	22	16	0.040	CAP 818 694
1/2"	6	8.5 - 15.5	24	24	25	16	0.045	CAP 818 604
3/4"	5	6.0 - 12	19	30	22	16	0.097	CAP 818 774
3/4"	6	8.5 - 16	24	30	25	16	0.055	CAP 818 794
3/4"	7	12 - 20.5	30	30	27	16	0.070	CAP 818 704
1"	7	12 - 21	30	36	27	20	0.110	CAP 818 894
1"	8	16 - 26	41	41	34	20	0.160	CAP 818 804
1 1/4"	8	16 - 27.5	41	44	34	20	0.180	CAP 818 994
1 1/4"	9	21 - 34	48	48	36	20	0.220	CAP 818 904
1 1/2"	9	21 - 34	48	51	36	20	0.260	CAP 819 094
1 1/2"	10	27 - 41	55	55	39	20	0.300	CAP 819 004
2"	11	33 - 48	64	64	41	20	0.420	CAP 819 294
2"	12	40 - 53	72	72	43	20	0.510	CAP 819 204
2 1/2"	12	40 - 56	72	80	43	28	0.600	CAP 819 494
2 1/2"	13	47 - 62.5	85	85	49	28	0.800	CAP 819 404
3"	14	54 - 74	95	95	56	30	1.400	CAP 819 594
3"	15	63 - 78	110	110	61	30	1.700	CAP 819 504
3 1/2"	15	63 - 83	110	110	61	32	1.900	CAP 819 694
3 1/2"	16	72 - 92	120	120	62	32	2.300	CAP 819 604

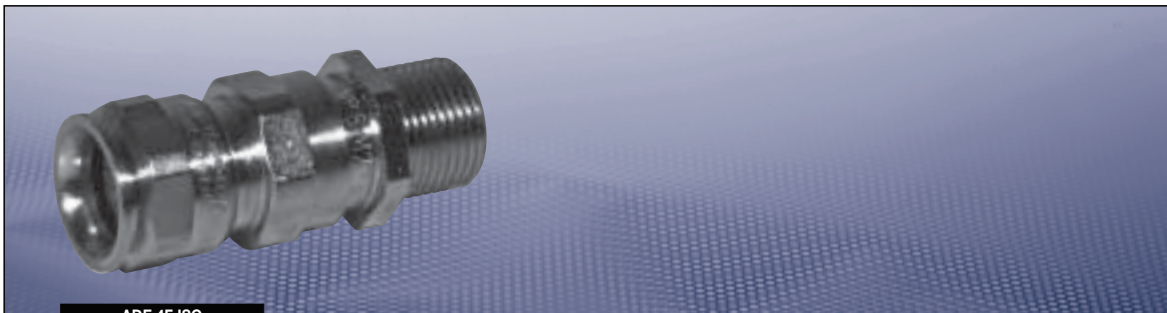
Dimension drawing



Type ADE 1F NPT

Dimensions in mm

Ex-cable glands

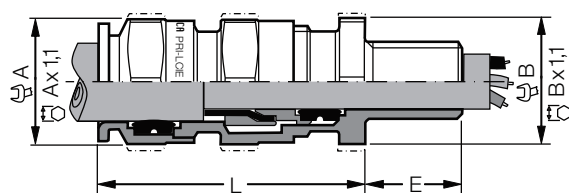


ADE 4F ISO

Ordering details

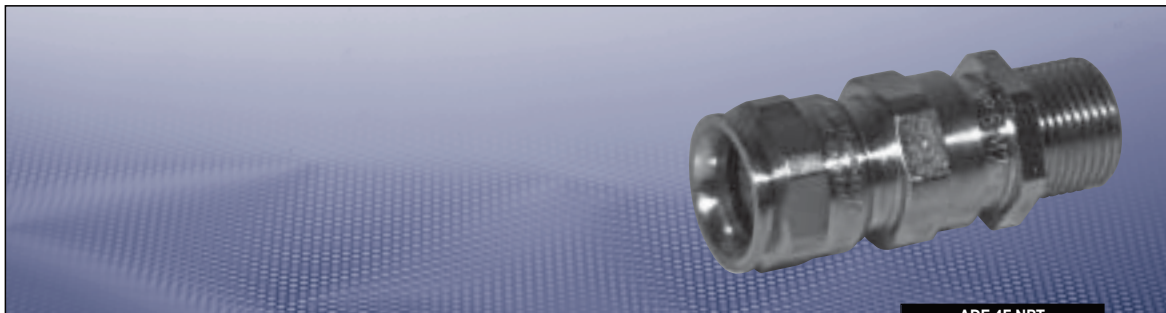
Thread	Type	Cable Ø outside mm	Cable Ø inside mm	Ø Armour up to mm	A mm	B mm	L mm	E mm	Weight approx. kg	Order No.
Cable gland type ADE 4F for armoured cables with ISO thread										
M12 x 1.5	5	6.0 - 12	4.0 - 8	0.9	19	19	36	15	0.048	CAP 846 404
M16 x 1.5	5	6.0 - 12	4.0 - 8.5	0.9	19	19	36	15	0.057	CAP 846 594
M16 x 1.5	6	8.5 - 16	6.0 - 12	1.25	19	24	36	15	0.078	CAP 846 504
M20 x 1.5	5	6.0 - 12	4.0 - 8.5	0.9	19	24	36	15	0.080	CAP 846 674
M20 x 1.5	6	8.5 - 16	6.0 - 12	1.25	24	24	42	15	0.090	CAP 846 694
M20 x 1.5	7	12 - 21	8.5 - 15.5	1.25	30	30	46	15	0.123	CAP 846 604
M25 x 1.5	6	8.5 - 16	6.0 - 12	1.25	24	30	42	15	0.122	CAP 846 774
M25 x 1.5	7	12 - 21	8.5 - 16	1.25	30	30	46	15	0.170	CAP 846 794
M25 x 1.5	8	16 - 27.5	12 - 20.5	1.6	41	41	56	15	0.270	CAP 846 704
M32 x 1.5	8	16 - 27.5	12 - 21	1.25	41	41	56	15	0.310	CAP 846 894
M32 x 1.5	9	21 - 34	16 - 27.5	1.6	48	48	63	15	0.400	CAP 846 804
M40 x 1.5	9	21 - 34	16 - 27.5	2.0	48	48	63	15	0.445	CAP 846 994
M40 x 1.5	10	27 - 41	21 - 34	2.0	55	55	68	15	0.540	CAP 846 904
M50 x 1.5	10	27 - 41	21 - 34	2.0	55	55	68	16	0.600	CAP 847 094
M50 x 1.5	11	33 - 48	27 - 41	2.5	64	64	74	16	0.735	CAP 847 004
M63 x 1.5	12	40 - 56	33 - 48	2.5	72	72	77	17	0.996	CAP 847 294
M63 x 1.5	13	47 - 65	40 - 56	2.5	85	85	85	17	1.480	CAP 847 204
M75 x 1.5	13	47 - 65	40 - 56	2.5	85	85	85	18	1.590	CAP 847 394
M75 x 1.5	14	54 - 74	47 - 65	2.5	95	95	92	18	2.305	CAP 847 304
M80 x 1.5	14	54 - 74	47 - 65	3.15	95	95	92	20	2.270	CAP 847 494
M80 x 1.5	15	63 - 83	54 - 73	3.15	110	110	104	20	3.150	CAP 847 404
M90 x 1.5	15	63 - 83	54 - 74	3.15	110	110	104	22	3.175	CAP 847 594
M90 x 1.5	16	72 - 93	63 - 82	3.15	120	120	108	22	3.675	CAP 847 504
M90 x 1.5	15	85 - 107	63 - 82	3.15	135	120	108	22	3.675	CAP 847 574

Dimension drawing



Type ADE 4F

Dimensions in mm

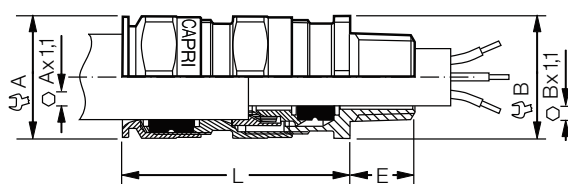


ADE 4F NPT

Ordering details

Thread	Type	Cable Ø outside mm	Cable Ø inside mm	Ø Armour up to mm	A mm	B mm	L mm	E mm	Weight approx. kg	Order No.
Cable gland type ADE 4F for armoured cables with NPT thread										
1/4"	5	6.0 - 12	4.0 - 8	0.9	19	19	36	12	0.048	CAP 848 404
3/8"	5	6.0 - 12	4.0 - 8.5	0.9	19	19	36	12	0.057	CAP 848 594
3/8"	6	8.5 - 16	6.0 - 12	1.25	24	24	42	12	0.075	CAP 848 504
1/2"	5	6.0 - 12	4.0 - 8.5	0.9	19	24	36	16	0.095	CAP 848 674
1/2"	6	8.5 - 16	6.0 - 12	1.25	24	24	42	16	0.090	CAP 848 694
1/2"	7	12 - 21	8.5 - 15.5	1.25	30	30	46	16	0.120	CAP 848 604
3/4"	6	8.5 - 16	6.0 - 12	1.25	24	30	42	16	0.136	CAP 848 774
3/4"	7	12 - 21	8.5 - 16	1.25	30	30	46	16	0.170	CAP 848 794
3/4"	8	16 - 27.5	12 - 20.5	1.6	41	41	56	16	0.270	CAP 848 704
1"	8	16 - 27.5	12 - 21	1.25	41	41	46	20	0.310	CAP 848 894
1"	9	21 - 34	16 - 26	1.6	48	48	63	20	0.400	CAP 848 804
1 1/4"	9	21 - 34	16 - 27.5	2.0	48	48	63	20	0.445	CAP 848 994
1 1/4"	10	27 - 41	21 - 34	2.0	55	55	68	20	0.540	CAP 848 904
1 1/2"	10	27 - 41	21 - 34	2.0	55	55	68	20	0.600	CAP 849 094
1 1/2"	11	33 - 48	27 - 41	2.5	64	64	74	20	0.800	CAP 849 004
2"	12	40 - 56	33 - 48	2.5	72	72	77	20	1.000	CAP 849 294
2"	13	47 - 65	40 - 53	2.5	85	85	85	20	1.500	CAP 849 204
2 1/2"	13	47 - 65	40 - 56	2.2	85	85	85	28	1.700	CAP 849 494
2 1/2"	14	54 - 74	47 - 62.5	2.5	95	95	92	28	2.400	CAP 849 404
3"	15	63 - 83	54 - 74	3.15	110	110	104	30	3.300	CAP 849 594
3"	16	72 - 93	63 - 78	3.15	120	120	108	30	3.800	CAP 849 504

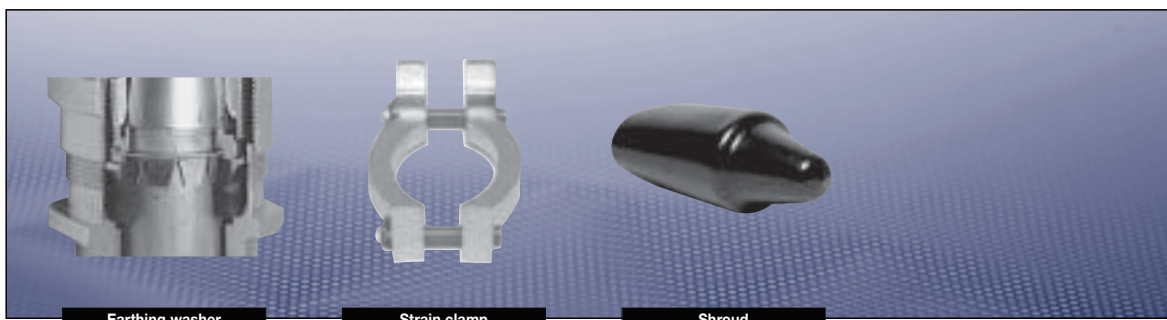
Dimension drawing



Type ADE 4F NPT

Dimensions in mm

Ex-cable glands



Accessories for cable glands type ADE

Earthing washer for lead sheath cables

ADE Type	Cable Ø mm	Weight approx. kg	OU	Order No.
5	4.0 - 7.5	0.025	10	CAP 560 530
6	6.0 - 11	0.030	10	CAP 560 630
7	9.0 - 15	0.060	10	CAP 560 730
8	12 - 20	0.090	10	CAP 560 830
9	16 - 26.5	0.150	10	CAP 560 930
10	21 - 32.5	0.280	10	CAP 561 030
11	28 - 39.5	0.380	10	CAP 561 130
12	33 - 46.5	0.580	10	CAP 561 230
13	40 - 54.5	0.730	10	CAP 561 330

Ordering details for strain clamp

ADE Type	Cable Ø mm	B	C	Weight approx. kg	Order No.
5	8.0 - 12.0	22	5	0.035	CAP 810 534
6	6.0 - 11	27.5	6	0.075	CAP 810 634
7	9.0 - 15	33.5	8	0.140	CAP 810 734
8	12 - 20	45	8	0.220	CAP 810 834
9	16 - 26.5	52	9.5	0.061	CAP 810 934
10	21 - 32.5	59	9.5	0.069	CAP 811 034
11	28 - 39.5	69	12	0.130	CAP 811 134
12	33 - 46.5	78	12	0.160	CAP 811 234
13	40 - 54.5	92	10	0.370	CAP 811 334

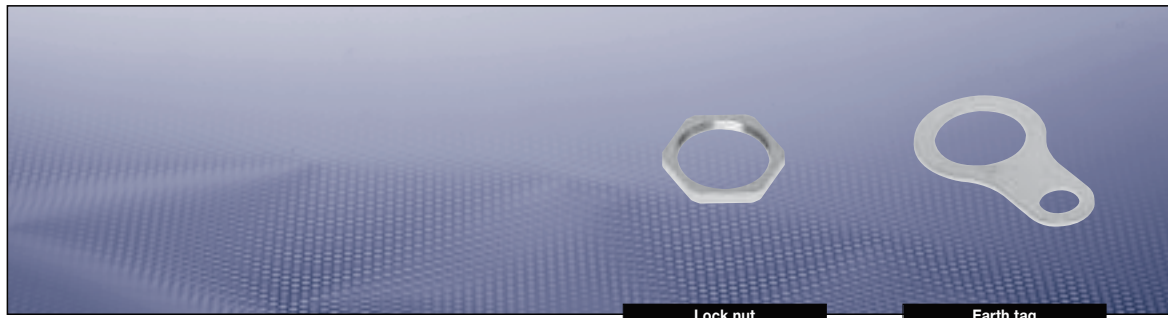
Ordering details shrouds for cable glands

ADE Type	Ø D mm	Weight approx. kg	OU	Order No.
5	20	0.014	10	CAP 506 050
6	25	0.022	10	CAP 506 060
7	31	0.034	10	CAP 506 070
8	43	0.041	10	CAP 506 080
9	50	0.046	10	CAP 506 090
10	57	0.073	10	CAP 506 100
11	67	0.077	10	CAP 506 110
12	75	0.118	10	CAP 506 120
13	89	0.135	10	CAP 506 130

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.



Lock nut

Earth tag

Accessories for cable glands type ADE

Ordering details earth tags for cable glands

Thread	Dimensions					Weight approx. kg	OU	Order No.
	A	B	ØC	ØD	E			
M12 x 1.5 ISO	48.75	30	6.75	24.5	13	0.008	10	CAP 567 024
M16 x 1.5 ISO	48.75	30	6.75	24.5	13	0.008	10	CAP 567 034
M20 x 1.5 ISO	53.8	33	7	28.6	13	0.008	10	CAP 567 054
M25 x 1.5 ISO	61.5	36	10.5	34	17	0.011	10	CAP 567 074
M32 x 1.5 ISO	73	41	12.2	42	22	0.015	10	CAP 567 094
M40 x 1.5 ISO	86.5	44,5	13.5	54	30	0.025	10	CAP 567 124
M50 x 1.5 ISO	111.5	58	13.5	67	40	0.041	10	CAP 567 154
M63 x 1.5 ISO	125.5	67	13.5	77	40	0.044	10	CAP 567 184
3/8" NPT	53,8	33	7	28,6	13	0.008	10	CAP 567 044
1/2" NPT	61,5	36	10,5	34	17	0.008	10	CAP 567 064
3/4" NPT	73	41	12,2	42	22	0.008	10	CAP 567 084
1" NPT	73	41	12,2	42	22	0.011	10	CAP 567 104
1 1/4" NPT	86,5	44,5	13,5	54	30	0.015	10	CAP 567 134
1 1/2" NPT	111,5	58	13,5	67	40	0.025	10	CAP 567 154
2" NPT	125,5	67	13,5	77	40	0.041	10	CAP 567 174
2 1/2" NPT	137,5	73	13,5	89	40	0.044	10	CAP 567 194

Ordering details lock nuts

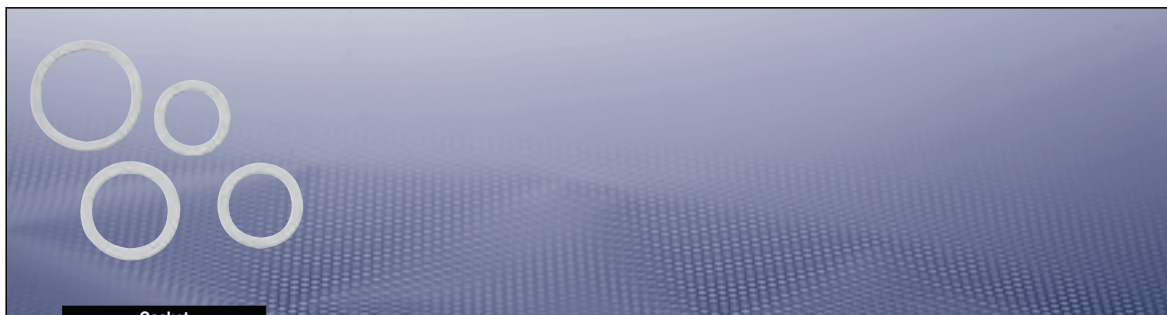
Thread	Dimensions		Weight approx. kg	OU	Order No.
	mm	L mm			
M12 x 1.5	14	2.8	0.002	10	CAP 221 294
M16 x 1.5	18	2.8	0.002	10	CAP 221 694
M20 x 1.5	23	3.0	0.004	10	CAP 222 094
M25 x 1.5	28	3.0	0.005	10	CAP 222 594
M32 x 1.5	36	3.5	0.010	10	CAP 223 294
M40 x 1.5	44	4.0	0.015	10	CAP 224 094
M50 x 1.5	54	5.0	0.025	10	CAP 225 094
M63 x 1.5	70	6.0	0.058	10	CAP 226 394
1/4"	16	2.8	0.002	10	CAP 280 104
3/8"	20	2.8	0.002	10	CAP 280 114
1/2"	24	3.5	0.004	10	CAP 280 124
3/4"	30	3.5	0.005	10	CAP 280 134
1"	37	4.5	0.010	10	CAP 280 144
1 1/4"	47	4.5	0.015	10	CAP 280 154
1 1/2"	52	5.0	0.025	10	CAP 280 164
2"	64	5.5	0.058	10	CAP 280 174
2 1/2"	77	6.5		10	CAP 280 184
3"	95	8.0		10	CAP 280 194
3 1/2"	110	10.0		10	CAP 280 204
4"	120	11.0		10	CAP 280 214

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

Ex-cable glands



Gasket

Accessories for cable glands type ADE

Ordering details gaskets for cable glands

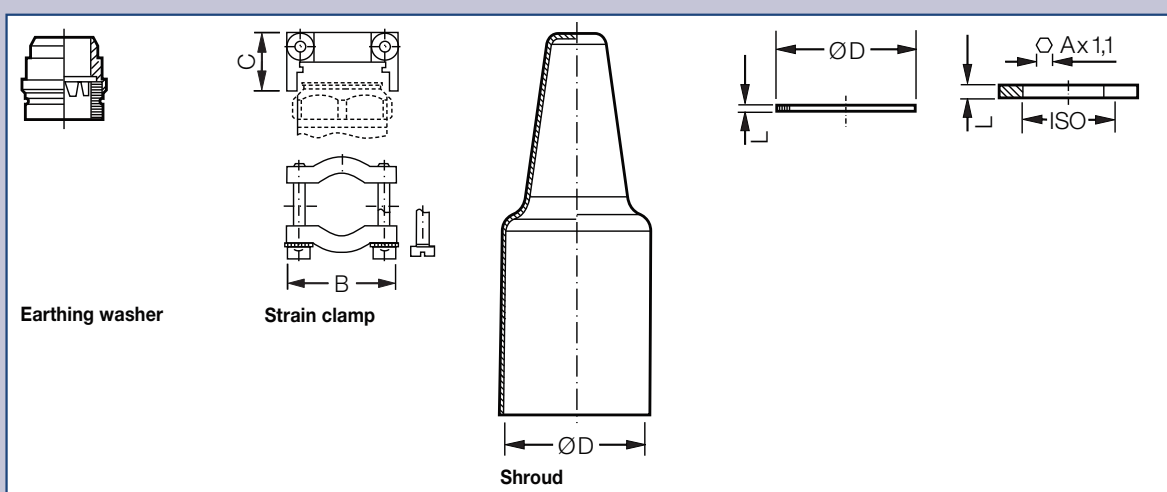
Thread	Ø D mm	L mm	OU	Order No.
M12 x 1.5	18	1.2	10	CAP 221 249
M16 x 1.5	22	1.2	10	CAP 221 649
M20 x 1.5	24	1.2	10	CAP 222 049
M25 x 1.5	30	1.5	10	CAP 222 549
M32 x 1.5	42	1.5	10	CAP 223 249
M40 x 1.5	52	1.5	10	CAP 224 049
M50 x 1.5	63	1.5	10	CAP 225 049
M63 x 1.5	77	2.0	10	CAP 226 349
1/4"	20	1.5	10	CAP 229 014
3/8"	22	1.5	10	CAP 229 038
1/2"	27	1.5	10	CAP 229 012
3/4"	33	1.5	10	CAP 229 034
1"	41	1.5	10	CAP 229 010
1 1/4"	52	1.5	10	CAP 229 114
1 1/2"	57	1.5	10	CAP 229 112
2"	71	2.0	10	CAP 229 020
2 1/2"	85	2.0	10	CAP 229 212
3"	104	2.0	10	CAP 229 300
3 1/2"	120	2.0	10	CAP 229 312

Cable glands with PG-thread are available on request.

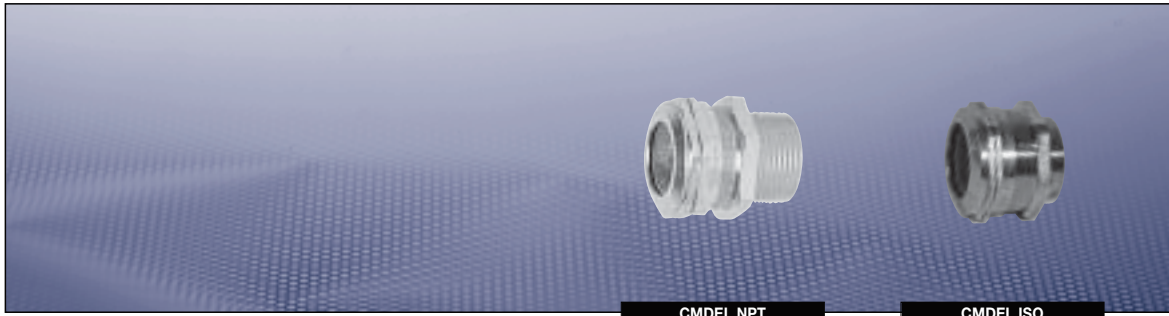
The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

Dimension drawing



Dimensions in mm



Technical data

Ex-e cable glands metal design CMDEL

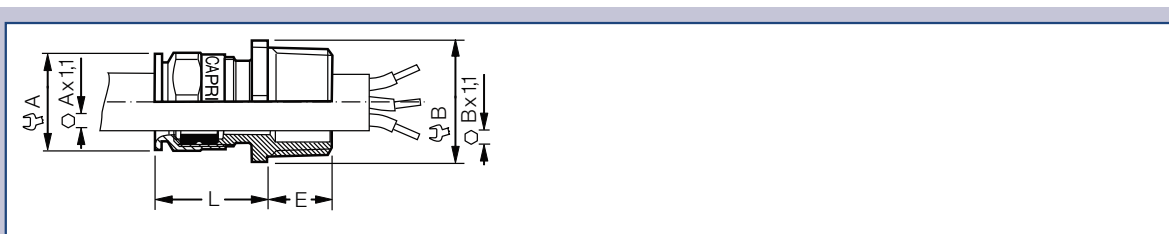
Marking to 94/9/EC	Ex II 2 G EEx e II / Ex II 2 D
EC-Type Examination Certificate	LCIE 97 ATEX 6005 X
Permissible ambient temperature	-40 °C to +100 °C
Degree of protection accd. EN 60529	IP66 / IP68 - 10 bar
Enclosure material	Brass, nickel-plated

Ordering details

Thread	Cable Ø mm	A mm	L mm	E mm	Weight approx. kg	Order No.
Cable gland type CMDEL for unarmoured cables with ISO thread						
M10 x 1.5	1.5 - 5.0	15	17	7	0.017	CAP 221 004
M12 x 1.5	4.0 - 8.0	18	17	7	0.021	CAP 221 204
M16 x 1.5	7.0 - 11	22	20	8	0.036	CAP 221 604
M20 x 1.5	8.0 - 13	24	20	8	0.043	CAP 222 004
M25 x 1.5	13.0 - 18	30	24	9	0.071	CAP 222 504
M32 x 1.5	17.5 - 25	41	28	10	0.143	CAP 223 204
M40 x 1.5	24.5 - 33.5	52	38	11	0.263	CAP 224 004
M50 x 1.5	33.0 - 43	63	42	12	0.386	CAP 225 004
M63 x 1.5	43.0 - 55	77	47	13	0.583	CAP 226 304

Cable gland type CMDEL for unarmoured cables with NPT thread						
1/2"	7.5 - 13	24	20	16	0.045	CAP 183 134
3/4"	12.5 - 18	30	24	16	0.022	CAP 183 144
1"	17.5 - 25	41	28	20	0.034	CAP 183 154
1 1/4"	24.5 - 33.5	52	38	20	0.041	CAP 183 164
1 1/2"	24.5 - 33.5	52	38	20	0.042	CAP 183 174
2"	33 - 43	63	42	20	0.046	CAP 183 184
2 1/2"	42.5 - 55	77	47	28	0.066	CAP 183 194

Dimension drawing



Dimensions in mm

Ex-cable glands



Earthing washer



Strain clamp



Shroud

Accessories for cable glands type CMDEL

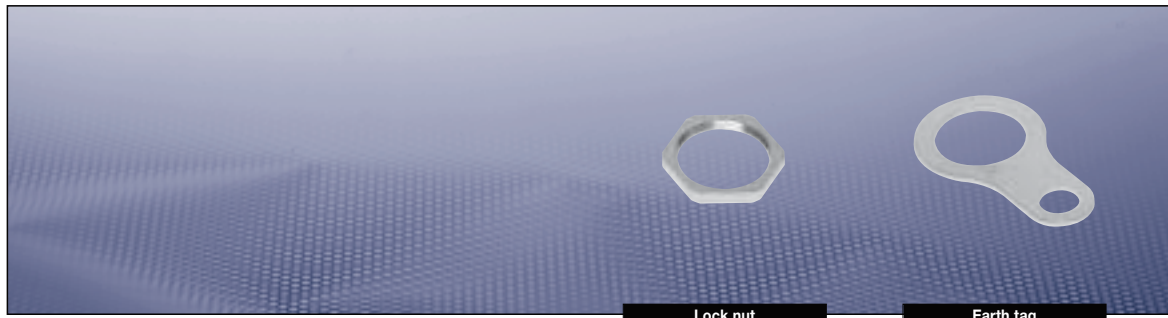
Ordering details for strain clamp

ADE Type	Cable Ø mm	B	C	Weight approx. kg	Order No.
5	8.0 - 12.0	22	5	0.035	CAP 810 534
6	6.0 - 11	27.5	6	0.075	CAP 810 634
7	9.0 - 15	33.5	8	0.140	CAP 810 734
8	12 - 20	45	8	0.220	CAP 810 834
9	16 - 26.5	52	9.5	0.061	CAP 810 934
10	21 - 32.5	59	9.5	0.069	CAP 811 034
11	28 - 39.5	69	12	0.130	CAP 811 134
12	33 - 46.5	78	12	0.160	CAP 811 234
13	40 - 54.5	92	10	0.370	CAP 811 334

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.



Lock nut

Earth tag

Accessories for cable glands type CMDEL

Ordering details earth tags for cable glands

Thread	Dimensions					Weight approx. kg	OU	Order No.
	A	B	ØC	ØD	E			
M12 x 1.5 ISO	48.75	30	6.75	24.5	13	0.008	10	CAP 567 024
M16 x 1.5 ISO	48.75	30	6.75	24.5	13	0.008	10	CAP 567 034
M20 x 1.5 ISO	53.8	33	7	28.6	13	0.008	10	CAP 567 054
M25 x 1.5 ISO	61.5	36	10.5	34	17	0.011	10	CAP 567 074
M32 x 1.5 ISO	73	41	12.2	42	22	0.015	10	CAP 567 094
M40 x 1.5 ISO	86.5	44.5	13.5	54	30	0.025	10	CAP 567 124
M50 x 1.5 ISO	111.5	58	13.5	67	40	0.041	10	CAP 567 154
M63 x 1.5 ISO	125.5	67	13.5	77	40	0.044	10	CAP 567 184
3/8" NPT	53.8	33	7	28.6	13	0.008	10	CAP 567 044
1/2" NPT	61.5	36	10.5	34	17	0.008	10	CAP 567 064
3/4" NPT	73	41	12.2	42	22	0.008	10	CAP 567 084
1" NPT	73	41	12.2	42	22	0.011	10	CAP 567 104
1 1/4" NPT	86.5	44.5	13.5	54	30	0.015	10	CAP 567 134
1 1/2" NPT	111.5	58	13.5	67	40	0.025	10	CAP 567 154
2" NPT	125.5	67	13.5	77	40	0.041	10	CAP 567 174
2 1/2" NPT	137.5	73	13.5	89	40	0.044	10	CAP 567 194

Ordering details lock nuts

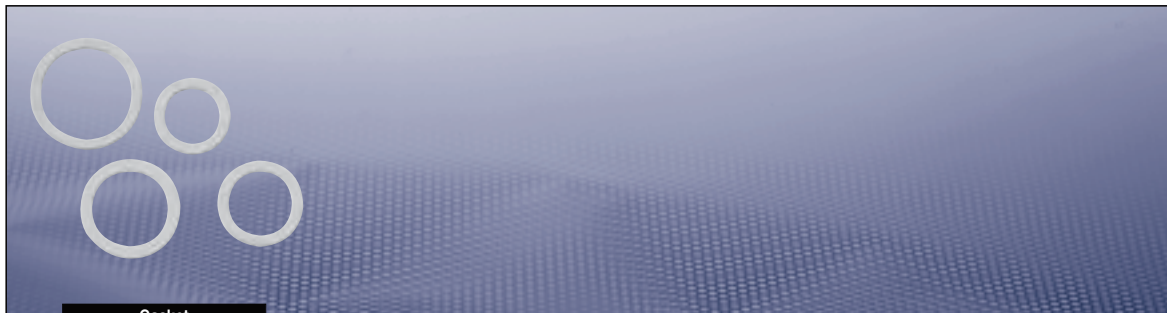
Thread	mm		OU	Order No.
	mm	L mm		
M12 x 1.5	14	2.8	10	CAP 221 294
M16 x 1.5	18	2.8	10	CAP 221 694
M20 x 1.5	23	3.0	10	CAP 222 094
M25 x 1.5	28	3.0	10	CAP 222 594
M32 x 1.5	36	3.5	10	CAP 223 294
M40 x 1.5	44	4.0	10	CAP 224 094
M50 x 1.5	54	5.0	10	CAP 225 094
M63 x 1.5	70	6.0	10	CAP 226 394
1/4"	16	2.8	10	CAP 280 104
3/8"	20	2.8	10	CAP 280 114
1/2"	24	3.5	10	CAP 280 124
3/4"	30	3.5	10	CAP 280 134
1"	37	4.5	10	CAP 280 144
1 1/4"	47	4.5	10	CAP 280 154
1 1/2"	52	5.0	10	CAP 280 164
2"	64	5.5	10	CAP 280 174
2 1/2"	77	6.5	10	CAP 280 184
3"	95	8.0	10	CAP 280 194
3 1/2"	110	10.0	10	CAP 280 204
4"	120	11.0	10	CAP 280 214

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

Ex-cable glands



Accessories for cable glands type CMDEL

Ordering details gaskets for cable glands

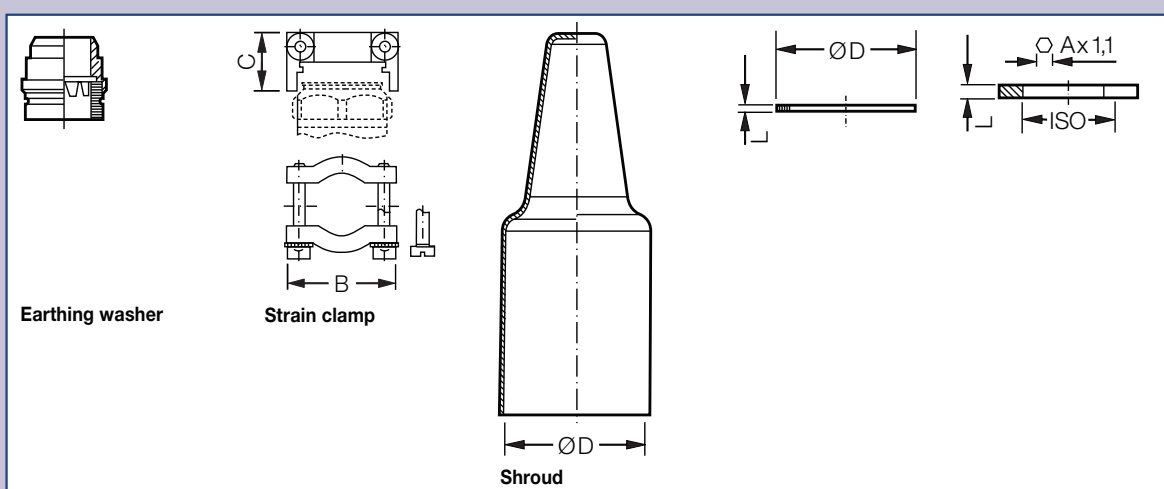
Thread	Ø D mm	L mm	OU	Order No.
M12 x 1.5	18	1.2	10	CAP 221 249
M16 x 1.5	22	1.2	10	CAP 221 649
M20 x 1.5	24	1.2	10	CAP 222 049
M25 x 1.5	30	1.5	10	CAP 222 549
M32 x 1.5	42	1.5	10	CAP 223 249
M40 x 1.5	52	1.5	10	CAP 224 049
M50 x 1.5	63	1.5	10	CAP 225 049
M63 x 1.5	77	2.0	10	CAP 226 349
1/4"	20	1.5	10	CAP 229 014
3/8"	22	1.5	10	CAP 229 038
1/2"	27	1.5	10	CAP 229 012
3/4"	33	1.5	10	CAP 229 034
1"	41	1.5	10	CAP 229 010
1 1/4"	52	1.5	10	CAP 229 114
1 1/2"	57	1.5	10	CAP 229 112
2"	71	2.0	10	CAP 229 020
2 1/2"	85	2.0	10	CAP 229 212
3"	104	2.0	10	CAP 229 300
3 1/2"	120	2.0	10	CAP 229 312

Cable glands with PG-thread are available on request.

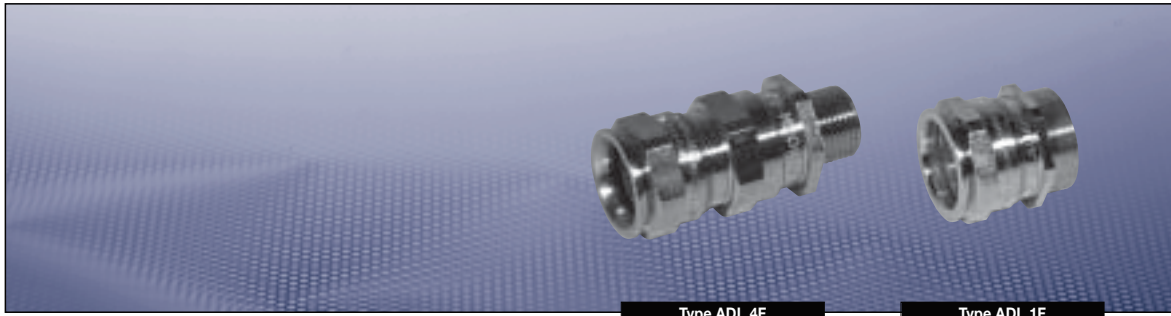
The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

Dimension drawing



Dimensions in mm



Type ADL 4F

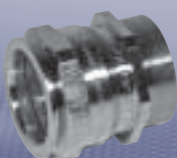
Type ADL 1F

Technical data

Ex-e cable glands metal design ADL 1F | ADL 4F V> 2000 cm³

Marking to 94/9/EC	Ex II 2 G EEx d IIC ¹ , EEx e II, EEx i IIC, EEx p II / Ex II 2 D
EC-Type Examination Certificate	LCIE 97 ATEX 6006 X
Permissible ambient temperature	-40 °C to +100 °C
Degree of protection accd. EN 60529	IP66 / IP68 - 10 bar
Cable glands/Gland plates/Enclosure drilling	ISO acc. ISO 965/1, ISO 965/2 (m) and EN 60423
Enclosure material	Natural brass

Ex-cable glands



Type ADL 1F

Ordering details

Thread	Type	Cable Ø outside mm	Dimensions			Weight approx. kg	Order No.
			A mm	L ¹⁾ mm	E mm		
Cable gland type ADL 1F for unarmoured cables							
ISO20 x 1.5	ADL 1F ISO20 N05B2	6 - 10	28	59	16	0,094	NOR 000 222 260 852
ISO20 x 1.5	ADL 1F ISO20 N05B1	9 - 14	28	59	16	0,093	NOR 000 222 260 860
ISO25 x 1.5	ADL 1F ISO25 N05B2	6 - 10	28	59	16	0,098	NOR 000 222 260 878
ISO25 x 1.5	ADL 1F ISO25 N05B1	9 - 14	28	59	16	0,096	NOR 000 002 260 886
ISO25 x 1.5	ADL 1F ISO25 N06B4	14 - 18	32	60	18	0,117	NOR 000 222 260 927
ISO25 x 1.5	ADL 1F ISO25 N06B5	16 - 19	32	60	18	0,108	NOR 000 112 260 590
ISO32 x 1.5	ADL 1F ISO32 N07B3	20 - 23	40	73	18	0,217	NOR 000 112 260 623
ISO32 x 1.5	ADL 1F ISO32 N08B1	20 - 27.5	52	83	18	0,357	NOR 000 112 260 657
NPT 1/2"	ADL 1F NPT1/2" N05B2	6 - 10	28	59	16	0,100	NOR 000 222 260 753
NPT 1/2"	ADL 1F NPT1/2" N05B1	9 - 14	28	59	16	0,099	NOR 000 222 260 761
NPT 3/4"	ADL 1F NPT3/4" N05B2	6 - 10	28	59	16	0,107	NOR 000 222 260 779
NPT 3/4"	ADL 1F NPT3/4" N05B1	9 - 14	28	59	16	0,105	NOR 000 222 260 787
NPT 3/4"	ADL 1F NPT3/4" N06B4	14 - 18	32	60	16	0,123	NOR 000 222 260 894
NPT 3/4"	ADL 1F NPT3/4" N06B5	16 - 19	32	60	16	0,115	NOR 000 002 260 890
NPT 1"	ADL 1F NPT1" N07B3	20 - 23	40	73	21	0,235	NOR 000 112 260 607
1" ISO 7/1	ADL 1F 1"ISO7-1 N07B3	20 - 23	40	73	19	0,230	NOR 000 002 260 915
NPT 1"	ADL 1F NPT1" N08B1	20 - 26	52	83	21	0,380	NOR 000 112 260 631
1" ISO 7/1	ADL 1F 1"ISO7-1 N08B1	20 - 26	52	83	19	0,375	NOR 000 002 260 923

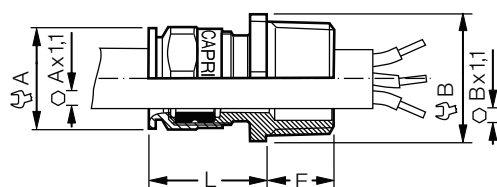
The threaded up to 3/4" NPT compatible with ISO 7/1 conic

PG 13.5	ADL 1F PG13.5 N05B2 B	6 - 10	28	59	16	0,098	NOR 000 222 260 810
PG 13.5	ADL 1F PG13.5 N05B1 A	9 - 14	28	59	16	0,096	NOR 000 222 260 828
PG 16	ADL 1F PG16 N05B2	6 - 10	28	59	16	0,107	NOR 000 222 260 836
PG 16	ADL 1F PG16 N05B1	9 - 14	28	59	16	0,105	NOR 000 222 260 844
PG 21	ADL 1F PG21 N06B4	14 - 18	32	60	21	0,147	NOR 000 222 260 919

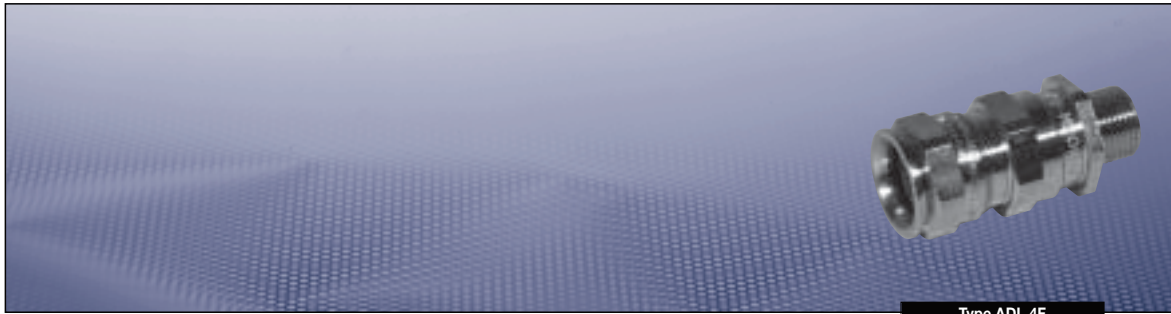
¹⁾ Dimensions with max. cable

All dimensions in mm

Dimension drawing



Dimensions in mm



Type ADL 4F

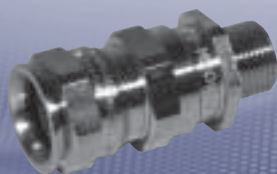
Ordering details

Thread	Type	Cable ²⁾		Amour mm	Dimensions				Weight approx. kg	Order No.
		Ø Ext. mm	Ø Int. mm		A mm	B mm	L ¹⁾ mm	E mm		
Cable gland type ADL 4F for armoured cables										
ISO20 x 1.5	ADL 4F ISO20 N05B2	10 - 15	6 - 10	0.15 - 1.25	28	–	59	16	0.152	NOR 000 222 260 547
ISO20 x 1.5	ADL 4F ISO20 N05B1	13 - 18	9 - 14	0.15 - 1.25	28	–	59	16	0.150	NOR 000 222 260 555
ISO25 x 1.5	ADL 4F ISO25 N05B2	10 - 15	6 - 10	0.15 - 1.25	28	–	59	16	0.155	NOR 000 222 260 563
ISO25 x 1.5	ADL 4F ISO25 N05B1	13 - 18	9 - 14	0.15 - 1.25	28	–	59	16	0.153	NOR 000 222 260 571
ISO25 x 1.5	ADL 4F ISO25 N06B4	18 - 22	14 - 18	0.15 - 1.25	32	–	60	18	0.184	NOR 000 222 260 638
ISO25 x 1.5	ADL 4F ISO25 N06B5	19 - 23	16 - 19	0.15 - 1.25	32	–	60	18	0.173	NOR 000 112 260 409
ISO32 x 1.5	ADL 4F ISO32 N06B4	18 - 22	14 - 18	0.15 - 1.25	32	36	63.5	15	0.228	NOR 000 222 260 646
ISO32 x 1.5	ADL 4F ISO32 N07B3	18 - 27.5	20 - 23	0.15 - 1.6	40	–	73	18	0.370	NOR 000 112 260 433
ISO32 x 1.5	ADL 4F ISO32 N08B1	23 - 33.5	20 - 27.5	0.15 - 2	52	–	83	18	0.690	NOR 000 112 260 467
ISO50 x 1.5	ADL 4F ISO50 N09B1	29 - 40.5	25 - 33	0.2 - 2	57	–	87	18	0.900	NOR 000 112 260 706
ISO50 x 1.5	ADL 4F ISO50 N10B2	35 - 48	30 - 39	0.5 - 2.5	72	–	100	18	1.255	NOR 000 112 260 722
ISO60 x 1.5	ADL 4F ISO60 N10B1	41 - 53	37 - 45	0.5 - 2.5	72	–	100	18	1.165	NOR 000 112 260 748
ISO60 x 1.5	ADL 4F ISO60 N10B3	50 - 56.5	44 - 49.5	0.5 - 2.5	72	–	100	18	1.120	NOR 000 112 260 764
NPT 1/2"	ADL 4F NPT 1/2" N05B2	10 - 15	6 - 10	0.15 - 1.25	28	–	59	16	0.158	NOR 000 222 260 422
NPT 1/2"	ADL 4F NPT 1/2" N05B1	13 - 18	9 - 14	0.15 - 1.25	28	–	59	16	0.156	NOR 000 222 260 430
NPT 3/4"	ADL 4F NPT 3/4" N05B2	10 - 15	6 - 10	0.15 - 1.25	28	–	59	16	0.165	NOR 000 222 260 464
NPT 3/4"	ADL 4F NPT 3/4" N05B1	13 - 18	9 - 14	0.15 - 1.25	28	–	59	16	0.163	NOR 000 222 260 472
NPT 3/4"	ADL 4F NPT 3/4" N06B4	18 - 22	14 - 18	0.15 - 1.25	32	–	60	16	0.190	NOR 000 002 260 589
NPT 3/4"	ADL 4F NPT 3/4" N06B5	19 - 23	16 - 19	0.15 - 1.25	32	–	60	16	0.180	NOR 000 222 260 733
NPT 1"	ADL 4F NPT 1" N06B4	13 - 18	9 - 14	0.15 - 1.25	32	38	67.5	20	0.267	NOR 000 112 260 612
NPT 1"	ADL 4F NPT 1" N06B5	19 - 23	16 - 19	0.15 - 1.25	32	38	67.5	20	0.257	NOR 000 112 260 392
NPT 1"	ADL 4F NPT 1" N07B3	18 - 27.5	20 - 23	0.15 - 1.6	40	–	73	21	0.390	NOR 000 112 260 417
NPT 1"	ADL 4F NPT 1" N08B1	23 - 33.5	20 - 26	0.15 - 2	52	–	83	21	0.712	NOR 000 112 260 441
NPT 1 1/4"	ADL 4F NPT 1 1/4" N07B3	18 - 27.5	20 - 23	0.15 - 1.6	40	44	83.5	20	0.520	NOR 000 112 260 425
NPT 1 1/4"	ADL 4F NPT 1 1/4" N08B1	23 - 33.5	20 - 26	0.15 - 2	52	–	83	21	0.730	NOR 000 112 260 459
NPT 1 1/2"	ADL 4F NPT 1 1/2" N09B1	29 - 40.5	25 - 33	0.2 - 2	57	–	87	21	0.904	NOR 000 112 260 780
NPT 1 1/2"	ADL 4F NPT 1 1/2" N10B2	35 - 48	30 - 39	0.2 - 2.5	72	–	100	18	1.255	NOR 000 112 260 798
NPT 2"	ADL 4F NPT 2" N10B1	41 - 53	37 - 45	0.2 - 2.5	72	–	100	25	1.190	NOR 000 112 260 805
NPT 2"	ADL 4F NPT 2" N10B3	50 - 56.5	44 - 49.5	0.2 - 2.5	72	–	100	25	1.140	NOR 000 112 260 813

¹⁾ The threaded up to 3/4" NPT compatible with ISO 7/1 conic

²⁾ Dimensions with max. cable

Ex-cable glands



Type ADL 4F

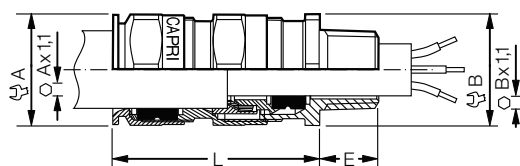
Ordering details

Thread	Type	Cable ²⁾		Amour	Dimensions				Weight approx. kg	Order No.
		Ø Ext. mm	Ø Int. mm		A mm	B mm	L ¹⁾ mm	E mm		
Cable gland type ADL 4F for armoured cable										
PG 11	ADL 4F PG11 N05B1	13 - 18	9 - 14	0.15 - 1.25	28	–	59	16	0.147	NOR 000 222 260 373
PG 13.5	ADL 4F PG13.5 N05B2	10 - 15	6 - 10	0.15 - 1.25	28	–	59	16	0.156	NOR 000 222 260 399
PG 13.5	ADL 4F PG13.5 N05B1	13 - 18	9 - 14	0.15 - 1.25	28	–	59	16	0.154	NOR 000 222 260 513
PG 16	ADL 4F PG16 N05B2	10 - 15	6 - 10	0.15 - 1.25	28	–	59	16	0.165	NOR 000 222 260 521
PG 16	ADL 4F PG16 N05B1	13 - 18	9 - 14	0.15 - 1.25	28	–	59	16	0.163	NOR 000 222 260 539
PG 21	ADL 4F PG21 N06B4	18 - 22	14 - 18	0.15 - 1.25	32	–	60	21	0.215	NOR 000 222 260 604
PG 21	ADL 4F PG21 N06B5	19 - 23	16 - 19	0.15 - 1.25	32	–	60	21	0.203	NOR 000 112 260 152
PG 29	ADL 4F PG29 N07B3	18 - 27.5	20 - 23	0.15 - 1.6	40	–	73	21	0.428	NOR 000 112 260 160
PG 29	ADL 4F PG29 N08B1	23 - 33.5	20 - 27.5	0.15 - 2	52	–	83	21	0.740	NOR 000 112 260 178
PG 36	ADL 4F PG36 N09B1	29 - 40.5	25 - 33	0.2 - 2	57	–	87	21	0.892	NOR 000 112 260 714
1" ISO 7/1	ADL 4F 1"ISO7-1 N05B4	18 - 22	14 - 18	0.15 - 1.25	32	36	67.5	19	0.265	NOR 000 222 260 620
1" ISO 7/1	ADL 4F 1"ISO7-1 N06B5	19 - 23	16 - 19	0.15 - 1.25	32	36	67.5	19	0.255	NOR 000 112 260 037
1" ISO 7/1	ADL 4F 1"ISO7-1 N07B3	18 - 27.5	20 - 23	0.15 - 1.6	40	–	73	19	0.385	NOR 000 002 260 741
1" ISO 7/1	ADL 4F 1"ISO7-1 N08B1	23 - 33.5	20 - 26	0.15 - 2	52	–	83	19	0.708	NOR 000 002 260 824
1 1/4" ISO 7/1	ADL 4F 1 1/4"ISO7-1 N08B1	23 - 33.5	20 - 27.5	0.15 - 2	52	–	83	21.5	0.803	NOR 000 112 260 053
1 1/2" ISO 7/1	ADL 4F 1 1/2"ISO7-1 N09B1	29 - 40.5	25 - 33	0.2 - 2	57	–	87	21.5	0.803	NOR 000 002 260 759
1 1/2" ISO 7/1	ADL 4F 1 1/2"ISO7-1 N10B2	35 - 48	30 - 39	0.5 - 2.5	72	–	100	21.5	1.282	NOR 000 002 260 767
2" ISO 7/1	ADL 4F 2"ISO7-1 N10B1	41 - 53	37 - 45	0.5 - 2.5	72	–	100	26	1.210	NOR 000 002 260 791
2" ISO 7/1	ADL 4F 2"ISO7-1 N10B3	50 - 56.5	44 - 49.5	0.5 - 2.5	72	–	100	26	1.162	NOR 000 002 260 808

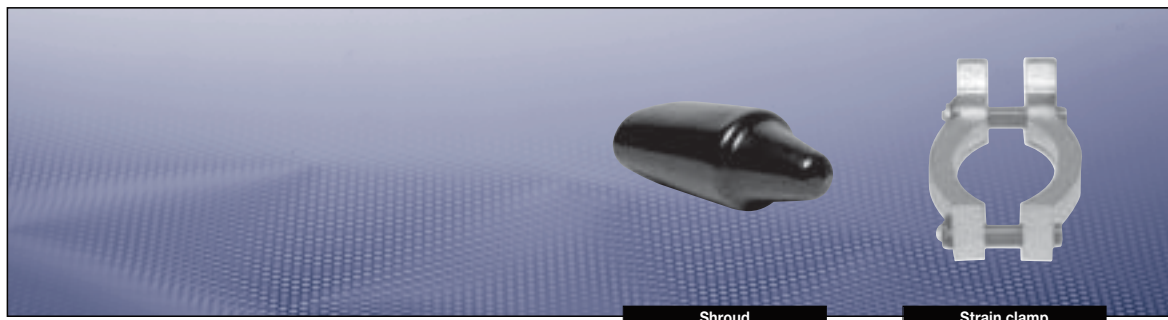
¹⁾ The threaded up to 3/4" NPT compatible with ISO 7/1 conic

²⁾ Dimensions with max. cable

Dimension drawing



Dimensions in mm



Shroud

Strain clamp

Accessories for cable glands type ADL

Ordering details for strain clamp

ADE Type	Cable Ø mm	B	C	Weight approx. kg	Order No.
5	8.0 - 12.0	22	5	0.035	CAP 810 534
6	6.0 - 11	27.5	6	0.075	CAP 810 634
7	9.0 - 15	33.5	8	0.140	CAP 810 734
8	12 - 20	45	8	0.220	CAP 810 834
9	16 - 26.5	52	9.5	0.061	CAP 810 934
10	21 - 32.5	59	9.5	0.069	CAP 811 034
11	28 - 39.5	69	12	0.130	CAP 811 134
12	33 - 46.5	78	12	0.160	CAP 811 234
13	40 - 54.5	92	10	0.370	CAP 811 334

Ordering details shrouds for cable glands

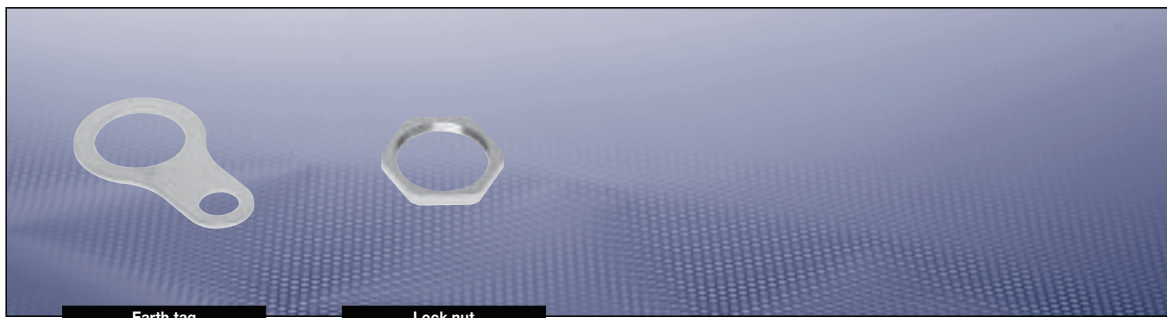
ADE Type	Ø D mm	Weight approx. kg	OU	Order No.
5	20	0.014	10	CAP 506 050
6	25	0.022	10	CAP 506 060
7	31	0.034	10	CAP 506 070
8	43	0.041	10	CAP 506 080
9	50	0.046	10	CAP 506 090
10	57	0.073	10	CAP 506 100
11	67	0.077	10	CAP 506 110
12	75	0.118	10	CAP 506 120
13	89	0.135	10	CAP 506 130

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.

Ex-cable glands



Accessories for cable glands type ADL

Ordering details earth tags for cable glands

Thread	Dimensions					Weight approx. kg	OU	Order No.
	A	B	ØC	ØD	E			
M12 x 1.5 ISO	48.75	30	6.75	24.5	13	0.008	10	CAP 567 024
M16 x 1.5 ISO	48.75	30	6.75	24.5	13	0.008	10	CAP 567 034
M20 x 1.5 ISO	53.8	33	7	28.6	13	0.008	10	CAP 567 054
M25 x 1.5 ISO	61.5	36	10.5	34	17	0.011	10	CAP 567 074
M32 x 1.5 ISO	73	41	12.2	42	22	0.015	10	CAP 567 094
M40 x 1.5 ISO	86.5	44.5	13.5	54	30	0.025	10	CAP 567 124
M50 x 1.5 ISO	111.5	58	13.5	67	40	0.041	10	CAP 567 154
M63 x 1.5 ISO	125.5	67	13.5	77	40	0.044	10	CAP 567 184
3/8" NPT	53.8	33	7	28.6	13	0.008	10	CAP 567 044
1/2" NPT	61.5	36	10.5	34	17	0.008	10	CAP 567 064
3/4" NPT	73	41	12.2	42	22	0.008	10	CAP 567 084
1" NPT	73	41	12.2	42	22	0.011	10	CAP 567 104
1 1/4" NPT	86.5	44.5	13.5	54	30	0.015	10	CAP 567 134
1 1/2" NPT	111.5	58	13.5	67	40	0.025	10	CAP 567 154
2" NPT	125.5	67	13.5	77	40	0.041	10	CAP 567 174
2 1/2" NPT	137.5	73	13.5	89	40	0.044	10	CAP 567 194

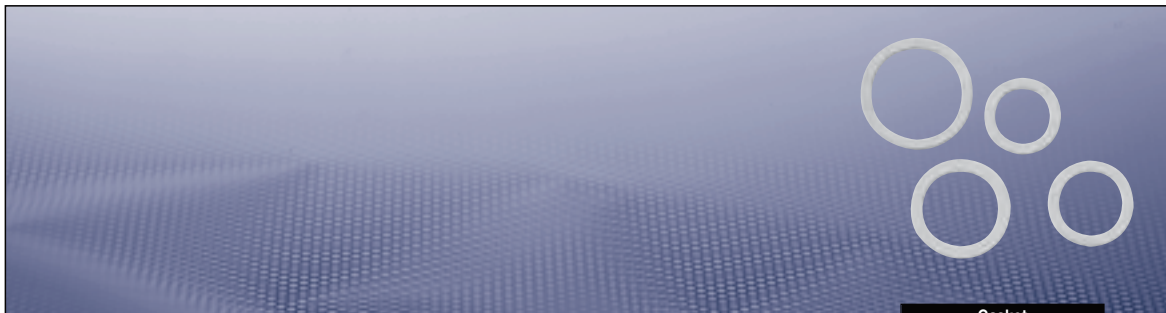
Ordering details lock nuts

Thread	Dimensions		OU	Order No.
	mm	L mm		
M12 x 1.5	14	2.8	10	CAP 221 294
M16 x 1.5	18	2.8	10	CAP 221 694
M20 x 1.5	23	3.0	10	CAP 222 094
M25 x 1.5	28	3.0	10	CAP 222 594
M32 x 1.5	36	3.5	10	CAP 223 294
M40 x 1.5	44	4.0	10	CAP 224 094
M50 x 1.5	54	5.0	10	CAP 225 094
M63 x 1.5	70	6.0	10	CAP 226 394
1/4"	16	2.8	10	CAP 280 104
3/8"	20	2.8	10	CAP 280 114
1/2"	24	3.5	10	CAP 280 124
3/4"	30	3.5	10	CAP 280 134
1"	37	4.5	10	CAP 280 144
1 1/4"	47	4.5	10	CAP 280 154
1 1/2"	52	5.0	10	CAP 280 164
2"	64	5.5	10	CAP 280 174
2 1/2"	77	6.5	10	CAP 280 184
3"	95	8.0	10	CAP 280 194
3 1/2"	110	10.0	10	CAP 280 204
4"	120	11.0	10	CAP 280 214

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

Please note that only order units (OU) can be ordered.



Accessories for cable glands type ADL

Ordering details gaskets for cable glands

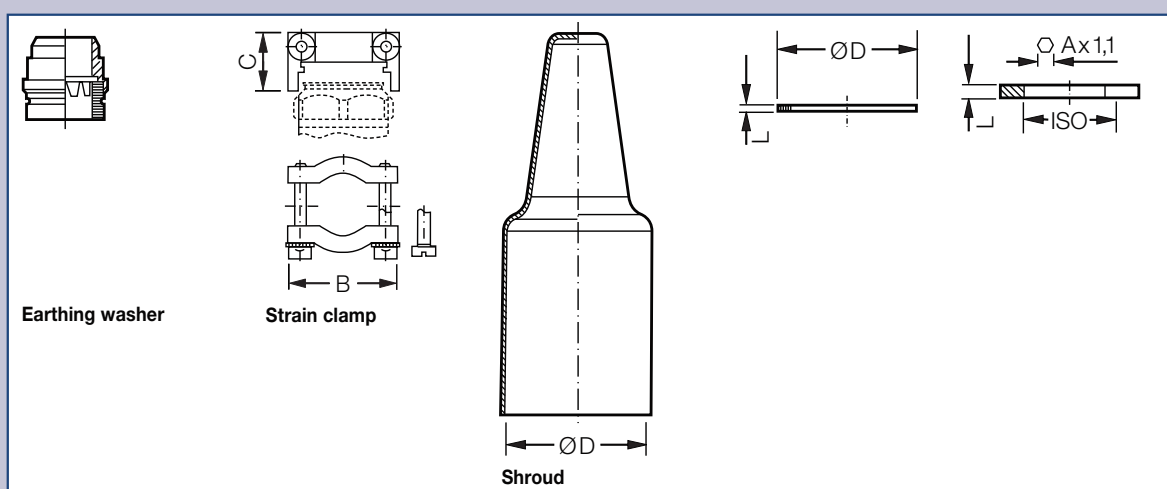
Thread	Ø D mm	L mm	OU	Order No.
M12 x 1.5	18	1.2	10	CAP 221 249
M16 x 1.5	22	1.2	10	CAP 221 649
M20 x 1.5	24	1.2	10	CAP 222 049
M25 x 1.5	30	1.5	10	CAP 222 549
M32 x 1.5	42	1.5	10	CAP 223 249
M40 x 1.5	52	1.5	10	CAP 224 049
M50 x 1.5	63	1.5	10	CAP 225 049
M63 x 1.5	77	2.0	10	CAP 226 349
1/4"	20	1.5	10	CAP 229 014
3/8"	22	1.5	10	CAP 229 038
1/2"	27	1.5	10	CAP 229 012
3/4"	33	1.5	10	CAP 229 034
1"	41	1.5	10	CAP 229 010
1 1/4"	52	1.5	10	CAP 229 114
1 1/2"	57	1.5	10	CAP 229 112
2"	71	2.0	10	CAP 229 020
2 1/2"	85	2.0	10	CAP 229 212
3"	104	2.0	10	CAP 229 300
3 1/2"	120	2.0	10	CAP 229 312

Cable glands with PG-thread are available on request.

The order No. will show 1 pcs.

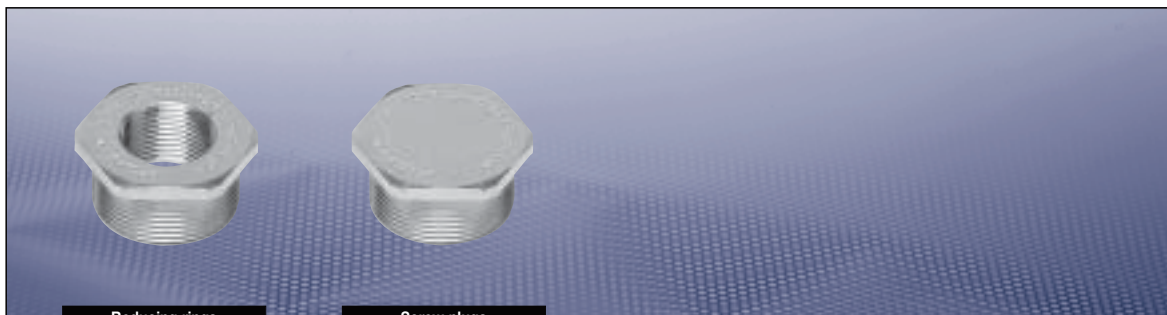
Please note that only order units (OU) can be ordered.

Dimension drawing



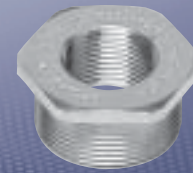
Dimensions in mm

Ex-cable glands



Technical data

Ex-d cable glands metal design Reducing rings Screw plug Adapter ISO-NPT	
Marking to 94/9/EC	Ex II 2 G EEx e II / EEx d IIC / Ex II 2 D
EC-Type Examination Certificate	LCIE 98 ATEX 0001 X
Permissible ambient temperature	-40 °C to +100 °C
Degree of protection accd. EN 60529	IP66 / IP68 - 10 bar
Enclosure material	Brass, nickel-plated



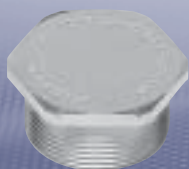
Reducing rings

Ordering details

Thread 1 (male)	Thread 2 (female)	A mm	L mm	E mm	Order No.
Reducing rings ISO for Metric thread					
M16 x 1.5	M12 x 1.5	18	2.8	15	CAP 745 834
M20 x 1.5	M12 x 1.5	23	3.0	15	CAP 745 844
M20 x 1.5	M16 x 1.5	23	3.0	15	CAP 740 024
M25 x 1.5	M16 x 1.5	28	3.0	15	CAP 740 034
M25 x 1.5	M20 x 1.5	28	3.0	15	CAP 740 294
M32 x 1.5	M20 x 1.5	36	3.5	15	CAP 740 304
M32 x 1.5	M25 x 1.5	36	3.5	15	CAP 740 564
M40 x 1.5	M25 x 1.5	44	4.0	15	CAP 740 574
M40 x 1.5	M32 x 1.5	44	4.0	15	CAP 740 834
M50 x 1.5	M32 x 1.5	54	5.0	16	CAP 740 844
M50 x 1.5	M40 x 1.5	54	5.0	16	CAP 741 104
M63 x 1.5	M40 x 1.5	67	5.5	17	CAP 741 114
M63 x 1.5	M50 x 1.5	67	5.5	17	CAP 741 374
M75 x 1.5	M32 x 1.5	80	6.0	18	CAP 740 864
M75 x 1.5	M40 x 1.5	80	6.0	18	CAP 741 124
M75 x 1.5	M50 x 1.5	80	6.0	18	CAP 741 384
M75 x 1.5	M63 x 1.5	80	6.0	18	CAP 741 644
M90 x 1.5	M63 x 1.5	95	8.0	22	CAP 745 854
M90 x 1.5	M75 x 1.5	95	8.0	22	CAP 745 864
M100 x 1.5	M75 x 1.5	110	10.0	22	CAP 745 874
M100 x 1.5	M90 x 1.5	120	10.0	22	CAP 745 914
M110 x 1.5	M90 x 1.5	120	11.0	22	CAP 745 924
M110 x 1.5	M100 x 1.5	120	11.0	22	CAP 745 934

Reducing rings NPT					
3/8"	1/4"	18	2.8	12	CAP 745 574
1/2"	2/4"	22	3.0	16	CAP 745 584
1/2"	3/8"	22	3.0	16	CAP 745 594
3/4"	3/8"	28	3.0	16	CAP 745 604
3/4"	1/2"	28	3.0	16	CAP 744 884
1"	1/2"	36	3.5	20	CAP 744 894
1"	3/4"	36	3.5	20	CAP 745 154
1 1/4"	3/4"	44	4.0	20	CAP 745 164
1 1/4"	1"	44	4.0	20	CAP 745 424
1 1/2"	1"	50	5.0	20	CAP 745 434
1 1/2"	1 1/4"	50	5.0	20	CAP 745 694
2"	1"	64	5.5	20	CAP 745 444
2"	1 1/4"	64	5.5	20	CAP 745 704
2"	1 1/2"	64	5.5	20	CAP 745 964
2 1/2"	1 1/2"	75	6.0	28	CAP 745 974
2 1/2"	2"	75	6.0	28	CAP 746 234
3"	2"	90	8.0	30	CAP 746 244
3"	2 1/2"	90	8.0	30	CAP 746 504
3 1/2"	2 1/2"	110	10.0	32	CAP 745 654
3 1/2"	3"	110	10.0	32	CAP 745 664
4"	3"	120	11.0	32	CAP 746 834
4"	3 1/2"	120	11.0	32	CAP 745 734

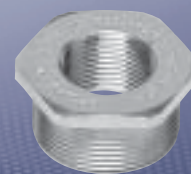
Ex-cable glands



Screw plugs

Ordering details

Thread 1 (male)	A mm	L mm	E mm	Order No.
Screw plug with ISO thread				
M12 x 1.5	14	2.8	15	CAP 190 124
M16 x 1.5	18	3.0	15	CAP 190 164
M20 x 1.5	23	3.0	15	CAP 190 204
M25 x 1.5	28	3.5	15	CAP 190 254
M32 x 1.5	36	4.0	15	CAP 190 324
M40 x 1.5	44	4.0	15	CAP 190 404
M50 x 1.5	54	5.0	16	CAP 190 504
M63 x 1.5	67	5.5	17	CAP 190 634
Screw plug with NPT thread				
1/4 "	14	2.8	12	CAP 190 194
3/8 "	18	2.8	12	CAP 190 294
1/2 "	22	3.0	16	CAP 190 394
3/4 "	28	3.0	16	CAP 190 494
1 "	36	3.5	20	CAP 190 594
1 " 1/4	44	4.0	20	CAP 190 694
1 " 1/2	50	5.0	20	CAP 190 794
2 "	64	5.5	20	CAP 190 894
2 " 1/2	75	6.0	28	CAP 190 994
3 "	90	8.0	30	CAP 191 094
3 " 1/2	110	10.0	32	CAP 191 194
4 "	120	11.0	32	CAP 191 294



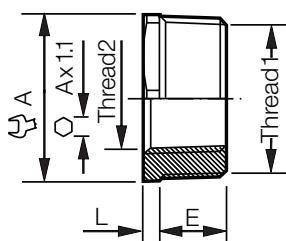
Reducing rings

Ordering details

Thread 1 (male)	Thread 2 (female)	A mm	L mm	E mm	Ø D mm	Order No.
Adapter ISO - NPT						
M20 x 1.5	1/2 " NPT	24	18	15	15.5	CAP 744 704
M20 x 1.5	3/4 " NPT	30	18.5	15	15.5	CAP 744 964
M25 x 1.5	3/4 " NPT	30	18.5	15	20.3	CAP 744 974
M25 x 1.5	1 " NPT	38	22.5	15	20.3	CAP 745 234
M32 x 1.5	1 " NPT	38	22.5	15	27.3	CAP 745 244
M32 x 1.5	1 " 1/4 NPT	48	22.5	15	27.3	CAP 745 504
M40 x 1.5	1 " 1/4 NPT	48	22.5	15	35.3	CAP 745 514
M40 x 1.5	1 " 1/2 NPT	52	22.5	15	35.3	CAP 745 774
M50 x 1.5	2 " NPT	64	22.5	16	45.2	CAP 746 044
M63 x 1.5	2 " NPT	67	22.5	17	53.6	CAP 746 054
M63 x 1.5	2 " 1/2 NPT	77	31	17	57.8	CAP 746 314

Adapter NPT - ISO						
1/2 " NPT	M20 x 1.5	23	18.5	16	15.0	CAP 740 454
1/2 " NPT	M25 x 1.5	28	19.0	16	15.0	CAP 740 714
3/4 " NPT	M25 x 1.5	28	19.0	16	20.1	CAP 740 724
3/4 " NPT	M32 x 1.5	36	19.0	16	20.1	CAP 740 984
1 " NPT	M32 x 1.5	36	19.0	20	26.0	CAP 740 994
1 " NPT	M40 x 1.5	44	19.0	20	26.0	CAP 741 254
1 " 1/4 NPT	M40 x 1.5	44	19.0	20	34.8	CAP 741 264
1 " 1/4 NPT	M50 x 1.5	54	20.0	20	34.8	CAP 741 524
1 " 1/2 NPT	M50 x 1.5	54	20.0	20	40.8	CAP 741 534
1 " 1/2 NPT	M63 x 1.5	67	21.0	20	40.8	CAP 741 794
2 " NPT	M63 x 1.5	67	21.0	20	52.4	CAP 741 804

Dimension drawing



Dimensions in mm