

Amphenol®



GuardXcel™ Cable Gland Series

www.amphenol-industrial.com

Company Profile



Endicott, NY

Amphenol Industrial Operations

Amphenol Industrial Operations, headquartered in a 30,000 square foot facility in Endicott, N.Y., provides a full range of high reliability power/signal connectors and interconnection systems specifically for the industrial markets including rail/mass transit, process control, automotive manufacturing, heavy equipment, wireless base stations and petrochemical/power generation.

Products include ruggedized-for-industry cylindrical, rectangular, fiber optic, signal and power, RADSOK power and power-to-board solutions, cable and harness assemblies, as well as industrialized versions of Amphenol's MIL-DTL-5015 cylindrical, MIL-DTL-26482 miniature cylindrical and GT reverse bayonet cylindrical connectors. Amphenol Industrial Operations employs more than 1,400 people globally and is ISO9001, TS96949 and MIL-STD-790 certified.



Amphenol Technology (Zhuhai) Co., Ltd

Established in 2007, Amphenol Technology (Zhuhai) Co., Ltd. is a manufacturing facility for Amphenol Industrial Operations, which serves a number of industrial markets. Included but not limited to Factory Automation, Transportation, Heavy Equipment, Alternative Energy, Energy Storage. Server/Data Comm and Power Distribution.

Amphenol Technology (Zhuhai) Co., Ltd. covers an area of 276,000 ft² and is equipped with CNC, plating, injection molding and assembly workshops. This plant specializes in the design and manufacturing of industrial connectors featuring high power, high density, medium to high voltage electrical properties, and harsh environment applications.

With industry leading engineering, design and manufacturing expertise, Amphenol Technology(Zhuhai) Co., Ltd. has earned more than 60 utility patents on its innovative interconnects. Many of the products produced have been certified by independent standards including UL, IEC/TUV, ATEX, IECEx and MA. The facility is also certified to ISO 9001, ISO 14001 and IATF 16949.

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STANDARD CABLE GLANDS WITH THREAD, POLYAMIDE

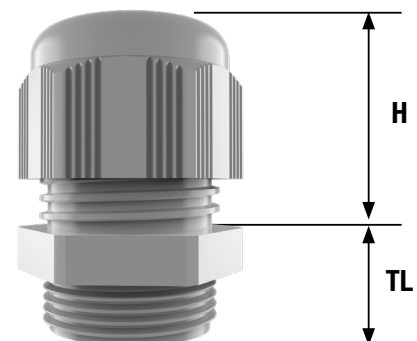
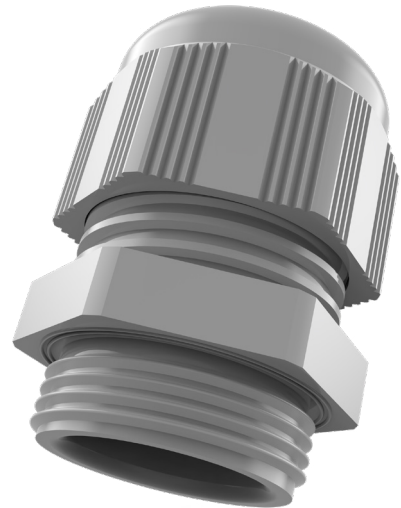
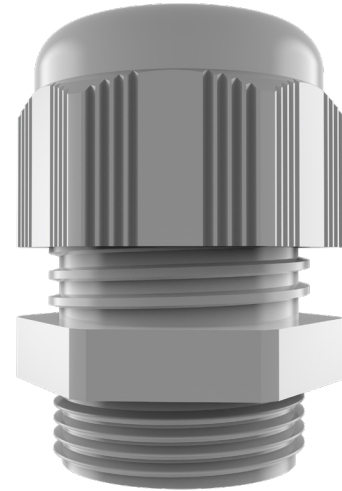
Polyamide Cable Glands with Lamellar Clamping

- For standard industrial applications in harsh environments.
- Easy assembly.
- High quality strain relief and sealing reliable performance for standard industrial applications.
- Up-to-date international approvals

Technical Details

Material	Body, Cap	PA 6 (Polyamide 6)
	Seal	CR (Chloroprene)
Ingress Protection Rating	IP 68-5 Bar, 30 min IP 66	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-40 °C to +150 °C
Thread Type	• Metric EN 60423 • NPT ANSI B1.20.1 • PG DIN 40430 • Gas ISO 228 • Other thread types also available upon request.	
Cable Type	Non-armored	
Accessories	• Lock nuts • Dome plugs • Reducing seals • Flat cable seals • Multihole seals • Gaskets (Washers)	
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. • Other colors on request RAL 5015 (blue) RAL 9003 (white) RAL 3020 (red)	
Approvals	Certification Number	Standards
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
TYPE 4X		UL50E

For more approvals: see our web page



STANDARD CABLE GLANDS WITH THREAD, POLYAMIDE

Thread Type Metric Acc. to EN 60423									
Outer Thread Size	Core Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number		
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M12x1.5	2.0-5.0	8.0	15	15	17.0	25.3	AIO-BICS-1S	AIO-BICS-0S	AIO-BICS-2S
	2.0-5.0	10.0					AIO-BMCS-EN-1SMR	AIO-BMCS-EN-0SMR	AIO-BMCS-EN-2SMR
	2.0-5.0	15.0					AIO-BMCS-EN-1SRL	AIO-BMCS-EN-0SRL	AIO-BMCS-EN-2SRL
	3.0-6.5	8.0					AIO-BMCS-1S	AIO-BMCS-0S	AIO-BMCS-2S
	3.0-6.5	10.0					AIO-BMCS-EN-1SM	AIO-BMCS-EN-0SM	AIO-BMCS-EN-2SM
	3.0-6.5	15.0					AIO-BMCS-EN-1SL	AIO-BMCS-EN-0SL	AIO-BMCS-EN-2SL
	2.0-6.0	8.0	19	19	21.7	27.4	AIO-BMCS-EN-11R	AIO-BMCS-EN-01R	AIO-BMCS-EN-21R
	2.0-6.0	10.0					AIO-BMCS-EN-11MR	AIO-BMCS-EN-01MR	AIO-BMCS-EN-21MR
	2.0-6.0	15.0					AIO-BMCS-EN-11LR	AIO-BMCS-EN-01LR	AIO-BMCS-EN-21LR
	3.0-7.0	10.0	22	22	25.0	32.2	AIO-BICS-11	AIO-BICS-01	AIO-BICS-21
M16x1.5	3.0-7.0	15.0	22	22	21.7	27.4	AIO-BICS-11L	AIO-BICS-01L	AIO-BICS-21L
	4.0-8.0	8.0	19	19	21.7	27.4	AIO-BMCS-EN-11	AIO-BMCS-EN-01	AIO-BMCS-EN-21
	4.0-8.0	10.0					AIO-BMCS-EN-11M	AIO-BMCS-EN-01M	AIO-BMCS-EN-21M
	4.0-8.0	15.0					AIO-BMCS-EN-11L	AIO-BMCS-EN-01L	AIO-BMCS-EN-21L
	5.0-10.0	10.0	22	22	25.0	32.2	AIO-BMCS-11	AIO-BMCS-01	AIO-BMCS-21
	5.0-10.0	15.0					AIO-BMCS-11L	AIO-BMCS-01L	AIO-BMCS-21L
M20x1.5	5.0-9.0	10.0	24	24	27.0	32.4	AIO-BICS-12	AIO-BICS-02	AIO-BICS-22
	5.0-9.0	15.0					AIO-BICS-12L	AIO-BICS-02L	AIO-BICS-22L
	6.0-12.0	10.0					AIO-BMCS-12	AIO-BMCS-02	AIO-BMCS-22
	6.0-12.0	15.0					AIO-BMCS-12L	AIO-BMCS-02L	AIO-BMCS-22L
	7.0-12.0	10.0	27	27	30.9	31.9	AIO-BICS-13	AIO-BICS-03	AIO-BICS-23
	7.0-12.0	15.0					AIO-BICS-14	AIO-BICS-04	AIO-BICS-24
	7.0-13.0	10.0	25	25	27.5	34.0	AIO-BMCS-EN-12S	AIO-BMCS-EN-02S	AIO-BMCS-EN-22S
	10.0-14.0	10.0					AIO-BMCS-13	AIO-BMCS-03	AIO-BMCS-23
	10.0-14.0	15.0	27	27	30.9	31.9	AIO-BMCS-14	AIO-BMCS-04	AIO-BMCS-24
M25x1.5	9.0-13.0	8.0	29	29	32.5	37.7	AIO-BMCS-EN-13R	AIO-BMCS-EN-03R	AIO-BMCS-EN-23R
	9.0-13.0	15.0					AIO-BMCS-EN-13RL	AIO-BMCS-EN-03RL	AIO-BMCS-EN-23RL
	9.0-16.0	10.0	33	33	37.2	38.4	AIO-BICS-15	AIO-BICS-05	AIO-BICS-25
	9.0-16.0	15.0	33	33	32.5	37.7	AIO-BICS-16	AIO-BICS-06	AIO-BICS-26
	11.0-17.0	8.0	29	29	32.5	37.7	AIO-BMCS-EN-13	AIO-BMCS-EN-03	AIO-BMCS-EN-23
	11.0-17.0	15.0					AIO-BMCS-EN-13L	AIO-BMCS-EN-03L	AIO-BMCS-EN-23L
	13.0-18.0	10.0	33	33	37.2	38.4	AIO-BMCS-15	AIO-BMCS-05	AIO-BMCS-25
	13.0-18.0	15.0					AIO-BMCS-16	AIO-BMCS-06	AIO-BMCS-26
M32x1.5	11.0-15.0	10.0	36	36	41.0	42.3	AIO-BMCS-EN-14R	AIO-BMCS-EN-04R	AIO-BMCS-EN-24R
	11.0-15.0	15.0					AIO-BMCS-EN-14RL	AIO-BMCS-EN-04RL	AIO-BMCS-EN-24RL
	12.0-20.0	15.0	42	42	47.1	42.3	AIO-BICS-17	AIO-BICS-07	AIO-BICS-27
	15.0-21.0	10.0	36	36	41.0	42.3	AIO-BMCS-EN-14	AIO-BMCS-EN-04	AIO-BMCS-EN-24
	15.0-21.0	15.0					AIO-BMCS-EN-14L	AIO-BMCS-EN-04L	AIO-BMCS-EN-24L
	18.0-25.0	15.0	42	42	47.1	43.3	AIO-BMCS-17	AIO-BMCS-07	AIO-BMCS-27
M40x1.5	16.0-23.0	10.0	46	46	52.4	47.4	AIO-BMCS-EN-15R	AIO-BMCS-EN-05R	AIO-BMCS-EN-25R
	16.0-23.0	18.0					AIO-BMCS-EN-15RL	AIO-BMCS-EN-05RL	AIO-BMCS-EN-25RL
	19.0-28.0	10.0					AIO-BMCS-EN-15	AIO-BMCS-EN-05	AIO-BMCS-EN-25
	19.0-28.0	18.0					AIO-BMCS-EN-15L	AIO-BMCS-EN-05L	AIO-BMCS-EN-25L
	20.0-26.0	18.0	53	53	59.6	52.4	AIO-BICS-18	AIO-BICS-08	AIO-BICS-28
	22.0-32.0	18.0					AIO-BMCS-18	AIO-BMCS-08	AIO-BMCS-28
M50x1.5	25.0-31.0	18.0	60	60	67.8	54.8	AIO-BICS-19	AIO-BICS-09	AIO-BICS-29
	30.0-38.0	18.0					AIO-BMCS-19	AIO-BMCS-09	AIO-BMCS-29
M63x1.5	29.0-35.0	18.0	65	65	72.4	54.9	AIO-BICS-20	AIO-BICS-10	AIO-BICS-30
	34.0-44.0	18.0					AIO-BMCS-20	AIO-BMCS-10	AIO-BMCS-30
M75x2.0	48.0-55.0	25.0	75	80	89.0	55.0	AIO-BMCS-B12	AIO-BMCS-B02	AIO-BMCS-B22

STANDARD CABLE GLANDS WITH THREAD, POLYAMIDE

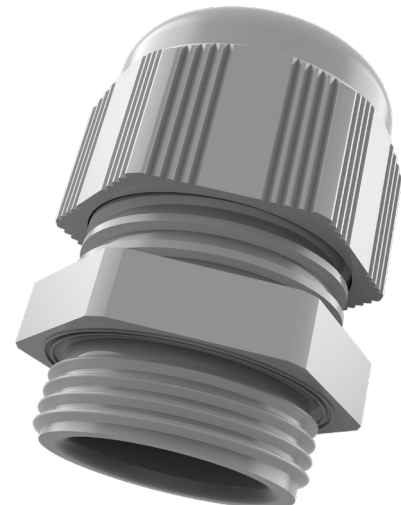
Polyamide Cable Glands with Lamellar Clamping

- For standard industrial applications in harsh environments.
- Easy assembly.
- High quality strain relief and sealing reliable performance for standard industrial applications.
- Up-to-date international approvals.

Technical Details

Material	Body, Cap	PA 6 (Polyamide 6)
	Seal	CR (Chloroprene)
Ingress Protection Rating	IP 68-5 Bar, 30 min IP 66	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-40 °C to +150 °C
Thread Type	• Metric EN 60423 • NPT ANSI B1.20.1 • PG DIN 40430 • Gas ISO 228 • Other thread types also available upon request.	
Cable Type	Non-armored	
Accessories	• Lock nuts • Dome plugs • Reducing seals • Flat cable seals • Multihole seals • Gaskets (Washers)	
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. • Other colors on request: RAL 5015 (blue) RAL 9003 (white) RAL 3020 (red)	
Approvals	Certification Number	Standards
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
TYPE 4X		UL50E

For more approvals: see our web page

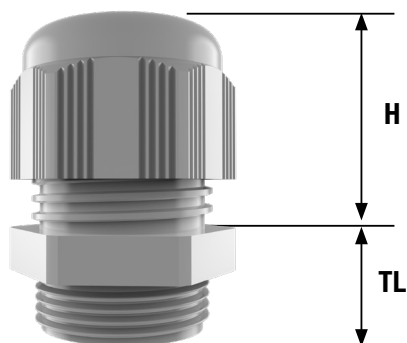


STANDARD CABLE GLANDS WITH THREAD, POLYAMIDE

Thread Type NPT Acc. to ANSI B1.20.1									
Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number		
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
NPT 3/8"	3.0-7.0	15.0	22	22	25.0	32.2	AIO-BSCSPA-11R	AIO-BSCSPA-01R	AIO-BSCSPA-21R
	5.0-10.0	15.0	22	22	25.0	32.2	AIO-BSCSPA-11	AIO-BSCSPA-01	AIO-BSCSPA-21
NPT 1/2"	5.0-9.0	15.0	24	24	27.0	32.4	AIO-BSCSPB-12R	AIO-BSCSPB-02R	AIO-BSCSPB-22R
	6.0-12.0	15.0	24	24	27.0	32.4	AIO-BSCSPC-12	AIO-BSCSPC-02R	AIO-BSCSPB-22
	7.0-12.0	15.0	27	27	30.9	31.9	AIO-BSCSPC-12R	AIO-BSCSPC-02	AIO-BSCSPC-22R
	10.0-14.5	15.0	27	27	30.9	31.9	AIO-BSCSCSPC-12	AIO-BSCSCSPC-02	AIO-BSCSPC-22
NPT 3/4"	9.0-16.0	15.0	33	33	37.2	38.4	AIO-BSCSPC-13R	AIO-BSCSPC-03R	AIO-BSCSPC-23R
	13.0-18.0	15.0	33	33	37.2	38.4	AIO-BSCSCSP-13	AIO-AIO-BSCSCSP-03	AIO-BSCSP-23
NPT 1"	12.0-20.0	18.0	42	42	47.1	43.3	AIO-BSCSCSP-14R	AIO-AIO-BSCSCSP-04R	AIO-BSCSP-24R
	18.0-25.0	18.0	42	42	47.1	43.3	AIO-BSCSCSP-14	AIO-AIO-BSCSCSP-04	AIO-BSCSP-24

Thread Type PG Acc. to DIN 40430									
Outer Thread Size	Core Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number		
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	h (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
PG 7	2.0-5.0	8.0	15	15	17	25.3	AIO-BSCSR-11	AIO-BSCSR-01	AIO-BSCSR-21
	3.0-6.5						AIO-BSCS-11	AIO-BSCS-01	AIO-BSCS-21
PG 9	2.0-6.0	8.0	19	19	21.7	27.4	AIO-BSCSR-12	AIO-BSCSR-02	AIO-BSCSR-22
	4.0-8.0						AIO-BSCS-12	AIO-BSCS-02	AIO-BSCS-22
PG 11	3.0-7.0	8.0	22	22	25	32.2	AIO-BSCSR-13	AIO-BSCSR-03	AIO-BSCSR-23
	5.0-10.0						AIO-BSCS-13	AIO-BSCS-03	AIO-BSCS-23
PG 13.5	5.0-9.0	10.0	24	24	27	32.4	AIO-BSCSR-14	AIO-BSCSR-04	AIO-BSCSR-24
	6.0-12.0						AIO-BSCS-14	AIO-BSCS-04	AIO-BSCS-24
PG 16	7.0-12.0	10.0	27	27	30.9	31.9	AIO-BSCSR-15	AIO-BSCSR-05	AIO-BSCSR-25
	10.0-14.0						AIO-BSCS-15	AIO-BSCS-05	AIO-BSCS-25
PG 21	9.0-16.0	11.0	33	33	37.2	38.4	AIO-BSCSR-16	AIO-BSCSR-06	AIO-BSCSR-26
	13.0-18.0						AIO-BSCS-16	AIO-BSCS-06	AIO-BSCS-26
PG 29	12.0-20.0	11.0	42	42	47.1	43.3	AIO-BSCSR-17	AIO-BSCSR-07	AIO-BSCSR-27
	18.0-25.0						AIO-BSCS-17	AIO-BSCS-07	AIO-BSCS-27
PG 36	20.0-26.0	13.0	53	53	59.6	52.4	AIO-BSCSR-18	AIO-BSCSR-08	AIO-BSCSR-28
	22.0-32.0						AIO-BSCS-18	AIO-BSCS-08	AIO-BSCS-28
PG 42	25.0-31.0	13.0	60	60	67.8	54.8	AIO-BSCSR-19	AIO-BSCSR-09	AIO-BSCSR-29
	30.0-38.0						AIO-BSCS-19	AIO-BSCS-09	AIO-BSCS-29
PG 48	29.0-35.0	14.0	65	65	72.4	54.9	AIO-BSCSR-20	AIO-BSCSR-10	AIO-BSCSR-30
	34.0-44.0						AIO-BSCS-20	AIO-BSCS-10	AIO-BSCS-30

STANDARD CABLE GLANDS WITH THREAD, POLYAMIDE



Thread Type G Acc. to G ISO 228

Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number		
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
G 1/4	2.0-5.0	10.0	15	15	17.0	25.3	AIO-BPCSFR-1S	AIO-BPCSFR-0S	AIO-BPCSFR-2S
	3.0-6.5	10.0	15	15	17.0	25.3	AIO-BPCSF-1S	AIO-BPCSF-0S	AIO-BPCSF-2S
G 3/8	3.0-7.0	11.0	22	22	25.0	32.2	AIO-BPCSFR-11	AIO-BPCSFR-01	AIO-BPCSFR-21
	5.0-10.0	11.0	22	22	25.0	32.2	AIO-BPCSF-11	AIO-BPCSF-01	AIO-BPCSF-21
G 1/2	5.0-9.0	10.0	24	24	27.0	32.4	AIO-BPCSFR-12	AIO-BPCSFR-02	AIO-BPCSFR-22
	6.0-12.0	10.0	24	24	27.0	32.4	AIO-BPCSF-12	AIO-BPCSF-02	AIO-BPCSF-22
G 1/2	7.0-12.0	11.0	27	27	30.9	31.9	AIO-BPCSFR-13	AIO-BPCSFR-03	AIO-BPCSFR-23
	10.0-14.0	11.0	27	27	30.9	31.9	AIO-BPCSF-13	AIO-BPCSF-03	AIO-BPCSF-23
G 3/4	9.0-16.0	12.0	33	33	37.2	38.4	AIO-BPCSFR-14	AIO-BPCSFR-04	AIO-BPCSFR-24
	13.0-18.0	12.0	33	33	37.2	38.4	AIO-BPCSF-14	AIO-BPCSF-04	AIO-BPCSF-24
G 1	12.0-20.0	13.0	42	42	47.1	43.3	AIO-BPCSFR-15	AIO-BPCSFR-05	AIO-BPCSFR-25
	18.0-25.0	13.0	42	42	47.7	43.3	AIO-BPCSF-15	AIO-BPCSF-05	AIO-BPCSF-25

STANDARD CABLE GLANDS WITH THREAD, BRASS

Brass Cable Glands with Lamellar Clamping

- For standard industrial applications in harsh environments.
- Easy assembly.
- High quality strain relief and sealing reliable performance for standard industrial applications.
- Up-to-date international approvals.

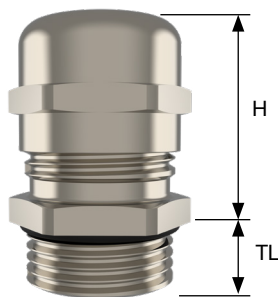


Technical Details		
Material	Body, Cap	Brass Nickel plated
	Seal	CR (Chloroprene)
	Clamping Insert	PA 6 (Polyamide 6)
	O-Ring	NBR
Ingress Protection Rating	IP 68-5 Bar, 30 min IP 66	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-40 °C to +150 °C
Thread Type	• Metric EN 60423 • NPT ANSI B1.20.1 • PG DIN 40430 • Other thread types also available upon request.	
Cable Type	Non-armored	
Accessories	• Lock nuts • Dome plugs • Reducing seals • Flat cable seals • Multihole seals • Gaskets (Washers)	
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. • O-ring available in Metric and PG threads as a standard. For NPT threads, O-ring available upon request. • Accessories must be ordered separately.	
Approvals	Certificate Number	Standards
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
TYPE 4X		UL50E

Order Coding

Part Number	-	Gasket (Washer)	Lock Nut	Sealing Plug
Mandatory	-	Option	Option	Option
See table	-	WC-Chloroprene WS-Silicone	L-Lock Nut	P-Dome Plug T-Dust Plug
Example				
AIO-BMCSBE-E4	-	WC	L	P

STANDARD CABLE GLANDS WITH THREAD, BRASS



Thread Type NPT Acc. to ANSI B							Part Number
Outer Thread Size (Male)	Clamp Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
NPT 3/8"	2.0-6.0	11.5	17	19	21.0	25.5	AIO-BNCSBD-01
	3.0-7.0	11.5	20	20	22.0	31.5	AIO-BNCSBD-01S
	4.0-8.0	11.5	17	19	21.0	25.5	AIO-BNCSBC-01
	5.0-10.0	11.5	20	20	22.0	31.5	AIO-BNCSBC-01S
NPT 1/2"	5.0-9.0	13.0	22	22	24.5	27.5	AIO-BNCSBD-02
	6.0-12.0	13.0	22	22	24.5	27.5	AIO-BNCSBC-02
	7.0-12.0	13.0	24	24	26.8	30.0	AIO-BNCSBD-02S
	10.0-14.0	13.0	24	24	26.8	30.0	AIO-BNCSBC-02S
NPT 3/4"	9.0-16.0	13.0	30	30	33.0	38.0	AIO-BNCSBD-03
	13.0-18.0	13.0	30	30	33.0	38.0	AIO-BNCSBC-03
NPT 1"	12.0-20.0	13.0	40	43	48.5	45.5	AIO-BNCSBD-04
	18.0-25.0	13.0	40	43	48.5	45.5	AIO-BNCSBC-04
NPT 1 1/4"	22.0-32.0	25.6	50	50	55.5	50.0	AIO-BNCSBC-05
NPT 1 1/2"	30.0-38.0	26.0	58	58	64.0	51.0	AIO-BNCSBC-06
NPT 2"	34.0-44.0	27.0	64	64	70.0	55.0	AIO-BNCSBC-07

STANDARD CABLE GLANDS WITH THREAD, BRASS

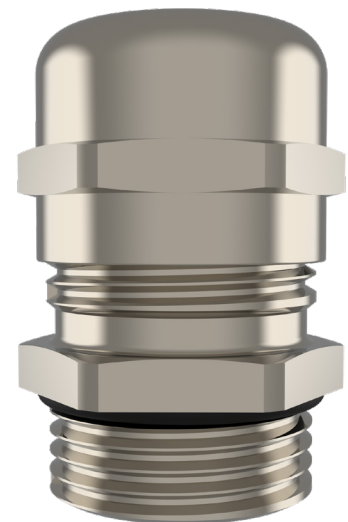
Thread Type PG Acc. to DIN 40430							
Outer Thread Size (Male)	Clamp Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
PG 7	2.0-5.0	6.0	14	14	15.5	24.0	AIO-BSCSBD-01
	2.0-5.0	10.0	14	14	15.5	24.0	AIO-BSCSBE-01R
	3.0-6.5	6.0	14	14	15.5	24.0	AIO-BSCSBC-01
	3.0-6.5	10.0	14	14	15.5	24.0	AIO-BSCSBE-01
PG 9	2.0-6.0	6.0	17	17	18.9	25.5	AIO-BSCSBD-02
	2.0-6.0	10.0	17	17	18.9	25.5	AIO-BSCSBE-02R
	4.0-8.0	6.0	17	17	18.9	25.5	AIO-BSCSBC-02
	4.0-8.0	10.0	17	17	18.9	25.5	AIO-BSCSBE-02
PG 11	3.0-7.0	6.0	20	20	22.0	28.0	AIO-BSCSBD-03
	3.0-7.0	10.0	20	20	22.0	28.0	AIO-BSCSBE-03R
	5.0-10.0	6.0	20	20	22.0	28.0	AIO-BSCSBC-03
	5.0-10.0	10.0	20	20	22.0	28.0	AIO-BSCSBE-03
PG 13.5	5.0-9.0	6.5	22	22	24.5	26.5	AIO-BSCSBD-04
	5.0-9.0	10.0	22	22	24.5	26.5	AIO-BSCSBE-04R
	6.0-12.0	6.5	22	22	24.5	26.5	AIO-BSCSBC-04
	6.0-12.0	10.0	22	22	24.5	26.5	AIO-BSCSBE-04
PG 16	7.0-12.0	6.5	24	24	26.5	30.0	AIO-BSCSBD-05
	7.0-12.0	10.0	24	24	26.5	30.0	AIO-BSCSBE-05R
	10.0-14.0	6.5	24	24	26.5	30.0	AIO-BSCSBC-05
	10.0-14.0	10.0	24	24	26.5	30.0	AIO-BSCSBE-05
PG 21	9.0-16.0	7.2	30	30	33.0	35.0	AIO-BSCSBD-06
	9.0-16.0	12.0	30	30	33.0	35.0	AIO-BSCSBE-06R
	13.0-18.0	7.2	30	30	33.0	35.0	AIO-BSCSBC-06
	13.0-18.0	12.0	30	30	33.0	35.0	AIO-BSCSBE-06
PG 29	12.0-20.0	8.0	40	40	44.5	40.5	AIO-BSCSBD-07
	12.0-20.0	12.0	40	40	44.5	40.5	AIO-BSCSBE-07R
	18.0-25.0	8.0	40	40	44.5	40.5	AIO-BSCSBC-07
	18.0-25.0	12.0	40	40	44.5	40.5	AIO-BSCSBE-07
PG 36	20.0-26.0	9.0	50	50	55.5	50.0	AIO-BSCSBD-08
	20.0-26.0	14.0	50	50	55.5	50.0	AIO-BSCSBE-08R
	22.0-32.0	9.0	50	50	55.5	50.0	AIO-BSCSBC-08
	22.0-32.0	14.0	50	50	55.5	50.0	AIO-BSCSBE-08
PG 42	25.0-31.0	12.0	58	58	64.0	51.0	AIO-BSCSBD-09
	25.0-31.0	16.0	58	58	64.0	51.0	AIO-BSCSBE-09R
	30.0-38.0	12.0	58	58	64.0	51.0	AIO-BSCSBC-09
	30.0-38.0	16.0	58	58	64.0	51.0	AIO-BSCSBE-09
PG 48	29.0-35.0	14.0	64	64	70.0	54.5	AIO-BSCSBD-10
	29.0-35.0	18.0	64	64	70.0	54.5	AIO-BSCSBE-10R
	34.0-44.0	14.0	64	64	70.0	54.5	AIO-BSCSBC-10
	34.0-44.0	18.0	64	64	70.0	54.5	AIO-BSCSBE-10

STANDARD CABLE GLANDS WITH THREAD, BRASS

Brass Cable Glands with Lamellar Clamping

- For standard industrial applications in harsh environments.
- Easy assembly.
- High quality strain relief and sealing reliable performance for standard industrial applications.
- Up-to-date international approvals.

Technical Details		
Material	Body, Cap	Brass Nickel plated
	Seal	CR (Chloroprene)
	Clamping Insert	PA 6 (Polyamide 6)
	O-Ring	NBR
Ingress Protection Rating	IP 68-5 Bar, 30 min IP 66	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-40 °C to +150 °C
Thread Type	• Metric EN 60423 • NPT ANSI B1.20.1 • PG DIN 40430 • Other thread types also available upon request.	
Cable Type	Non-armored	
Accessories	• Lock nuts • Dome plugs • Reducing seals • Flat cable seals • Multihole seals • Gaskets (Washers)	
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. • O-ring available in Metric and PG threads as a standard. For NPT thread, O-ring available upon request. • Accessories must be ordered separately.	
Approvals	Certificate Number	Standards
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
	TYPE 4X	UL50E

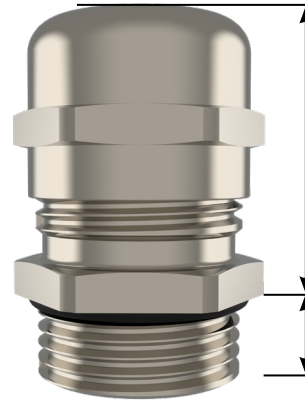


Order Coding

Part Number	-	Gasket (Washer)	Lock Nut	Sealing Plug
Mandatory	-	Option	Option	Option
See table	-	WC-Chloroprene WS-Silicone	L-Lock Nut	P-Dome Plug T-Dust Plug
Example				
AIO-BMCSBE-E4	-	WC	L	P

STANDARD CABLE GLANDS WITH THREAD, BRASS

Thread Type Metric Acc. to EN 60423							
Outer Thread Size (Male)	Clamp Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M12x1.5	2.0-5.0	6.0	14	14	15.5	24.0	AIO-BMCSBD-0S
	2.0-5.0	12.0	14	14	15.5	24.0	AIO-BMCSBE-0SR
	3.0-6.5	6.0	14	14	15.5	24.0	AIO-BMCSBC-0S
	3.0-6.5	12.0	14	14	15.5	24.0	AIO-BMCSBE-0S
M16x1.5	2.0-6.0	7.0	17	18	20.0	25.5	AIO-BMCSBD-01
	2.0-6.0	12.0	17	18	20.0	25.5	AIO-BMCSBE-01R
	3.0-7.0	7.0	20	20	22.0	30.5	AIO-BMCSBD-E1
	3.0-7.0	12.0	20	20	22.0	30.5	AIO-BMCSBE-E1R
	4.0-8.0	7.0	17	18	20.0	25.5	AIO-BMCSBC-01
	4.0-8.0	12.0	17	18	20.0	25.5	AIO-BMCSBE-01
	5.0-10.0	6.5	20	20	22.0	31.5	AIO-BMCSBC-01S
	5.0-10.0	7.0	20	20	22.0	30.5	AIO-BMCSBC-E1
M20x1.5	5.0-9.0	8.0	22	22	24.5	28.0	AIO-BMCSBD-E2
	5.0-9.0	12.0	22	22	24.5	28.0	AIO-BMCSBE-E2R
	6.0-12.0	8.0	22	22	24.5	26.5	AIO-BMCSBC-02
	6.0-12.0	12.0	22	22	24.5	26.5	AIO-BMCSBE-02
	7.0-13.0	8.0	24	24	26.5	30.5	AIO-BMCSBC-E2S
	10.0-14.0	8.0	24	24	26.5	30.0	AIO-BMCSBC-02S
	10.0-14.0	12.0	24	24	26.5	30.0	AIO-BMCSBE-02S
M25x1.5	7.0-12.0	8.0	24	27	30.0	30.0	AIO-BMCSBD-03
	7.0-12.0	12.0	24	27	30.0	30.0	AIO-BMCSBE-03R
	9.0-16.0	8.0	30	30	33.0	35.0	AIO-BMCSBD-03S
	9.0-16.0	12.0	30	30	33.0	35.0	AIO-BMCSBE-03SR
	10.0-14.0	8.0	24	27	30.0	30.0	AIO-BMCSBC-03
	10.0-14.0	12.0	24	27	30.0	30.0	AIO-BMCSBE-03
	11.0-17.0	8.0	27	27	30.0	32.5	AIO-BMCSBC-E3
	11.0-17.0	12.0	27	27	30.0	32.5	AIO-BMCSBE-E3
M32x1.5	13.0-18.0	8.0	30	30	33.0	35.0	AIO-BMCSBC-03S
	13.0-18.0	12.0	30	30	33.0	35.0	AIO-BMCSBE-03S
	9.0-16.0	9.0	30	34	37.5	35.0	AIO-BMCSBD-04
	9.0-16.0	15.0	30	34	37.5	35.0	AIO-BMCSBE-04R
	12.0-20.0	9.0	40	40	44.5	46.0	AIO-BMCSBD-04S
	12.0-20.0	15.0	40	40	44.5	46.0	AIO-BMCSBE-04SR
	13.0-18.0	9.0	30	34	37.5	35.0	AIO-BMCSBC-04
	13.0-18.0	15.0	30	34	37.5	35.0	AIO-BMCSBE-04
M32x1.5	15.0-21.0	8.0	34	34	37.5	38.0	AIO-BMCSBC-E4
	15.0-21.0	15.0	34	34	37.5	38.0	AIO-BMCSBE-E4
	18.0-25.0	9.0	40	40	44.5	46.0	AIO-BMCSBC-04S
	18.0-25.0	15.0	40	40	44.5	46.0	AIO-BMCSBE-04S



Thread Type Metric Acc. to EN 60423							
Outer Thread Size (Male)	Clamp Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M40x1.5	12.0-20.0	9.0	40	43	48.5	40.5	AIO-BMCSBD-05
	12.0-20.0	15.0	40	43	48.5	40.5	AIO-BMCSBE-05R
	18.0-25.0	9.0	40	43	48.5	40.5	AIO-BMCSBC-05
	18.0-25.0	15.0	40	43	48.5	40.5	AIO-BMCSBE-05
	16.0-23.0	9.0	43	43	48.5	45.5	AIO-BMCSBD-E5
	16.0-23.0	15.0	43	43	48.5	45.5	AIO-BMCSBE-E5R
	19.0-28.0	9.0	43	43	48.5	45.5	AIO-BMCSBC-E5
	19.0-28.0	15.0	43	43	48.5	45.5	AIO-BMCSBE-E5
	22.0-32.0	9.0	50	50	55.5	54.5	AIO-BMCSBC-05S
	22.0-32.0	15.0	50	50	55.5	54.5	AIO-BMCSBE-05S
M50x1.5	20.0-26.0	9.0	50	55	61.0	50.0	AIO-BMCSBD-06
	20.0-26.0	15.0	50	55	61.0	50.0	AIO-BMCSBE-06R
	22.0-32.0	9.0	50	55	61.0	50.0	AIO-BMCSBC-06
	22.0-32.0	15.0	50	55	61.0	50.0	AIO-BMCSBE-06
	27.0-38.0	9.0	58	58	64.0	54.0	AIO-BMCSBC-E6
	27.0-38.0	15.0	58	58	64.0	54.0	AIO-BMCSBE-E6
	34.0-44.0	9.0	64	64	70.0	55.0	AIO-BMCSBC-06S
	34.0-44.0	15.0	64	64	70.0	55.0	AIO-BMCSBE-06S
M63x1.5	29.0-35.0	10.0	64	68	75.0	56.0	AIO-BMCSBD-E7
	29.0-35.0	14.0	64	68	75.0	55.0	AIO-BMCSBD-07
	29.0-35.0	18.0	64	68	75.0	55.0	AIO-BMCSBE-07R
	34.0-44.0	10.0	64	68	75.0	55.0	AIO-BMCSBC-E7
	34.0-44.0	15.0	64	68	75.0	56.0	AIO-BMCSBE-E7
	34.0-44.0	14.0	64	68	75.0	55.0	AIO-BMCSBC-07
	34.0-44.0	18.0	64	68	75.0	55.0	AIO-BMCSBE-07
	37.0-53.0	10.0	75	75	83.0	53.0	AIO-BMCSBC-07S
	37.0-53.0	18.0	75	75	83.0	53.0	AIO-BMCSBE-07S

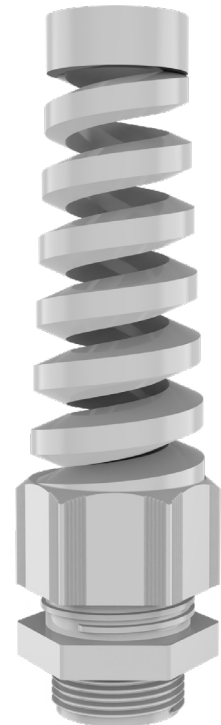
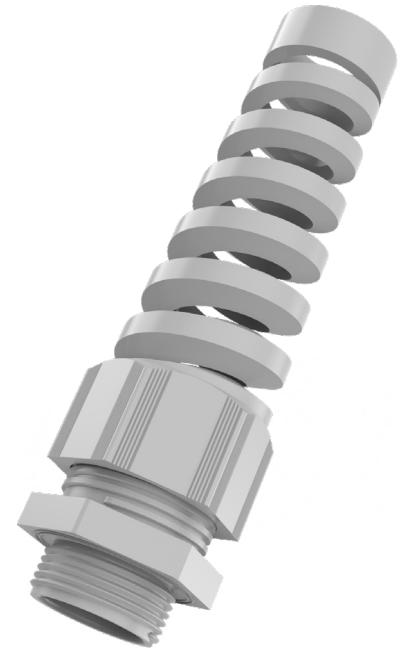
CABLE PROTECTION GLANDS, POLYAMIDE

Cable Protection Glands with Lamellar Clamping

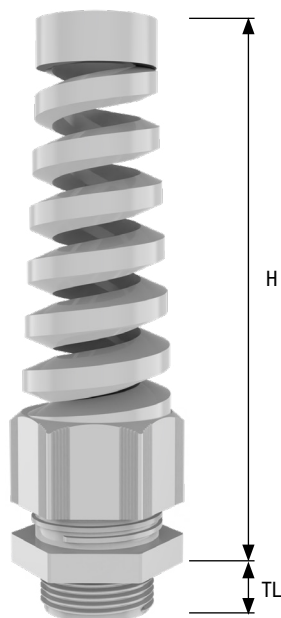
- For cable bending protection.
- Easy assembly.
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Up-to-date international approvals.

Technical Details

Material	Body, Cap	PA 6 (Polyamide 6)
	Seal	CR (Chloroprene)
Ingress Protection Rating	IP 68-5 Bar, 30 min	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20° C to +100° C	-40° C to +150° C
Thread Type	• Metric EN 60423 • PG DIN 40430 • NPT ANSI B1.20.1 • Gas ISO 228 • Other thread types also available upon request.	
Cable Type	Non-armored	
Accessories	• Lock nuts • Reducing seals • Flat cable seals • Multihole seals • Gaskets (Washers)	
Remarks	• Different Seal types available. Manufactured according to DIN EN 62444/50262. • All accessories must be ordered separately. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. Other colors on request: • RAL 5015 (blue) • RAL 9003 (white) • RAL 3020 (red)	
Approvals	Certificate Number	Standards
 TYPE 4X	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
		UL50E



CABLE PROTECTION GLANDS, POLYAMIDE



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number		
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M12x1.5	2.0-5.0	8.0	15	15	16.6	58.0	AIO-BICSSP-1S	AIO-BICSSP-0S	AIO-BICSSP-2S
	2.0-5.0	10.0	15	15	16.6	58.0	AIO-BICSSP-1SM	AIO-BICSSP-0SM	AIO-BICSSP-2SM
	2.0-5.0	15.0	15	15	16.6	58.0	AIO-BICSSP-1SL	AIO-BICSSP-0SL	AIO-BICSSP-2SL
	3.0-6.5	8.0	15	15	16.6	58.0	AIO-BMCSSP-1S	AIO-BMCSSP-0S	AIO-BMCSSP-2S
	3.0-6.5	10.0	15	15	16.6	58.0	AIO-BMCSSP-1SM	AIO-BMCSSP-0SM	AIO-BMCSSP-2SM
	3.0-6.5	15.0	15	15	16.6	58.0	AIO-BMCSSP-1SL	AIO-BMCSSP-0SL	AIO-BMCSSP-2SL
M16x1.5	3.0-7.0	10.0	22	22	25.1	83.2	AIO-BICSSP-11	AIO-BICSSP-01	AIO-BICSSP-21
	3.0-7.0	15.0	22	22	25.1	83.2	AIO-BICSSP-11L	AIO-BICSSP-01L	AIO-BICSSP-21L
	5.0-10.0	10.0	22	22	25.1	83.2	AIO-BMCSSP-11	AIO-BMCSSP-01	AIO-BMCSSP-21
	5.0-10.0	15.0	22	22	25.1	83.2	AIO-BMCSSP-11L	AIO-BMCSSP-01L	AIO-BMCSSP-21L
M20x1.5	5.0-9.0	10.0	24	24	27.6	96.5	AIO-BICSSP-12	AIO-BICSSP-02	AIO-BICSSP-22
	5.0-9.0	15.0	24	24	27.6	96.5	AIO-BICSSP-12L	AIO-BICSSP-02L	AIO-BICSSP-22L
	6.0-12.0	10.0	24	24	27.6	96.5	AIO-BMCSSP-12	AIO-BMCSSP-02	AIO-BMCSSP-22
	6.0-12.0	15.0	24	24	27.6	96.5	AIO-BMCSSP-12L	AIO-BMCSSP-02L	AIO-BMCSSP-22L
	7.0-12.0	10.0	27	27	30.5	106.4	AIO-BICSSP-13	AIO-BICSSP-03	AIO-BICSSP-23
	7.0-12.0	15.0	27	27	30.5	106.4	AIO-BICSSP-14	AIO-BICSSP-04	AIO-BICSSP-24
	10.0-14.0	10.0	27	27	30.5	106.4	AIO-BMCSSP-13	AIO-BMCSSP-03	AIO-BMCSSP-23
	10.0-14.0	15.0	27	27	30.5	106.4	AIO-BMCSSP-14	AIO-BMCSSP-04	AIO-BMCSSP-24
M25x1.5	9.0-16.0	10.0	33	33	37.8	118.9	AIO-BICSSP-15	AIO-BICSSP-05	AIO-BICSSP-25
	9.0-16.0	15.0	33	33	37.8	118.9	AIO-BICSSP-16	AIO-BICSSP-06	AIO-BICSSP-26
	13.0-18.0	10.0	33	33	37.8	118.9	AIO-BMCSSP-15	AIO-BMCSSP-05	AIO-BMCSSP-25
	13.0-18.0	15.0	33	33	37.8	118.9	AIO-BMCSSP-16	AIO-BMCSSP-06	AIO-BMCSSP-26

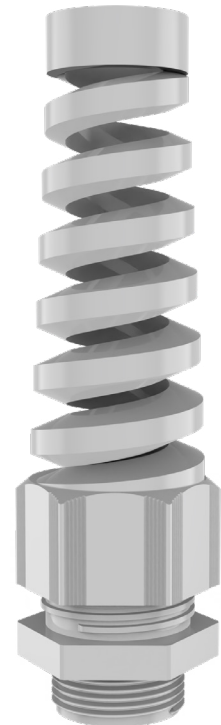
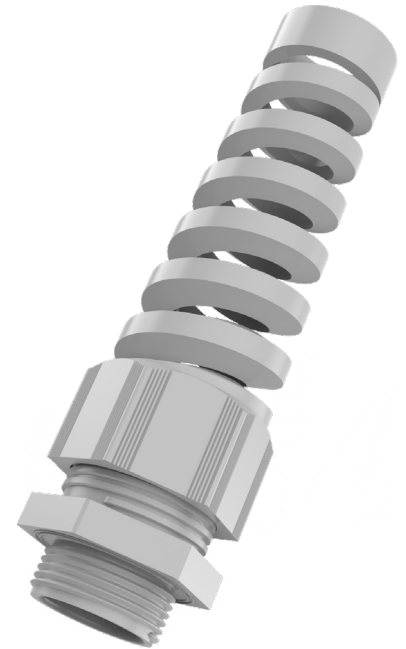
CABLE PROTECTION GLANDS, POLYAMIDE

Cable Protection Glands with Lamellar Clamping

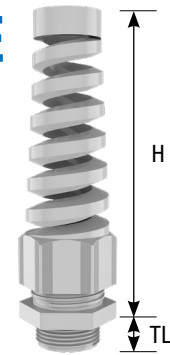
- For cable bending protection.
- Easy assembly.
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Up-to-date international approvals.

Technical Details

Material	Body, Cap	PA 6 (Polyamide 6)
	Seal	CR (Chloroprene)
Ingress Protection Rating	IP 68-5 Bar, 30 min IP 66	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-30 °C to +150 °C
Thread Type	• Metric EN 60423 • PG DIN 40430 • NPT ANSI B1.20.1 • Gas ISO 228 • Other thread types also available upon request.	
Cable Type	Non-armored	
Accessories	• Lock nuts • Reducing seals • Flat cable seals • Multihole seals • Gaskets (Washers)	
Remarks	• Different Seal types available. • Manufactured according to DIN EN 62444/50262. • Accessories must be ordered separately. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. Other colors on request: • RAL 5015 (blue) • RAL 9003 (white) • RAL 3020 (red)	
Approvals	Certificate Number	Standards
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
	TYPE 4X	UL50E



CABLE PROTECTION GLANDS, POLYAMIDE



Thread Type NPT Acc. to ANSI B1.20.1

Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number		
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
NPT 3/8"	3.0-7.0	15.0	22	22	25.1	83.2	AIO-BNCSSPA-11R	AIO-BNCSSPA-01R	AIO-BNCSSPA-21R
	5.0-10.0	15.0	22	22	25.1	83.2	AIO-BNCSSPA-11	AIO-BNCSSPA-01	AIO-BNCSSPA-21
NPT 1/2"	5.0-9.0	15.0	24	24	27.6	96.5	AIO-BNCSSPB-12R	AIO-BNCSSPB-02R	AIO-BNCSSPB-22R
	6.0-12.0	15.0	24	24	27.6	96.5	AIO-BNCSSPB-12	AIO-BNCSSPB-02	AIO-BNCSSPB-22
	7.0-12.0	15.0	27	27	30.5	106.4	AIO-BNCSSPC-12R	AIO-BNCSSPC-02R	AIO-BNCSSPC-22R
	10.0-14.0	15.0	27	27	30.5	106.4	AIO-BNCSSPC-12	AIO-BNCSSPC-02	AIO-BNCSSPC-22
NPT 3/4"	9.0-16.0	15.0	33	33	37.8	118.9	AIO-BNCSSPD-13R	AIO-BNCSSPD-03R	AIO-BNCSSPD-23R
	13.0-18.0	15.0	33	33	37.8	118.9	AIO-BNCSSPD-13	AIO-BNCSSPD-03	AIO-BNCSSPD-23

Thread Type PG Acc. to DIN 40430

Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number		
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
PG 7	2.0-5.0	8.0	15	15	16.6	58.0	AIO-BSCSRP-11	AIO-BSCSRP-01	AIO-BSCSRP-21
	3.0-6.5	8.0	15	15	16.6	58.0	AIO-BSCSSP-11	AIO-BSCSSP-01	AIO-BSCSSP-21
PG 9	2.0-6.0	8.0	19	19	21.5	68.4	AIO-BSCSRP-12	AIO-BSCSRP-02	AIO-BSCSRP-22
	4.0-8.0	8.0	19	19	21.5	68.4	AIO-BSCSSP-12	AIO-BSCSSP-02	AIO-BSCSSP-22
PG 11	3.0-7.0	8.0	22	22	25.1	83.2	AIO-BSCSRP-13	AIO-BSCSRP-03	AIO-BSCSRP-23
	5.0-10.0	8.0	22	22	25.1	83.2	AIO-BSCSSP-13	AIO-BSCSSP-03	AIO-BSCSSP-23
PG 13.5	5.0-9.0	10.0	24	24	27.6	96.5	AIO-BSCSRP-14	AIO-BSCSRP-04	AIO-BSCSRP-24
	6.0-12.0	10.0	24	24	27.6	96.5	AIO-BSCSSP-14	AIO-BSCSSP-04	AIO-BSCSSP-24
PG 16	7.0-12.0	10.0	27	27	30.5	106.4	AIO-BSCSRP-15	AIO-BSCSRP-05	AIO-BSCSRP-25
	10.0-14.0	10.0	27	27	30.5	106.4	AIO-BSCSSP-15	AIO-BSCSSP-05	AIO-BSCSSP-25
PG 21	9.0-16.0	11.0	33	33	37.8	118.9	AIO-BSCSRP-16	AIO-BSCSRP-06	AIO-BSCSRP-26
	13.0-18.0	11.0	33	33	37.8	118.9	AIO-BSCSSP-16	AIO-BSCSSP-06	AIO-BSCSSP-26

CABLE PROTECTION GLANDS, BRASS

Cable Protection Glands with Lamellar Clamping, Brass

- For cable bending protection.
- Easy assembly.
- High quality strain relief and sealing, reliable performance for standard industrial applications.



Technical Details		
Material	Body, Cap	Brass, Nickel plated
	Seal	CR (Chloroprene)
	Clamping Insert	PA 6 (Polyamide 6)
	Bending Spiral	Stainless steel (AISI 301)
	O-ring	NBR
Ingress Protection Rating	IP 68-5 Bar, 30 min	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-30 °C to +150 °C
Thread Type	• Metric EN 60423 • PG DIN 40430 • Other thread types also available upon request.	
Cable Type	Non-armored	
Accessories	• Lock nuts • Reducing seals • Flat cable seals	• Multihole seals • Gaskets (Washers)
	• Different Seal types available. • Manufactured according to DIN EN 62444/50262. • Accessories must be ordered separately. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • O-ring available in Metric and PG threads. • Accessories must be ordered separately.	

Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M12x1.5	3.0-6.5	6.0	14	14	15.5	60.0	AIO-BMCSBCSP-0S
M16x1.5	3.0-7.0	6.5	20	20	22.0	77.0	AIO-BMCSBDSP-01
	5.0-10.0	6.5	20	20	22.0	77.0	AIO-BMCSBCSP-01
M20x1.5	5.0-9.0	8.0	22	22	24.5	87.0	AIO-BMCSBDSP-02
	6.0-12.0	8.0	22	22	24.5	87.0	AIO-BMCSBCSP-02
	10.0-14.0	8.0	24	24	26.5	91.5	AIO-BMCSBCSP-02S
M25x1.5	7.0-12.0	8.0	24	27	30.0	91.5	AIO-BMCSBDSP-03
	10.0-14.0	8.0	24	27	30.0	91.5	AIO-BMCSBCSP-03
M32x1.5	9.0-16.0	9.0	30	34	37.5	96.0	AIO-BMCSBDSP-04
	13.0-18.0	9.0	30	34	37.5	96.0	AIO-BMCSBCSP-04

Thread Type PG Acc. to DIN 40430

Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
PG 11	3.0-7.0	6.0	20	20	22.0	73.5	AIO-BSCSBDSP-03
	5.0-10.0	6.0	20	20	22.0	73.5	AIO-BSCSBCSP-03
PG 13.5	5.0-9.0	6.5	22	22	24.5	86.0	AIO-BSCSBDSP-04
	6.0-12.0	6.5	22	22	24.5	86.0	AIO-BSCSBCSP-04
PG 16	7.0-12.0	6.5	24	24	26.5	91.5	AIO-BSCSBDSP-05
	10.0-14.0	6.5	24	24	26.5	91.5	AIO-BSCSBCSP-05
PG 21	9.0-16.0	7.2	30	30	33.0	96.5	AIO-BSCSBDSP-06
	13.0-18.0	7.2	30	30	33.0	96.5	AIO-BSCSBCSP-06

SNAP-IN GLANDS WITHOUT THREAD, POLYAMIDE

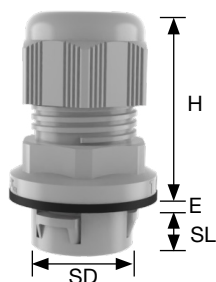
Polyamide Cable Glands, without Thread

- Easy assembly: push cable gland and turn body clockwise.
- For wall thickness 0.5 mm to 4.0 mm.
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Easy disassembly (with separate tool).

Technical Details		
Material	Body, Cap	PA 6 (Polyamide 6)
	Gasket	CR (Chloroprene)
	Seal	CR (Chloroprene)
Ingress Protection Rating	IP 68-5 Bar, 30 min IP 66	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-30 °C to +150 °C
Cable Type	Non-armored	
Accessories	• Dome plugs • Reducing seals • Flat cable seals • Multihole seals • Disassembly tools (one piece included per Minimum Order Quantity)	
Remarks	• Different Seal types available. • Manufactured according to DIN EN 62444/50262. • Accessories must be ordered separately. • Some approvals do not cover all sizes. • Other colors on request: • RAL 5015 (blue) • RAL 9003 (white) • RAL 3020 (red)	
Approvals	Certificate Number	Standards
 TYPE 4X	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
		UL50E



SNAP-IN GLANDS WITHOUT THREAD, POLYAMIDE



Wall Thickness (E) : 0.5-4.0 mm

Snap Size	Clamp Range		Snap		Wall Hole Ø	Spanner Width		Outer Ø	Max. Height	Part Number		
			Length	Ø						RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
	Ø min-max (mm)	Seal Type	SL (mm)	SD (mm)	HD (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)			
16	3.0-10.0	Double	9.0	15.9	16.2-16.4	22	22	26.5	44.5	AIO-BMCSOS-DS-11	AIO-BMCSOS-DS-01	AIO-BMCSOS-DS-21
	5.0-10.0	Single	9.0	15.9	16.2-16.4	22	22	26.5	44.5	AIO-BMCSOS-11	AIO-BMCSOS-01	AIO-BMCSOS-21
20	5.0-12.0	Double	9.0	19.1	20.2-20.4	24	24	30.3	43.5	AIO-BMCSOS-DS-12	AIO-BMCSOS-DS-02	AIO-BMCSOS-DS-22
	3.0-13.0	Double	9.0	19.1	20.2-20.4	25	25	30.3	43.5	AIO-BMCSOS-EU-DS-12	AIO-BMCSOS-EU-DS-02	AIO-BMCSOS-EU-DS-22
	6.0-12.0	Single	9.0	19.1	20.2-20.4	24	24	30.3	43.5	AIO-BMCSOS-12	AIO-BMCSOS-02	AIO-BMCSOS-22
	7.0-13.0	Single	9.0	19.1	20.2-20.4	25	25	30.3	43.5	AIO-BMCSOS-EU-12	AIO-BMCSOS-EU-02	AIO-BMCSOS-EU-22
25	8.0-17.0	Double	9.0	24.9	25.2-25.4	29	29	36.3	45.5	AIO-BMCSOS-EU-DS-13	AIO-BMCSOS-EU-DS-03	AIO-BMCSOS-EU-DS-23
	11.0-17.0	Single	9.0	24.9	25.2-25.4	29	29	36.3	45.5	AIO-BMCSOS-EU-13	AIO-BMCSOS-EU-03	AIO-BMCSOS-EU-23
32	11.0-21.0	Double	9.0	31.9	32.2-32.4	36	36	43.2	51.5	AIO-BMCSOS-EU-DS-14	AIO-BMCSOS-EU-DS-04	AIO-BMCSOS-EU-DS-24
	15.0-21.0	Single	9.0	31.9	32.2-32.4	36	36	43.2	51.5	AIO-BMCSOS-EU-14	AIO-BMCSOS-EU-04	AIO-BMCSOS-EU-24
40	16.0-28.0	Double	13.2	39.9	40.2-40.4	46	46	55.2	58.0	AIO-BMCSOS-EU-DS-15	AIO-BMCSOS-EU-DS-05	AIO-BMCSOS-EU-DS-25
	19.0-28.0	Single	13.2	39.9	40.2-40.4	46	46	55.2	58.0	AIO-BMCSOS-EU-15	AIO-BMCSOS-EU-05	AIO-BMCSOS-EU-25

Tool to Disassemble Snap-In Glands

Technical Details

Material Plastic

For Gland Size	Inner Ø	Height	Part Number
	ID (mm)	h (mm)	
16	16.0	13.0	AIO-BECSX-16
20	20.0	13.0	AIO-BECSX-20
25	25.0	13.0	AIO-BECSX-25
32	32.0	13.0	AIO-BECSX-32
40	40.0	15.5	AIO-BECSX-40

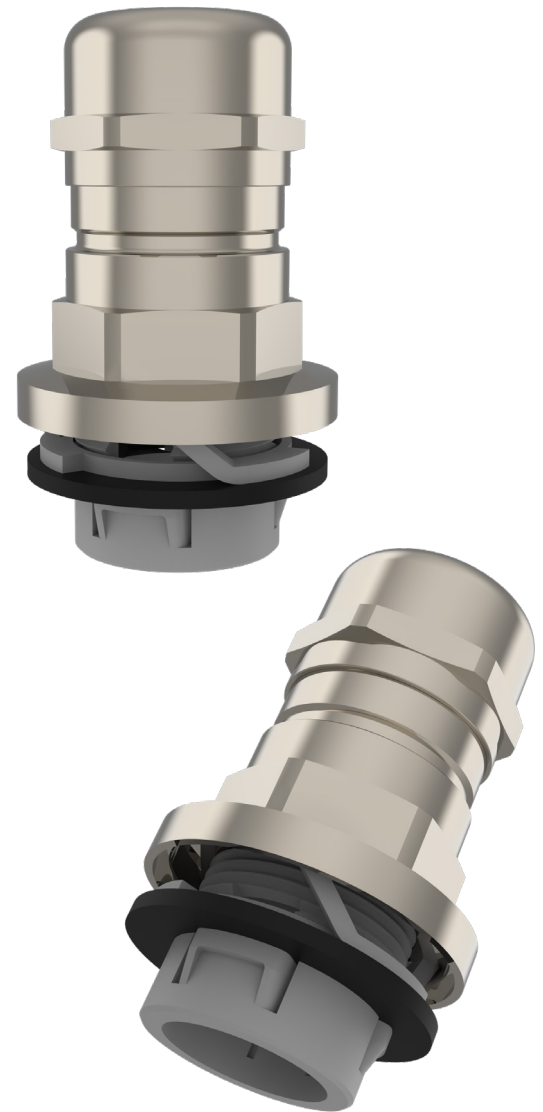
SNAP-IN CABLE GLANDS WITHOUT THREAD, BRASS

Brass Cable Glands without Thread

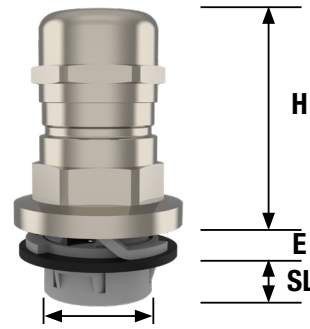
- Easy assembly: push cable gland and turn body clockwise.
- For wall thickness 0.5 mm to 4.0 mm.
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Easy disassembly (with separate tool).

Technical Details

Material	Body, Cap	Brass Nickel plated	
	Seal	CR (Chloroprene)	
	Gasket	CR (Chloroprene)	
	Clamping Insert	PA 6 (Polyamide 6)	
	Lower Body	PA 6 (Polyamide 6)	
Ingress Protection Rating	IP 68-5 Bar, 30 min IP 66		
Flammability	V2 according to UL94		
Operating Temperature	Permanent	Intermittent	
	-20 °C to +100 °C	-40 °C to +150 °C	
Cable Type	Shielded		
Accessories	• Dome plugs • Reducing seals • Flat cable seals • Multihole seals • Disassembly tools (one piece included per Minimum Order Quantity)		
Remarks	• Different Seal types available. • Manufactured according to DIN EN 62444/50262. • Accessories must be ordered separately.		



SNAP-IN CABLE GLANDS WITHOUT THREAD, BRASS



Snap Size	Clamping Range Ø	Seal Type	Snap Length	Snap Ø	Enclosure Hole Ø	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)		SL (mm)	SD (mm)	HD (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
16	3.0-7.0	Single	9.0	16	16.2-16.4	20	20	28.3	47.0	AIO-BBCSOS-11R
	5.0-10.0	Single	9.0	16	16.2-16.4	20	20	28.3	47.0	AIO-BBCSOS-11
	3.0-10.0	Double	9.0	16	16.2-16.4	20	20	28.3	47.0	AIO-BBCSOS-DS-11
20	5.0-9.0	Single	9.0	20	20.2-20.4	22	22	32.3	46.0	AIO-BBCSOS-12R
	6.0-12.0	Single	9.0	20	20.2-20.4	22	22	32.3	46.0	AIO-BBCSOS-12
	5.0-12.0	Double	9.0	20	20.2-20.4	22	22	32.3	46.0	AIO-BBCSOS-DS-12
25	9.0-13.0	Single	9.0	25	25.2-25.4	27	27	38.5	48.0	AIO-BBCSOS-EU-13R
	11.0-17.0	Single	9.0	25	25.2-25.4	27	27	38.5	48.0	AIO-BBCSOS-EU-13
	8.0-17.0	Double	9.0	25	25.2-25.4	27	27	38.5	48.0	AIO-BBCSOS-EU-DS-13
32	11.0-15.0	Single	9.0	32	32.2-32.4	34	34	45.5	56.5	AIO-BBCSOS-EU-14R
	15.0-21.0	Single	9.0	32	32.2-32.4	34	34	45.5	56.5	AIO-BBCSOS-EU-14
	11.0-21.0	Double	9.0	32	32.2-32.4	34	34	45.5	56.5	AIO-BBCSOS-EU-DS-14
40	16.0-23.0	Single	13.2	40	40.2-40.4	43	43	59.0	64.0	AIO-BBCSOS-EU-15R
	19.0-28.0	Single	13.2	40	40.2-40.4	43	43	59.0	64.0	AIO-BBCSOS-EU-15
	16.0-28.0	Double	13.2	40	40.2-40.4	43	43	59.0	64.0	AIO-BBCSOS-EU-DS-15

SNAP-IN GLAND DISASSEMBLING TOOL

Tool to Disassemble Snap-In Glands

Technical Details

Material PA 6 (Polyamide 6)

For Gland Size	Inner Ø	Height	Part Number
	ID (mm)	h (mm)	
16	16.0	13.0	AIO-BECSX-16
20	20.0	13.0	AIO-BECSX-20
25	25.0	13.0	AIO-BECSX-25
32	32.0	13.0	AIO-BECSX-32
40	40.0	15.5	AIO-BECSX-40

EMC 2 CABLE GLANDS, BRASS

EMC Cable Glands with Fixed Spring Contact

- Specially designed EMC protective cable glands.
- Long-lasting contact by high definition contact spring.
- Easy assembly: install cable gland-prepare cable sheath-insert cable-tighten cap.
- High quality strain relief and sealing reliable performance for EMC applications.

Technical Details		
Material	Body, Cap	Brass Nickel plated
	Seal	CR (Chloroprene)
	Clamping Insert	PA 6 (Polyamide 6)
	Contact Spring	Special Copper Alloy
	O-Ring	NBR
Ingress Protection Rating	IP 68-5 Bar, 30 min	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-40 °C to +150 °C
Thread Type	• Metric EN 60423 • PG DIN 40430 • NPT ANSI B1.20.1 • Other thread types also available upon request.	
Cable Type	Shielded	
Accessories	• EMC Lock nuts • Dome plugs • Gaskets (Washers)	
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use of threaded holes and/or the use of special EMC lock nuts to ensure high quality EMC contact quality. • Some approvals do not cover all sizes. • O-ring available in Metric and PG threads as a standard. For NPT threads, O-ring available upon request. • Accessories must be ordered separately. • Other lock nut types also available upon request.	
Approvals	Certification Number	Standards
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
TYPE 4X		UL50E

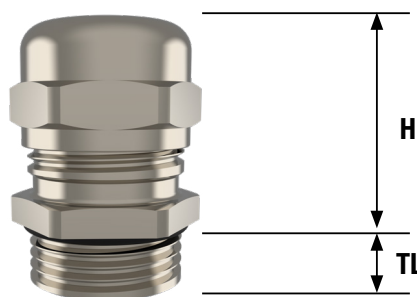
For more approvals: see our web page



EMC 2 CABLE GLANDS, BRASS

Thread Type Metric Acc. to EN 60423								
Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M12x1.5	3.0-6.5	2.5-4.5	6.0	14	14	15.5	24.0	AIO-BMCSEM-0S
	3.0-6.5	2.5-4.5	12.0	14	14	15.5	24.0	AIO-BMCSEN-0S
M16x1.5	4.0-8.0	3.5-6.0	7.0	17	18	20.0	25.5	AIO-BMCSEM-01
	4.0-8.0	3.5-6.0	12.0	17	18	20.0	25.5	AIO-BMCSEN-01
	5.0-10.0	4.0-8.0	6.5	20	20	22.0	31.5	AIO-BMCSEM-01S
M20x1.5	6.0-12.0	5.0-10.0	8.0	22	22	24.5	26.5	AIO-BMCSEM-02
	6.0-12.0	5.0-10.0	12.0	22	22	24.5	26.5	AIO-BMCSEN-02
M25x1.5	10.0-14.0	8.5-11.5	8.0	24	27	30.0	30.0	AIO-BMCSEM-03
	10.0-14.0	8.5-11.5	12.0	24	27	30.0	30.0	AIO-BMCSEN-03
	13.0-18.0	11.0-14.0	8.0	30	30	33.0	40.0	AIO-BMCSEM-03S
	13.0-18.0	11.0-14.0	9.0	30	34	37.5	35.0	AIO-BMCSEM-04
M32x1.5	13.0-18.0	11.0-14.0	15.0	30	34	37.5	35.0	AIO-BMCSEN-04
	18.0-25.0	16.0-20.0	9.0	40	40	44.5	46.0	AIO-BMCSEM-04S
M40x1.5	18.0-25.0	16.0-20.0	9.0	40	43	48.5	40.5	AIO-BMCSEM-05
	18.0-25.0	16.0-20.0	15.0	40	43	48.5	40.5	AIO-BMCSEN-05
	22.0-32.0	20.0-27.0	9.0	50	50	55.5	54.5	AIO-BMCSEM-05S
M50x1.5	22.0-32.0	20.0-27.0	9.0	50	55	61.0	50.0	AIO-BMCSEM-06
	22.0-32.0	31.0-40.0	15.0	50	55	61.0	50.0	AIO-BMCSEN-06
	34.0-44.0	31.0-40.0	14.0	64	68	75.0	55.0	AIO-BMCSEM-07
M63x1.5	34.0-44.0	31.0-40.0	18.0	64	68	75.0	55.0	AIO-BMCSEN-07

EMC 2 CABLE GLANDS, BRASS



Thread Type NPT Acc. to ANSI B1.20.1

Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
NPT 3/8"	5.0-10.0	4.0-8.0	11.5	20	20	22.0	31.5	AIO-BNCSEM-01
NPT 1/2"	6.0-12.0	5.0-10.0	13.0	22	22	24.5	27.5	AIO-BNCSEM-02
NPT 3/4"	13.0-18.0	11.0-14.0	13.0	30	30	33.0	38.0	AIO-BNCSEM-03
NPT 1"	18.0-25.0	16.0-20.0	13.0	40	43	48.5	45.5	AIO-BNCSEM-04

Thread Type PG Acc. to DIN 40430

Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
PG 7	3.0-6.5	2.5-4.5	6.0	14	14	15.5	24.0	AIO-BSCSEM-01
	3.0-6.5	2.5-4.5	10.0	14	14	15.5	24.0	AIO-BSCSEN-01
PG 9	4.0-8.0	3.5-6.0	6.0	17	17	18.9	25.5	AIO-BSCSEM-02
	4.0-8.0	3.5-6.0	10.0	17	17	18.9	25.5	AIO-BSCSEN-02
PG 11	5.0-10.0	4.0-8.0	6.0	20	20	22.0	28.0	AIO-BSCSEM-03
	5.0-10.0	4.0-8.0	10.0	20	20	22.0	28.0	AIO-BSCSEN-03
PG 13.5	6.0-12.0	5.0-10.0	6.5	22	22	24.5	26.5	AIO-BSCSEM-04
	6.0-12.0	5.0-10.0	10.0	22	22	24.5	26.5	AIO-BSCSEN-04
PG 16	10.0-14.0	8.5-11.5	6.5	24	24	26.5	30.0	AIO-BSCSEM-05
	10.0-14.0	8.5-11.5	10.0	24	24	26.5	30.0	AIO-BSCSEN-05
PG 21	13.0-18.0	11.0-14.0	7.2	30	30	33.0	35.0	AIO-BSCSEM-06
	13.0-18.0	11.0-14.0	12.0	30	30	33.0	35.0	AIO-BSCSEN-06
PG 29	18.0-25.0	16.0-20.0	8.0	40	40	44.5	40.5	AIO-BSCSEM-07
	18.0-25.0	16.0-20.0	12.0	40	40	44.5	40.5	AIO-BSCSEN-07
PG 36	22.0-32.0	20.0-27.0	9.0	50	50	55.5	50.0	AIO-BSCSEM-08
	22.0-32.0	20.0-27.0	14.0	50	50	55.5	50.0	AIO-BSCSEN-08
PG 42	30.0-38.0	28.0-34.0	12.0	58	58	64.0	51.0	AIO-BSCSEM-09
	30.0-38.0	28.0-34.0	16.0	58	58	64.0	51.0	AIO-BSCSEN-09
PG 48	34.0-44.0	31.0-40.0	14.0	64	64	70.0	55.0	AIO-BSCSEM-10
	34.0-44.0	31.0-40.0	18.0	64	64	70.0	55.0	AIO-BSCSEN-10

Order Coding

Part Number		Gasket (Washer)	EMC Lock Nut	Sealing Plug
Mandatory	-	Option	Option	Option
See table	-	WC CR (Chloroprene) WS Silicone	EL Lock Nut	P Dome Plug T Dust Plugs
Example				
AIO-BMCSEM-03	-	WC	EL	P

EMC 3 CABLE GLANDS, BRASS

EMC Cable Glands with Moving Spring Contact

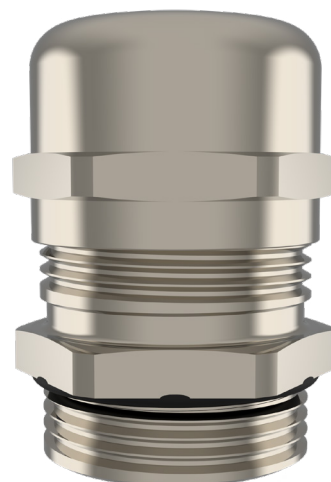
- Specially designed EMC protective cable glands.
- Long-lasting contact by high definition contact spring.
- Moving spring contact offers reduced risk of sheath damage.
- Easy assembly: install cable gland-prepare cable sheath-insert cable-tighten cap.
- High quality strain relief and sealing, reliable performance for EMC applications.
- Up-to-date international approvals.

Technical Details

Material	Body, Cap	Brass Nickel plated
	Seal	CR (Chloroprene)
	Clamping Insert	PA 6 (Polyamide 6)
	Contact Spring	Special Copper Alloy
	O-Ring	NBR
Ingress Protection Rating	IP 68-5 Bar, 30 min	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-40 °C to +150 °C
Thread Type	• Metric EN 60423 • Other thread types also available upon request.	
Cable Type	Shielded	
Accessories	• EMC Lock nuts • Dome plugs • Gaskets (Washers)	
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use lock nuts and gaskets • to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. • O-ring available in Metric and PG threads as a standard. For NPT threads, O-ring available upon request. • Accessories must be ordered separately. • Other lock nut types also available upon request.	
Approvals	Certification Number	Standards
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15
TYPE 4X		UL50E

For more approvals: see our web page

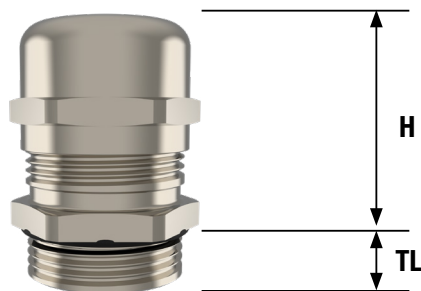
For more approvals: see our web page



Order Coding

Part Number		Gasket (Washer)	EMC Lock Nut	Sealing Plug
Mandatory	-	Option	Option	Option
See table	-	WC CR (Chloroprene) WS Silicone	EL Lock Nut	P Dome Plug T Dust Plugs
Example				
AIO-KBCSET2LM	-	WC	EL	P

EMC 3 CABLE GLANDS, BRASS



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M12x1.5	3.0-6.5	2.5-4.5	6.0	14	14	15.5	24.0	AIO-BMCSEM-ES
M16x1.5	5.0-10.0	4.0-8.0	7.0	20	20	22.0	32.0	AIO-BMCSEM-E1
M20x1.5	6.0-12.0	5.0-10.0	8.0	22	22	24.5	29.5	AIO-BMCSEM-E2
M25x1.5	11.0-17.0	9.5-15.0	8.0	27	27	30.0	33.5	AIO-BMCSEM-E3
M32x1.5	15.0-21.0	13.5-19.0	8.0	34	34	37.5	38.0	AIO-BMCSEM-E4
M40x1.5	19.0-28.0	17.0-25.0	9.0	43	43	48.5	48.0	AIO-BMCSEM-E5
M50x1.5	27.0-38.0	25.0-32.0	9.0	58	58	64.0	56.0	AIO-BMCSEM-E6
M63x1.5	34.0-44.0	31.0-41.0	14.0	64	68	75.0	59.5	AIO-BMCSEM-E7

EMC 4 CABLE GLANDS, BRASS

Brass Cable Gland for EMC

- Vibration proof EMC performance.
- Long-lasting contact by high definition contact spring.
- Moving spring contact offers reduced risk of sheath damage.
- Easy assembly and disassembly of cable. Spring closes and opens according to fastening of the cap.
- Easy movement of cable as long as not fastened.
- High quality strain relief and sealing, reliable performance for EMC applications.
- Up-to-date international approvals.

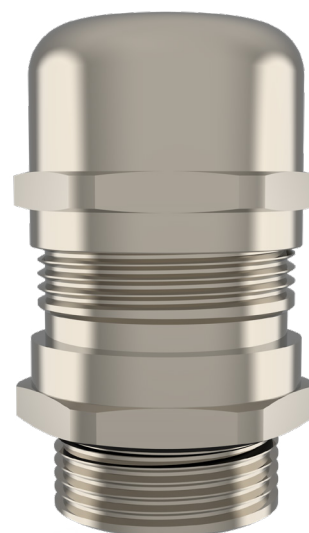
Technical Details

Material	Body, Cap	Brass Nickel plated	
	Seal	CR (Chloroprene)	
	Clamping Insert	PA 6 (Polyamide 6)	
	Contact Spring	Special Copper Alloy	
	O-Ring	NBR	
Ingress Protection Rating	IP 68-5 Bar, 30 min		
Flammability	V2 according to UL94		
Operating Temperature	Permanent	Intermittent	
	-20 °C to +100 °C	-40 °C to +150 °C	
Thread Type	• Metric EN 60423 • PG DIN 40430 • NPT ANSI B1.20.1 • Other thread types also available upon request.		
Cable Type	Shielded		
Accessories	• EMC Lock nuts • Dome plugs • Gaskets (Washers)		
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use of threaded holes and/or the use of special EMC lock nuts to ensure high quality EMC contact quality. • Some approvals do not cover all sizes. • O-ring available in Metric and PG threads as a standard. For NPT threads O-ring available upon request. • Accessories must be ordered separately. • Other lock nut types also available upon request.		
Approvals	Certification Number	Standards	
	E542803	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-15	
TYPE 4X		UL50E	

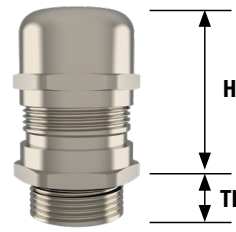
For more approvals: see our web page

Order Coding

Part Number		Gasket (Washer)	EMC Lock Nut	Sealing Plug
Mandatory	-	Option	Option	Option
See table	-	WC CR (Chloroprene) WS Silicone	EL Lock Nut	P Dome Plug T Dust Plugs
Example				
AIO-BMCSEM-E6(M50T)	-	WC	EL	P



EMC 4 CABLE GLANDS, BRASS



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M12x1.5	3.0-6.5	2.0-5.0	6.0	14	14	15.5	30.0	AIO-BMCSEM-ES(M12T)
M16x1.5	5.0-10.0	3.5-8.0	6.0	20	20	22.0	35.0	AIO-BMCSEM-E1(M16T)
M20x1.5	6.0-12.0	4.5-10.0	6.0	22	22	24.5	33.5	AIO-BMCSEM-E2S(M20T)
	7.5-14.0	5.5-11.5	8.0	24	24	26.8	41.5	AIO-BMCSEM-E2(M20T)
M25x1.5	10.0-18.0	7.0-14.0	8.0	30	30	33.0	44.5	AIO-BMCSEM-E3(M25T)
M32x1.5	16.0-25.0	12.0-20.0	9.0	40	40	44.5	55.0	AIO-BMCSEM-E4(M32T)
M40x1.5	22.0-32.0	18.0-27.0	9.0	50	50	55.5	62.5	AIO-BMCSEM-E5(M40T)
M50x1.5	30.0-38.0	26.0-34.0	9.0	58	58	64.0	74.0	AIO-BMCSEM-E6(M50T)
M63x1.5	34.0-44.0	30.0-40.0	14.0	64	68	75.0	60.0	AIO-BMCSEM-E7(M63T)
	37.0-53.0	33.0-49.0	10.0	75	75	83.0	75.0	AIO-BMCSEM-E7L(M63T)

Thread Type NPT Acc. to ANSI B1.20.1

Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
NPT 1/4"	3.0-6.5	2.0-5.0	11.5	14	15	16.5	30.0	AIO-BNCSEM-ES(NPT1/4"T)
NPT 3/8"	5.0-10.0	3.5-8.0	11.5	20	20	22.0	35.0	AIO-BNCSEM-E1(NPT3/8"T)
NPT 1/2"	6.0-12.0	4.5-10.0	15.0	22	22	24.5	39.5	AIO-BNCSEM-E2S(NPT1/2"T)
	7.5-14.0	5.5-11.5	15.0	24	24	26.8	41.5	AIO-BNCSEM-E2(NPT1/2"T)
NPT 3/4"	10.0-18.0	7.0-14.0	15.0	30	30	33.0	43.5	AIO-BNCSEM-E3(NPT3/4"T)
NPT 1"	16.0-25.0	12.0-20.0	20.0	40	40	44.5	54.0	AIO-BNCSEM-E4(NPT1"T)
NPT 1 1/4"	22.0-32.0	18.0-27.0	20.0	50	50	55.5	63.0	AIO-BNCSEM-E5(NPT1 1/4"T)
NPT 1 1/2"	30.0-38.0	26.0-34.0	22.0	58	58	64.0	73.0	AIO-BNCSEM-E6(NPT1 1/2"T)
NPT 2"	34.0-44.0	30.0-40.0	22.0	64	68	75.0	73.0	AIO-BNCSEM-E7(NPT2"T)

Thread Type PG Acc. to DIN 40430

Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
PG 7	3.0-6.5	2.0-5.0	6.0	14	15	16.5	30.0	AIO-BSCSEM-E1(PG7T)
PG 11	5.0-10.0	3.5-8.0	6.0	20	21	23.0	35.0	AIO-BSCSEM-E3(PG11T)
PG 13.5	6.0-12.0	4.5-10.0	6.5	22	22	24.5	33.5	AIO-BSCSEM-E4(PG13.5T)
PG 16	7.5-14.0	5.5-11.5	6.5	24	25	27.5	41.5	AIO-BSCSEM-E5(PG16T)
PG 21	10.0-18.0	7.0-14.0	7.0	30	32	35.5	44.5	AIO-BSCSEM-E6(PG21T)
PG 29	16.0-25.0	12.0-20.0	9.0	40	40	44.5	55.0	AIO-BSCSEM-E7(PG29T)
PG 36	22.0-32.0	18.0-27.0	9.0	50	50	55.5	62.0	AIO-BSCSEM-E8(PG36T)
PG 42	30.0-38.0	26.0-34.0	12.0	58	60	66.5	74.5	AIO-BSCSEM-E9(PG42T)
PG 48	34.0-44.0	30.0-40.0	14.0	64	68	75.0	60.5	AIO-BSCSEM-E10(PG48T)

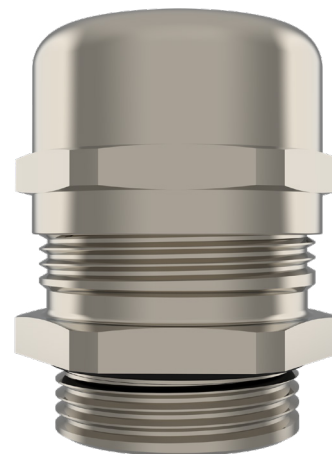
OCTANS CABLE GLANDS FOR RAILWAY APPLICATION, BRASS

Brass Railway Cable Glands with Lamellar Clamping

- For railway applications.
- Prevents damages according to pressure differences.
- Easy assembly.
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Up-to-date international approvals.

Technical Details

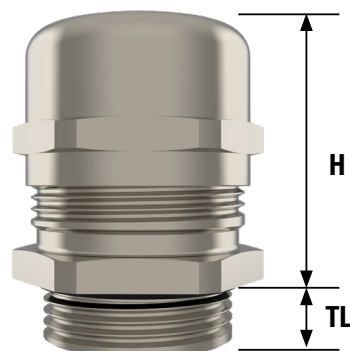
Material	Body, Cap:	Brass, Brass Nickel Plated
	Seal:	EPDM
	O-ring:	EPDM
Ingress Protection Rating		IP 68-5 Bar, 30 min IP 66
Flammability		R22 acc. to EN45545-2 R23 acc. to EN45545-2 HL2 acc. to EN45545-2 HL3 acc. to EN45545-2
Approvals		The sealing material of the products has CURRENTA Approval in conformity with EN 45545-3.
Operating Temperature		SEAL MATERIAL Permanent -50°C to +125°C
Thread Type		Metric (M) EN 60423 NPT (N) ANSI ASME B1.20.1
Accessories		Locknuts
Remarks		• We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes. • Accessories must be ordered separately.



Order Coding

Part Number	-	Lock Nut
Mandatory	-	Option
See table	-	L Lock nut
Example		
AIO-AIO-R-BCSCSU2MBNE	-	L

OCTANS CABLE GLANDS FOR RAILWAY APPLICATION, BRASS



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø	Clamping Range Seal Type	Outer Thread Length	Spanner Width		Outer Ø	Max. Height	Part Number
	min-max (mm)		TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M20x1.5	4.0-12.0	Triple	9.0	22	22	24.5	29.0	AIO-R-BCSU1MBNE
	10.0-16.0	Triple	9.0	28	28	31.0	32.0	AIO-R-BCSU12MBNE
M25x1.5	4.0-12.0	Triple	9.0	22	28	31.0	29.0	AIO-R-BCSU2SMBNE
	10.0-18.0	Triple	9.0	28	28	31.0	32.5	AIO-R-BCSU2MBNE
M32x1.5	10.0-18.0	Triple	9.0	28	35	39.0	32.5	AIO-R-BCSU3SMBNE
	14.0-24.0	Triple	9.0	35	35	39.0	35.0	AIO-R-BCSU3MBNE
	22.0-28.0	Triple	9.0	45	45	49.5	42.5	AIO-R-BCSU34MBNE
M40x1.5	14.0-24.0	Triple	9.0	35	45	49.5	35.0	AIO-R-BCSU4SMBNE
	22.0-32.0	Triple	9.0	45	45	49.5	42.5	AIO-R-BCSU4MBNE
M50x1.5	26.0-35.0	Triple	9.0	50	55	61.0	45.5	AIO-R-BCSU5MBNE
	35.0-44.0	Triple	9.0	64	64	70.0	45.0	AIO-R-BCSU56MBNE

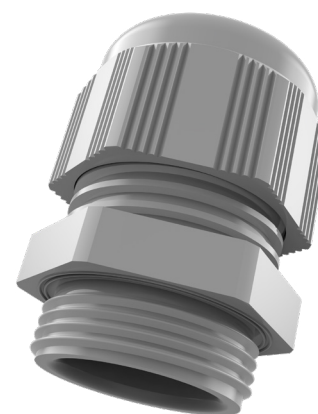
STANDARD CABLE GLANDS FOR RAILWAY APPLICATIONS, POLYAMIDE

Polyamide Cable Glands for Railway Application

- For standard industrial applications.
- Easy Assembly
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Up-to-date international approvals

Technical Details

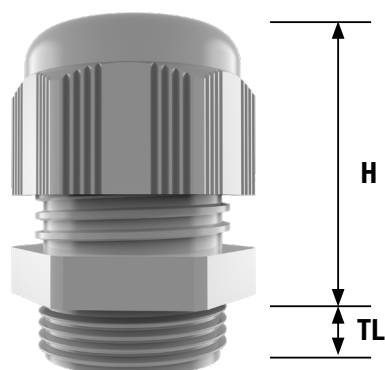
Material	Body, Cap: Seal:	PA 6 (Polyamide 6) (R22, HL3 and R23, HL3) EPDM (R22, HLC and R23, HL3)
Ingress Protection Rating		IP 68-5 Bar, 30 min IP 66
Flammability		• R22 acc. to EN45545-2 • R23 acc. to EN45545-2 • HL2 acc. to EN45545-2 • HL3 acc. to EN45545-2
Operating Temperature		EPDM -40°C to +100°C
Thread Type		• Metric EN 60423 • PG DIN 40430 • NPT ANSI B1.20.1 • GasISO 228 • Other thread types also available upon request
Cable Type		Non-armored
Accessories		• Locknuts • Dome plugs • Reducing seals • Flat cable seals • Multihole seals • Gaskets (Washers)
Remarks		• Manufactured according to DIN EN 62444/50262 • We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes • Some approvals do not cover all sizes • Accessories must be ordered separately • Other colors on request: RAL 5015 (blue), RAL 9003 (white) RAL 3020 (red)



Order Coding

Part Number	-	Gasket (Washer)	Sealing Plug	Lock Nut
Mandatory	-	Option	Option	Option
See table	-	WC Chloroprene WS Silicon	P Dome Plug	L Lock nut
Example				
AIO-R-BCSMEM-E2S (M20T)	-	WC	P	L

STANDARD CABLE GLANDS FOR RAILWAY APPLICATIONS, POLYAMIDE



Thread Type Metric Acc. to EN 60423									
Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)			
M12x1.5	3.0-6.5	8.0	15	15	17.0	25.3	AIO-R-BCSM-1S	AIO-R-BCSM-0S	AIO-R-BCSM-2S
M16x1.5	4.0-8.0	8.0	19	19	21.7	27.4	AIO-R-BCSM-EN-11	AIO-R-BCSM-EN-01	AIO-R-BCSM-EN-21
	4.0-8.0	10.0	19	19	21.7	27.4	AIO-R-BCSM-EN-11M	AIO-R-BCSM-EN-01M	AIO-R-BCSM-EN-21M
	5.0-10.0	10.0	22	22	25.0	32.2	AIO-R-BCSM-11	AIO-R-BCSM-01	AIO-R-BCSM-21
	5.0-10.0	15.0	22	22	25.0	32.2	AIO-R-BCSM-11L	AIO-R-BCSM-01L	AIO-R-BCSM-21L
M20x1.5	6.0-12.0	10.0	24	24	27.0	32.4	AIO-R-BCSM-12	AIO-R-BCSM-02	AIO-R-BCSM-22
	6.0-12.0	15.0	24	24	27.0	32.4	AIO-R-BCSM-12L	AIO-R-BCSM-02L	AIO-R-BCSM-22L
	10.0-14.0	10.0	27	27	30.9	31.9	AIO-R-BCSM-13	AIO-R-BCSM-03	AIO-R-BCSM-23
	10.0-14.0	15.0	27	27	30.9	31.9	AIO-R-BCSM-14	AIO-R-BCSM-04	AIO-R-BCSM-24
M25x1.5	13.0-18.0	10.0	33	33	37.2	38.4	AIO-R-BCSM-15	AIO-R-BCSM-05	AIO-R-BCSM-25
	13.0-18.0	15.0	33	33	37.2	38.4	AIO-R-BCSM-16	AIO-R-BCSM-06	AIO-R-BCSM-26
M32x1.5	18.0-25.0	15.0	42	42	47.1	43.3	AIO-R-BCSM-17	AIO-R-BCSM-07	AIO-R-BCSM-27
M40x1.5	22.0-32.0	18.0	53	53	59.6	52.4	AIO-R-BCSM-18	AIO-R-BCSM-08	AIO-R-BCSM-28

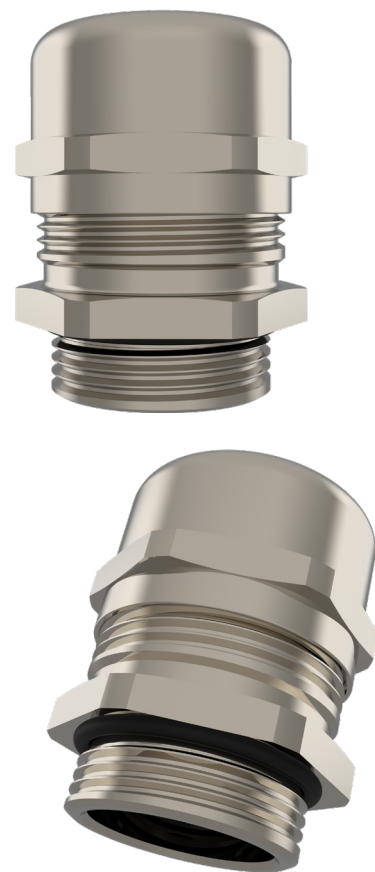
STANDARD CABLE GLANDS FOR RAILWAY APPLICATION, BRASS

Brass Railway Cable Glands with Lamellar Clamping

- For railway applications.
- Prevents damages according to pressure differences.
- Easy assembly.
- High quality strain relief and sealing, reliable performance for standard industrial applications.

Technical Details

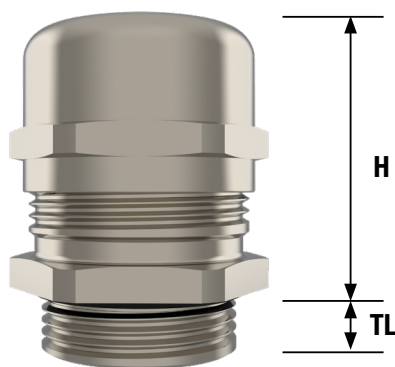
Material	Body, Cap	Brass, Brass Nickel Plated
	Seal	EPDM
	Clamping Insert	PA 6 (Polyamide 6)
	O-ring	EPDM
Ingress Protection Rating		IP 68-5 Bar, 30 min IP 66
Flammability		• R22 acc. to EN45545-2 • R23 acc. to EN45545-2 • HL2 acc. to EN45545-2 • HL3 acc. to EN45545-2
Approvals		The sealing material of the products has CURRENTA Approval in conformity with EN 45545-3.
Operating Temperature		SEAL MATERIAL Permanent -40°C to +100°C
Thread Type		Metric (M) EN 60423 NPT (N) ANSI ASME B1.20.1
Accessories		Locknuts
Remarks		• We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes. • Accessories must be ordered separately.



Order Coding

Part Number	-	Lock Nut
Mandatory	-	Option
See table	-	L Lock nut
Example		
AIO-R-BCSMBE-E2	-	L

CABLE GLANDS FOR RAILWAY APPLICATIONS, BRASS



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø	Outer Thread Length	Spanner Width		Outer Ø	Max Height	Part Number
	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M12x1.5	3.0-6.5	6.0	14	14	15.5	24.0	AIO-R-BCSMBC-ES
	3.0-6.5	12.0	14	14	15.5	24.0	AIO-R-BCSMBE-ES
M16x1.5	4.0-8.0	7.0	17	18	20.0	25.5	AIO-R-BCSMBC-01
	4.0-8.0	12.0	17	18	20.0	25.5	AIO-R-BCSMBE-01
	5.0-10.0	7.0	20	20	22.0	30.5	AIO-R-BCSMBC-E1
	5.0-10.0	12.0	20	20	22.0	30.5	AIO-R-BCSMBE-E1
M20x1.5	6.0-12.0	8.0	22	22	24.5	28.0	AIO-R-BCSMBC-E2
	6.0-12.0	12.0	22	22	24.5	28.0	AIO-R-BCSMBE-E2
	10.0-14.0	8.0	24	24	26.5	30.0	AIO-R-BCSMBC-02S
	10.0-14.0	12.0	24	24	26.5	30.0	AIO-R-BCSMBE-02S
M25x1.5	13.0-18.0	8.0	30	30	33.0	35.0	AIO-R-BCSMBC-03S
	13.0-18.0	12.0	30	30	33.0	35.0	AIO-R-BCSMBE-03S
M32x1.5	18.0-25.0	9.0	40	40	44.5	46.0	AIO-R-BCSMBC-04S
	18.0-25.0	15.0	40	40	44.5	46.0	AIO-R-BCSMBE-04S
M40x1.5	22.0-32.0	9.0	50	50	55.5	54.5	AIO-R-BCSMBC-05S
	22.0-32.0	15.0	50	50	55.5	54.5	AIO-R-BCSMBE-05S

CABLE GLANDS FOR RAILWAY APPLICATIONS, EMC 4, BRASS

EMC 4 Railway Cable Glands with Lamellar Clamping

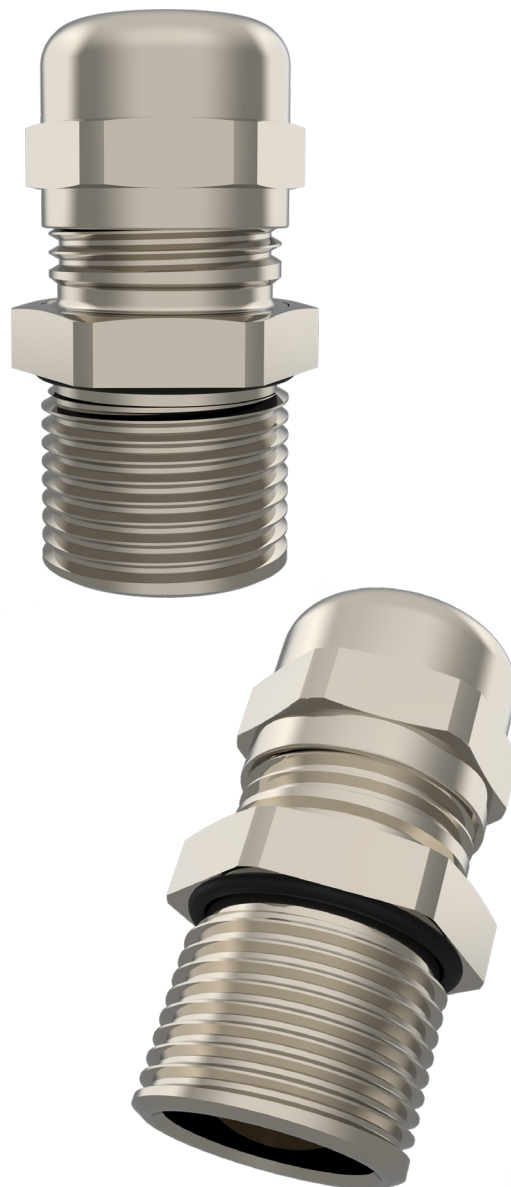
- For railway applications.
- Vibration proof EMC performance
- Long-lasting contact by high definition contact spring
- Moving spring contact offers reduced risk of sheath damage.
- Easy assembly and disassembly of cable. Spring closes and opens according to fastening of the cap.
- Easy movement of cable as long as not fastened.
- High quality strain relief and sealing, reliable performance for EMC applications.
- Up-to-date international approvals.

Technical Details

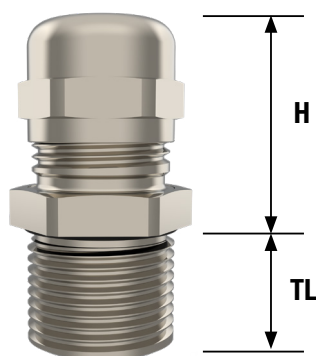
Material	Body, Cap:	Brass Nickel Plated
	Seal:	EPDM
	Clamping Insert:	PA 6 (Polyamide 6)
	Contact Spring:	Special Copper Alloy
	O-ring:	EPDM
Ingress Protection Rating		IP 68-5 Bar, 30 min IP 66
Flammability		R22 acc. to EN45545-2 R23 acc. to EN45545-2 HL2 acc. to EN45545-2 HL3 acc. to EN45545-2
Approvals		The raw material of the products has CURRENTA Approval in conformity with EN 45545-3.
Operating Temperature		SEAL MATERIAL Permanent -40°C to +100°C
Thread Type		Metric (M) EN 60423 NPT (N) ANSI ASME B1.20.1
Accessories		• Locknuts
Remarks		• We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes. • Accessories must be ordered separately.

Order Coding

Part Number	-	Gasket (Washer)	Lock Nut
Mandatory	-	Option	Option
See table	-	WC Chloroprene WS Silicon	L Lock nut
Example			
AIO-R-BCSMEM-E2S (M20T)	-	WC	L



CABLE GLANDS FOR RAILWAY APPLICATIONS, EMC 4, BRASS



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Clamping Range Ø	Shield Diameter Ø	Outer Thread Length	Spanner Width		Outer Ø	max. Height	Part Number
	min-max mm)	min-max (mm)	TL (mm)	Cap (mm)	Body (mm)	D (mm)	H (mm)	
M12x1.5	3.0-6.5	2.0-5.0	6.0	14	14	15.5	30.0	AIO-R-BCSMEM-ES (M12T)
M16x1.5	5.0-10.0	3.5-8.0	6.0	20	20	22.0	35.0	AIO-R-BCSMEM-E1 (M16T)
M20x1.5	6.0-12.0	4.5-10.0	6.0	22	22	24.5	33.5	AIO-R-BCSMEM-E2S (M20T)
M20x1.5	7.5-14.0	5.5-11.5	8.0	24	24	26.8	41.5	AIO-R-BCSMEM-E2 (M20T)
M25x1.5	10.0-18.0	7.0-14.0	8.0	30	30	33.0	44.5	AIO-R-BCSMEM-E3 (M25T)
M32x1.5	16.0-25.0	12.0-20.0	9.0	40	40	44.5	55.0	AIO-R-BCSMEM-E4 (M32T)
M40x1.5	22.0-32.0	18.0-27.0	9.0	50	50	55.5	62.5	AIO-R-BCSMEM-E5 (M40T)

ARMORED CABLE GLANDS

Cable Glands for Armored Cables

- Specially designed cable glands for armored cables. Large temperature range applications.
- Easy assembly: install cable gland-prepare steel wires-insert cable-tighten cap.
- High quality strain relief and sealing, reliable performance for standard industrial applications.

Technical Details

Material	Cable Gland	Brass, Brass Nickel Plated, Stainless Steel
	Inner Part	Brass, Brass Nickel Plated, Stainless Steel
	Sealing	CR (Chloroprene), Silicone
Ingress Protection Rating	IP 66	
Operating Temperature	Seal Material	
	CR (Chloroprene)	Silicone
	-40°C to +100°C	-60°C to + 180°C
Thread Type	• Metric EN 60423 • NPT ANSI B1.20.1 • Other thread types also available upon request.	
Cable Type	SWA, SWB, AWA, STA and Shielded	
Accessories	• Lock nuts • Gaskets (Washers) • Shroud	
Remarks	• Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Accessories must be ordered separately.	



Order Coding

Part Number	Seal	Material	-	Gasket (Washer)	Lock Nut	Shroud
Mandatory	Mandatory	Mandatory	-	Option	Option	Option
See table	C CR (Chloroprene) S Silicone	B Brass BN Brass Nickel Plated X Stainless Steel	-	WC CR (Chloroprene) WS Silicone	L Lock Nut	S Shroud
Example						
AIO-KBCSET2LM	S	BN	-	WC	L	S

ARMORED CABLE GLANDS

Thread Type Metric Acc. to EN 60423									
Outer Thread Size (Male)	Clamp Range Ø	Armour Wire Ø	Outer Thread Length	Spanner Width			Outer Ø	Max. Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Middle Body (mm)	Lower Body (mm)	D (mm)	H (mm)	
M16x1.5	8.0-15.0	0.3-1.3	9.0	25	25	24	27.0	42.5	AIO-KBCSET01M
M20x1.5	8.0-15.0	0.3-1.3	9.0	25	25	24	27.0	42.5	AIO-KBCSET1M
	13.5-21.0	0.4-1.3	9.0	30	30	29	33.0	43.5	AIO-KBCSET1LM
M25x1.5	8.0-15.0	0.3-1.3	9.0	25	25	25	27.0	42.5	AIO-KBCSET2SM
	13.5-21.0	0.4-1.3	9.0	30	30	29	33.0	43.5	AIO-KBCSET2M
	18.0-27.0	0.4-1.6	9.0	40	40	40	44.5	50.0	AIO-KBCSET2LM
M32x1.5	18.0-27.0	0.4-1.6	9.0	40	40	40	44.5	50.0	AIO-KBCSET3SM
	23.0-33.0	0.4-2.0	9.0	43	43	43	47.0	53.5	AIO-KBCSET3M
M40x1.5	29.0-40.0	0.4-2.0	9.0	52	52	52	59.0	57.0	AIO-KBCSET4M
M50x1.5	35.0-48.0	0.4-2.5	9.0	60	60	60	66.5	69.5	AIO-KBCSET5SM
	42.0-56.0	0.6-2.5	9.0	75	74	70	83.0	76.5	AIO-KBCSET5M
M63x1.5	42.0-56.0	0.6-2.5	9.0	75	74	70	83.0	76.5	AIO-KBCSET6SM
	53.0-66.0	0.6-2.5	9.0	85	85	80	94.0	77.5	AIO-KBCSET6M
M75x1.5	53.0-66.0	0.6-2.5	9.0	85	85	80	94.0	77.5	AIO-KBCSET7SM
	63.0-75.0	0.6-2.5	9.0	95	95	90	105.0	81.0	AIO-KBCSET7M

Thread Type NPT Acc. to ANSI B1.20.1									
Outer Thread Size (Male)	Clamp Range Ø	Armour Wire Ø	Outer Thread Length	Spanner Width			Outer Ø	Max. Height	Part Number
	min-max (mm)	min-max (mm)	TL (mm)	Cap (mm)	Middle Body (mm)	Lower Body (mm)	D (mm)	H (mm)	
NPT 3/8"	8.0-15.0	0.3-1.3	16.0	25	25	24	27.0	42.5	AIO-KBCSET01N
NPT 1/2"	8.0-15.0	0.3-1.3	16.0	25	25	24	27.0	42.5	AIO-KBCSET1N
	13.5-21.0	0.4-1.3	16.0	30	30	29	33.0	43.5	AIO-KBCSET1LN
NPT 3/4"	8.0-15.0	0.3-1.3	16.0	25	25	27	30.0	42.5	AIO-KBCSET2SN
	13.5-21.0	0.4-1.3	16.0	30	30	29	33.0	43.5	AIO-KBCSET2N
	18.0-27.0	0.4-1.6	16.0	40	40	40	44.5	50.0	AIO-KBCSET2LN
NPT 1"	18.0-27.0	0.4-1.6	21.0	40	40	40	44.5	50.0	AIO-KBCSET3SN
	23.0-33.0	0.4-2.0	21.0	43	43	43	47.0	53.5	AIO-KBCSET3N
NPT 1 1/4"	29.0-40.0	0.4-2.0	21.0	52	52	52	59.0	57.0	AIO-KBCSET4N
NPT 1 1/2"	35.0-48.0	0.4-2.5	21.0	60	60	60	66.5	69.5	AIO-KBCSET5SN
	42.0-56.0	0.6-2.5	21.0	75	74	70	83.0	76.5	AIO-KBCSET5N
NPT 2"	42.0-56.0	0.6-2.5	21.0	75	74	70	83.0	76.5	AIO-KBCSET6SN
	53.0-66.0	0.6-2.5	21.0	85	85	80	94.0	77.5	AIO-KBCSET6N
NPT 2 1/2"	53.0-66.0	0.6-2.5	21.0	85	85	80	94.0	77.5	AIO-KBCSET7SN
	63.0-75.0	0.6-2.5	21.0	95	95	90	105.0	81.0	AIO-KBCSET7N

DRAIN PLUGS, POLYAMIDE

Drain Plugs

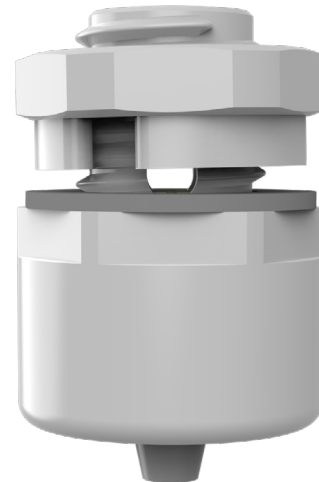
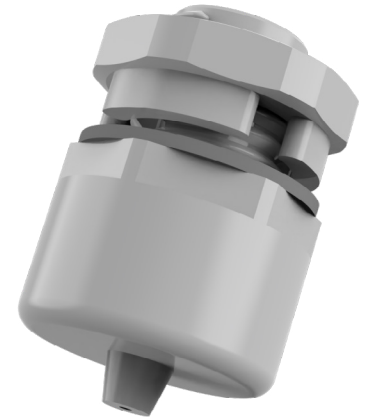
- Balances pressure differences between inner housing and the outside environment.
- Prevents damages according to pressure differences.
- Prevents the formation of water condensation in tightly-sealed standard housings.
- Membrane properties: hydrophobic, oleophobic.

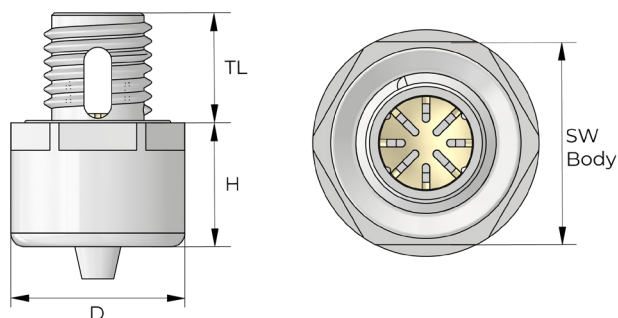
Technical Details

Material Body	PA 66	
Ingress Protection Rating	IP 56/IP 66 (Category 2)	
Flammability	V2 according to UL94	
Operating Temperature	Permanent	Intermittent
	-20°C to +80°C	-30°C to +150°C
Thread Type	Metric EN 60423 and EN 62444	
Accessories	Locknuts Gaskets (Washers)	
Remarks	• We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes. • Accessories must be ordered separately.	

Order Coding

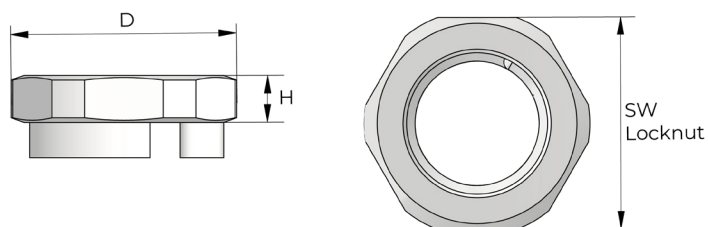
Part Number	-	Locknut
Mandatory	-	-Option
See table	-	-L Lock nut
Example		
AIO-BPCSDRP-11	-	L





DRAIN PLUGS, POLYAMIDE

Thread Type Metric Acc. to EN 60423						
Outer Thread Size (Male)	Outer Thread Length	Outer Ø	Height	Part Number		
	TL (mm)	D (mm)	h (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M12x1.5	12.0	19.0	17.0	AIO-BPCSDRP-11	AIO-BPCSDRP-01	AIO-BPCSDRP-21



SPECIAL LOCK NUTS FOR DRAIN PLUGS

Outer Thread Size (Female)	Spanner Width	Outer Ø	Height	Part Number		
	Lock nut (mm)	D (mm)	h (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M12x1.5	18	19.2	7.0	AIO-BMCSDL-1S(DRP)	AIO-BMCSDL-0S(DRP)	AIO-BMCSDL-2S(DRP)

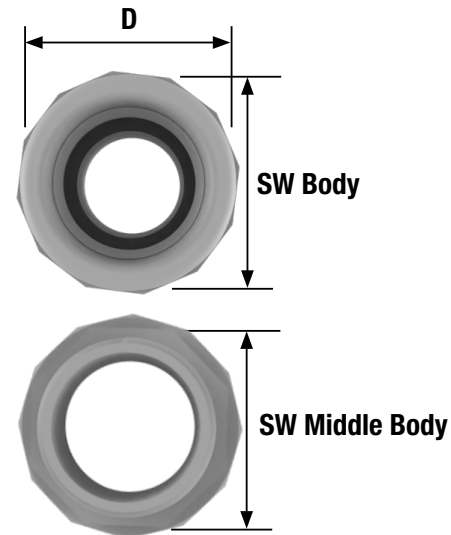
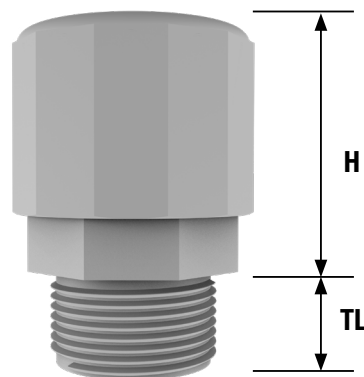
ENCLOSURE COUPLERS, POLYAMIDE

Enclosure Couplers

- Halogen free.
- No toxic fumes when involved in a fire.
- No conduit tubes
- One side with standard metric threads and special fitting for conduit spiral on the other side.

Technical Details

Material	Fitting Seal	Polyamide 6 Halogen free TPE Halogen free
Ingress Protection Rating	IP 67	
Operating Temperature	Permanent -20°C to +80°C	
Thread Type	Metric, according to EN 60423 and EN 62444	
Accessories	• Locknuts	
Remarks	• We recommend the use of locknuts to ensure IP rating for rough surfaces or through holes. • Accessories must be ordered separately.	



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	For Conduit Nominal Size	Outer Thread Length	Spanner Width		Outer Ø	Inner Ø	Height	Part Number RAL 7035 Light Gray
		TL (mm)	Body (mm)	Middle Body (mm)	D (mm)	ID (mm)	H (mm)	
M16x1.5	16.0	14.0	26.0	21.0	26.3	16.5	34.5	AIO-BRCSCF-01
M20x1.5	20.0	14.0	30.0	25.0	31.1	20.5	33.6	AIO-BRCSCF-02
M25x1.5	25.0	14.0	35.0	30.0	35.7	25.1	34.7	AIO-BRCSCF-03
M32x1.5	32.0	14.0	42.0	37.0	43.0	32.6	34.5	AIO-BRCSCF-04
M40x1.5	40.0	19.0	50.0	45.0	51.5	40.4	42.2	AIO-BRCSCF-05
M50x1.5	50.0	19.0	61.0	55.0	63.4	50.7	42.1	AIO-BRCSCF-06
M63x1.5	63.0	19.0	74.0	68.0	77.2	58.2	42.2	AIO-BRCSCF-07

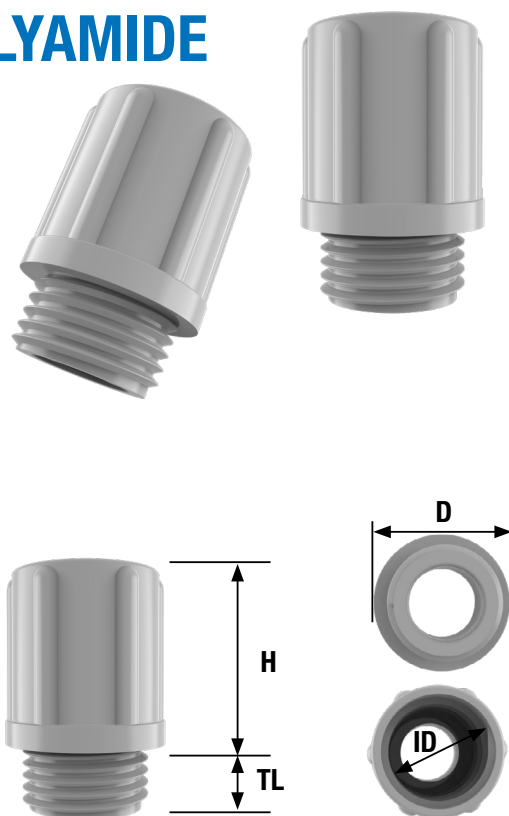
STRAIGHT CONDUIT FITTINGS, POLYAMIDE

Straight Conduit Fittings, Polyamide

- Halogen free.
- No toxic fumes when involved in a fire.
- No flexible spiral conduits.
- One side with standard metric or PG thread and special thread for conduit spiral on the other side.

Technical Details

Material	Polyamide 6 Halogen free
Ingress Protection Rating	IP 54
Operating Temperature	Permanent -20°C to +80°C
Thread Type	Metric, according to EN 60423 PG, according to DIN 40430
Accessories	• Locknuts
Remarks	• We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes. • Accessories must be ordered separately.



Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	For Conduit Nominal Size	Outer Thread Length	Outer Ø	Inner Ø	Height	Part Number		
		TL (mm)	D (mm)	ID (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M12x1.5	12.8	8.0	17.4	7.0	21.2	AIO-BCCSM-1S	AIO-BCCSM-0S	AIO-BCCSM-2S
M16x1.5	15.0	8.0	20.0	10.0	21.3	AIO-BCCSM-11	AIO-BCCSM-01	AIO-BCCSM-21
M20x1.5	19.0	8.0	24.1	15.0	24.5	AIO-BCCSM-12	AIO-BCCSM-02	AIO-BCCSM-22
M20x1.5	21.0	9.0	26.0	13.0	25.5	AIO-BCCSM-13	AIO-BCCSM-03	AIO-BCCSM-23
M25x1.5	22.0	10.0	28.9	18.0	25.5	AIO-BCCSM-14	AIO-BCCSM-04	AIO-BCCSM-24
M32x1.5	28.3	11.0	36.0	27.0	27.5	AIO-BCCSM-15	AIO-BCCSM-05	AIO-BCCSM-25
M40x1.5	36.4	11.0	44.2	31.5	32.5	AIO-BCCSM-16	AIO-BCCSM-06	AIO-BCCSM-26
M50x1.5	46.2	14.0	54.1	40.5	39.8	AIO-BCCSM-17	AIO-BCCSM-07	AIO-BCCSM-27
M63x1.5	57.0	14.0	67.0	51.0	43.5	AIO-BCCSM-18	AIO-BCCSM-08	AIO-BCCSM-28

STRAIGHT CONDUIT FITTINGS, POLYAMIDE

Thread Type PG Acc. to DIN 40430

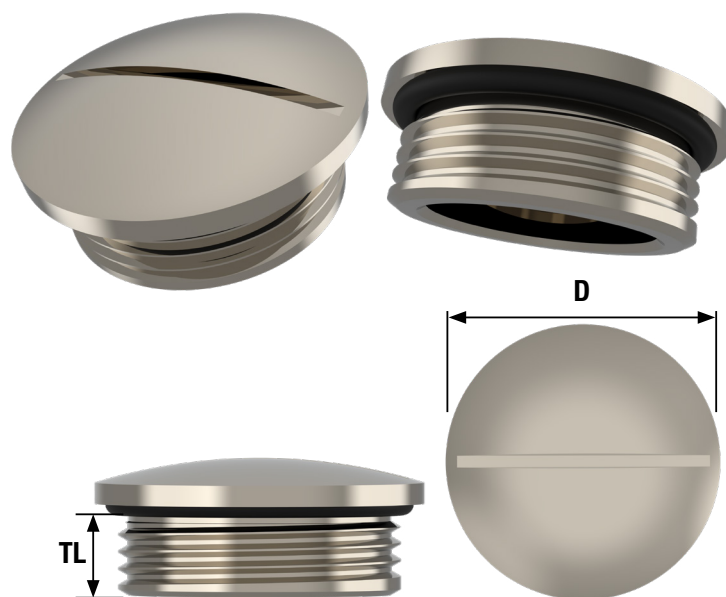
Outer Thread Size (Male)	For Conduit Nominal Size	Outer Thread Length	Outer Ø	Inner Ø	Height	Part Number		
		TL (mm)	D (mm)	ID (mm)	H (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
PG 7	12.8	8.0	17.4	7.0	21.2	AIO-BCCSF-1S	AIO-BCCSF-0S	AIO-BCCSF-2S
PG 9	15.0	8.0	20.0	10.0	21.3	AIO-BCCSF-11	AIO-BCCSF-01	AIO-BCCSF-21
PG 11	19.0	8.0	24.0	13.5	24.5	AIO-BCCSF-12	AIO-BCCSF-02	AIO-BCCSF-22
PG 13,5	21.0	9.0	25.9	14.5	25.3	AIO-BCCSF-13	AIO-BCCSF-03	AIO-BCCSF-23
PG 16	22.0	10.0	28.9	16.0	25.5	AIO-BCCSF-14	AIO-BCCSF-04	AIO-BCCSF-24
PG 21	28.3	11.0	36.0	21.5	27.5	AIO-BCCSF-15	AIO-BCCSF-05	AIO-BCCSF-25
PG 29	36.4	11.0	44.2	31.5	32.4	AIO-BCCSF-16	AIO-BCCSF-06	AIO-BCCSF-26
PG 36	46.2	14.0	53.0	41.0	39.9	AIO-BCCSF-17	AIO-BCCSF-07	AIO-BCCSF-27
PG 48	57.0	14.0	67.8	51.0	43.3	AIO-BCCSF-18	AIO-BCCSF-08	AIO-BCCSF-28

Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Spanner Width	Part Number		
	Locknut (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M16x1.5	22.0	AIO-BRCSCF-11-L	AIO-BRCSCF-01-L	AIO-BRCSCF-21-L
M20x1.5	26.0	AIO-BRCSCF-12-L	AIO-BRCSCF-02-L	AIO-BRCSCF-22-L
M25x1.5	32.0	AIO-BRCSCF-13-L	AIO-BRCSCF-03-L	AIO-BRCSCF-23-L
M32x1.5	41.0	AIO-BRCSCF-14-L	AIO-BRCSCF-04-L	AIO-BRCSCF-24-L
M40x1.5	50.0	AIO-BRCSCF-15-L	AIO-BRCSCF-05-L	AIO-BRCSCF-25-L
M50x1.5	60.0	AIO-BRCSCF-16-L	AIO-BRCSCF-06-L	AIO-BRCSCF-26-L
M63x1.5	75.0	AIO-BRCSCF-17-L	AIO-BRCSCF-07-L	AIO-BRCSCF-27-L

ROUND PLUGS, METAL

Technical Details		
Material	Body	Brass, Brass Nickel Plated, Stainless Steel, Galvanised Steel
	O-Ring	NBR, Silicone
Ingress Protection Rating		IP 68 (5 bar, 30 min), according to EN 60 529
Operating Temperature	O-Ring Material	
	NBR	Silicone
	-30°C to +100°C	60°C to +140°C
Thread Type		Metric, according to EN 60423 PG, according to DIN 40430
Accessories		Locknuts Gaskets (Washers)
Remarks		- Accessories must be ordered separately. - O-ring available in Metric and PG threads.



Thread Type Metric Acc. to EN 60423				
Outer Thread Size (Male)	Outer Thread Length	Outer Ø	Height	Part Number
	TL (mm)	D (mm)	H (mm)	
M12x1,5	6.0	15.0	2.5	AIO-ITSCSR-0SMBNN
M16x1,5	7.0	19.0	3.0	AIO-ITSCSR-01MBNN
M20x1,5	8.0	23.0	3.0	AIO-ITSCSR-02MBNN
M25x1,5	8.0	29.0	4.0	AIO-ITSCSR-03MBNN
M32x1,5	9.0	36.0	4.0	AIO-ITSCSR-04MBNN
M40x1,5	9.0	44.0	4.0	AIO-ITSCSR-05MBNN
M50x1,5	9.0	54.0	5.0	AIO-ITSCSR-06MBNN
M63x1,5	10.0	69.0	6.0	AIO-ITSCSR-07MBNN

Thread Type PG Acc. to DIN 40430				
Outer Thread Size (Male)	Outer Thread Length	Outer Ø	Height	Part Number
	TL (mm)	D (mm)	H (mm)	
PG 9	6.0	19.0	3.0	AIO-ITSCSR-02PBNN
PG 11	6.0	22.0	3.0	AIO-ITSCSR-03PBNN
PG 13.5	6.5	24.0	3.0	AIO-ITSCSR-04PBNN
PG 16	6.5	26.0	3.0	AIO-ITSCSR-05PBNN
PG 21	7.0	33.0	4.0	AIO-ITSCSR-06PBNN
PG 29	8.0	42.0	4.0	AIO-ITSCSR-07PBNN
PG 36	9.0	52.0	6.0	AIO-ITSCSR-08PBNN
PG 42	10.0	59.0	6.0	AIO-ITSCSR-09PBNN
PG 48	10.0	66.0	6.0	AIO-ITSCSR-10PBNN

Order Coding			
Part Number	Material	-	O-Ring
Mandatory	Mandatory	-	Option
See table	B-Brass BN-Brass Nickel plated X-Stainless steel	-	N-NBR S-Silicone
Example			
AIO-ITSCSR-01MBNN	X	-	N

VENTILATION PLUGS, POLYAMIDE

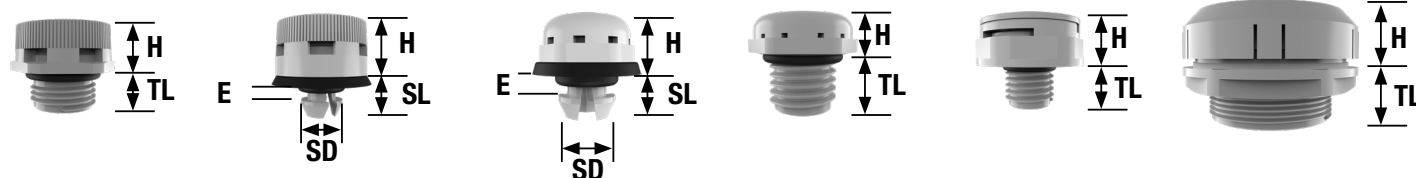
Ventilation Plugs

- Balances pressure differences between inner housing and the outside environment.
- Prevents damages according to pressure differences.
- Prevents the formation of water condensation in tightly-sealed standard housings.
- Membrane properties: hydrophobic, oleophobic.

Technical Details

Material	Body, Cap	PA 6 (Polyamide 6)
	Sealing	Acrylic co-polymer on nylon-support
	O-Ring	NBR
	Gaskets	NBR (standard for B and J types)
Ingress Protection Rating		IP 68 / IP 67 (for water intrusion pressure 0.1 bar) IP 69K (only for J and D types)
Flammability		V2 according to UL94
Operating Temperature	Permanent	-20 °C to +100 °C
	Intermittent	-30 °C to +150 °C
Thread Type	• Metric EN 60423 • Without thread	
Accessories	• Lock nuts • Gaskets	
Remarks	• We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Same approvals do not cover all colors or sizes.	
Approvals		Certificate Number
		E542804
TYPE 4X		CAN/CSA C22.2 No. 14-2010

For more approvals: see our webpage.



VENTILATION PLUGS, POLYAMIDE

Thread Type Metric Acc. to EN 60423

Outer Thread Size (Male)	Average Air Flow ($\Delta P = 70$ mbar/1 psi) l/h	Water Intrusion Pressure mbar	Outer Thread Length	Spanner Width	Outer $\varnothing$	Height	Design Type	Part Number		
			TL (mm)	SW (mm)	D (mm)	H (mm)		RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M6x0.75	8	0.5	10.0	10.0	11.0	6.15	D	AIO-MBCSVPG-11	AIO-MBCSVPG-01	AIO-MBCSVPG-21
M8x1.0	15	0.5	10.0	12.0	13.0	6.15	D	AIO-MBCSVPG-12	AIO-MBCSVPG-02	AIO-MBCSVPG-22
M12x1.0	16	0.9	6.6	17.0	18.5	7.6	A	AIO-SBCSVPA-11	AIO-SBCSVPA-01	AIO-SBCSVPA-21
	25	0.5	6.6	17.0	18.5	7.6	A	AIO-MBCSVPA-11	AIO-MBCSVPA-01	AIO-MBCSVPA-21
	120	0.2	6.6	17.0	18.5	7.6	A	AIO-HBCSVPA-11	AIO-HBCSVPA-01	AIO-HBCSVPA-21
	300	0.1	6.6	17.0	18.5	7.6	A	AIO-UHBCSVPA-11	AIO-UHBCSVPA-01	AIO-UHBCSVPA-21
M12x1.5	25	0.5	10.0	17.0	18.8	6.15	D	AIO-MBCSVPG-13	AIO-MBCSVPG-03	AIO-MBCSVPG-23
	16	0.9	6.0	17.0	18.5	7.6	A	AIO-SBCSVPB-11	AIO-SBCSVPB-01	AIO-SBCSVPB-21
	16	0.9	10.0	17.0	18.5	7.6	A	AIO-SBCSVPB-11L	AIO-SBCSVPB-01L	AIO-SBCSVPB-21L
	25	0.5	6.0	17.0	18.5	7.6	A	AIO-MBCSVPB-11	AIO-MBCSVPB-01	AIO-MBCSVPB-21
	25	0.5	10.0	17.0	18.5	7.6	A	AIO-MBCSVPB-11L	AIO-MBCSVPB-01L	AIO-MBCSVPB-21L
	42	0.9	10.0	24.0	26.0	11.7	E	AIO-SBCSVPD-11	AIO-SBCSVPD-01	AIO-SBCSVPD-21
	120	0.5	10.0	24.0	26.0	11.7	E	AIO-MBCSVPD-11	AIO-MBCSVPD-01	AIO-MBCSVPD-21
	120	0.2	6.0	17.0	18.5	7.6	A	AIO-HBCSVPB-11	AIO-HBCSVPB-01	AIO-HBCSVPB-21
	120	0.2	10.0	17.0	18.5	7.6	A	AIO-HBCSVPB-11L	AIO-HBCSVPB-01L	AIO-HBCSVPB-21L
	300	0.1	6.0	17.0	18.5	7.6	A	AIO-UHBCSVPB-11	AIO-UHBCSVPB-01	AIO-UHBCSVPB-21
	300	0.1	10.0	17.0	18.5	7.6	A	AIO-UHBCSVPB-11L	AIO-UHBCSVPB-01L	AIO-UHBCSVPB-21L
	450	0.2	10.0	24.0	26.0	11.7	E	AIO-HBCSVPD-11	AIO-UHBCSVPD-01	AIO-UHBCSVPD-21
	750	0.1	10.0	24.0	26.0	11.7	E	AIO-UHBCSVPD-11	AIO-UHBCSVPD-01	AIO-UHBCSVPD-21
M16x1.5	42	0.9	10.0	24.0	26.0	11.7	E	AIO-SBCSVPF-11	AIO-SBCSVPF-01	AIO-SBCSVPF-21
	120	0.5	10.0	24.0	26.0	11.7	E	AIO-MBCSVPF-11	AIO-MBCSVPF-01	AIO-MBCSVPF-21
	450	0.2	10.0	24.0	26.0	11.7	E	AIO-HBCSVPF-11	AIO-HBCSVPF-01	AIO-HBCSVPF-21
	750	0.1	10.0	24.0	26.0	11.7	E	AIO-UHBCSVPF-11	AIO-UHBCSVPF-01	AIO-UHBCSVPF-21
M20x1.5	42	0.9	10.0	24.0	26.0	11.7	E	AIO-SBCSVPE-11	AIO-SBCSVPE-01	AIO-SBCSVPE-21
	120	0.5	10.0	24.0	26.0	11.7	E	AIO-MBCSVPE-11	AIO-MBCSVPE-01	AIO-MBCSVPE-21
	450	0.2	10.0	24.0	26.0	11.7	E	AIO-HBCSVPE-11	AIO-HBCSVPE-01	AIO-HBCSVPE-21
	750	0.1	10.0	24.0	26.0	11.7	E	AIO-UHBCSVPE-11	AIO-UHBCSVPE-01	AIO-UHBCSVPE-21
M40x1.5	120	0.9	18.0	-	55.3	15.5	F	AIO-SBCSVPX-18S	AIO-SBCSVPX-08S	AIO-SBCSVPX-28S
	375	0.5	18.0	-	55.3	15.5	F	AIO-MBCSVPX-18S	AIO-MBCSVPX-08S	AIO-MBCSVPX-28S
	1350	0.2	18.0	-	55.3	15.5	F	AIO-HBCSVPX-18S	AIO-HBCSVPX-08S	AIO-HBCSVPX-28S
	2200	0.1	18.0	-	55.3	15.5	F	AIO-UHBCSVPX-18S	AIO-UHBCSVPX-08S	AIO-UHBCSVPX-28S

Wall Thickness (E): 2.5mm

Snap Size	Average Air Flow ($\Delta P = 70$ mbar/1 psi) l/h	Water Intrusion Pressure bar	Snap Length	Snap $\varnothing$	Outer $\varnothing$	Spanner Width	Height	Design Type	Part Number		
			SL (mm)	SD (mm)	D (mm)	(mm)	H (mm)		RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
5.5	16	0.9	7.5	5.4	18.5	-	9.3	B	AIO-SBCSVQ-M11	AIO-SBCSVQ-M01	AIO-SBCSVQ-M21
	25	0.5	7.5	5.4	18.5	-	9.3	B	AIO-MBCSVQ-M11	AIO-MBCSVQ-M01	AIO-MBCSVQ-M21
	120	0.2	7.5	5.4	18.5	-	9.3	B	AIO-HBCSVQ-M11	AIO-HBCSVQ-M01	AIO-HBCSVQ-M21
	300	0.1	7.5	5.4	18.5	-	9.3	B	AIO-UHBCSVQ-M11	AIO-UHBCSVQ-M01	AIO-UHBCSVQ-M21

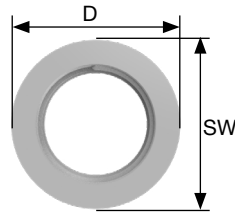
Wall Thickness (E): 3.2 mm

5.5	15	0.5	0.5	5.4	18.5	12	6.5	J	AIO-MBCSVPGQ-12	AIO-MBCSVPGQ-02	AIO-MBCSVPGQ-22
	25	0.5	7.5	5.4	18.5	17	6.5	J	AIO-MBCSVPGQ-13	AIO-MBCSVPGQ-03	AIO-MBCSVPGQ-23

LOCK NUTS, POLYAMIDE

Lock Nuts, Flanged

- For standard industrial applications.
- Safe fastening of cable glands.
- Flanged design offers safe sealing.



Technical Details

Material	PA 6 GF (Polyamide 6, 30% Glass Fiber Reinforced)	
Flammability	HB according to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-30 °C to +150 °C
Thread Type	• Metric EN 60423	
	• NPS ANSI B1.20.1	
	• PG DIN 40430	
	• Gas ISO 228	

Lock Nut for Metric Applications Acc. to EN 604 Lock N 23

Inner Thread Size (Female)	Spanner Width	Outer Ø	Height	Part Number		
	(mm)	D (mm)	h (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
M12x1.5	18	19.5	5.0	AIO-BMCSL-1S	AIO-BMCSL-0S	AIO-BMCSL-2S
M16x1.5	22	24.2	5.0	AIO-BMCSL-11	AIO-BMCSL-01	AIO-BMCSL-21
M20x1.5	26	28.6	6.0	AIO-BMCSL-12	AIO-BMCSL-02	AIO-BMCSL-22
M25x1.5	32	35.0	6.0	AIO-BMCSL-13	AIO-BMCSL-03	AIO-BMCSL-23
M32x1.5	41	46.1	7.0	AIO-BMCSL-14	AIO-BMCSL-04	AIO-BMCSL-24
M40x1.5	50	55.3	7.0	AIO-BMCSL-15	AIO-BMCSL-05	AIO-BMCSL-25
M50x1.5	60	65.7	8.0	AIO-BMCSL-16	AIO-BMCSL-06	AIO-BMCSL-26
M63x1.5	75	82.5	8.0	AIO-BMCSL-17	AIO-BMCSL-07	AIO-BMCSL-27
M75x2.0	85	94.0	15.0	AIO-BMCSL-18	AIO-BMCSL-08	AIO-BMCSL-28

Lock Nut for NPT Applications Acc. to ANSI B1.20.1

Inner Thread Size (Female)	Spanner Width	Outer Ø	Height	Part Number		
	(mm)	D (mm)	h (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
for NPT 3/8"	22	25.0	7.0	AIO-BPCSL-11	AIO-BPCSL-01	AIO-BPCSL-21
for NPT 1/2"	27	30.5	7.0	AIO-BPCSL-12	AIO-BPCSL-02	AIO-BPCSL-22
for NPT 3/4"	33	37.5	7.0	AIO-BPCSL-13	AIO-BPCSL-03	AIO-BPCSL-23
for NPT 1"	41	46.2	7.0	AIO-BPCSL-14	AIO-BPCSL-04	AIO-BPCSL-24

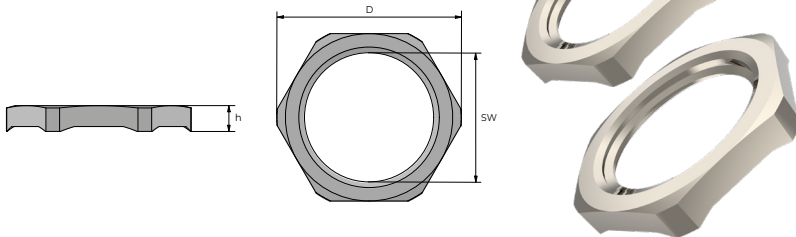
Lock Nut for PG Applications Acc. to DIN 40430

Inner Thread Size (Female)	Spanner Width	Outer Ø	Height	Part Number		
	(mm)	D (mm)	h (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
PG 7	19	20.9	5.0	AIO-BLCS-11	AIO-BLCS-01	AIO-BLCS-21
PG 9	22	23.9	5.0	AIO-BLCS-12	AIO-BLCS-02	AIO-BLCS-22
PG 11	24	25.9	5.0	AIO-BLCS-13	AIO-BLCS-03	AIO-BLCS-23
PG 13.5	27	28.9	6.0	AIO-BLCS-14	AIO-BLCS-04	AIO-BLCS-24
PG 16	30	32.9	6.0	AIO-BLCS-15	AIO-BLCS-05	AIO-BLCS-25
PG 21	36	38.8	7.0	AIO-BLCS-16	AIO-BLCS-06	AIO-BLCS-26
PG 29	46	49.8	7.0	AIO-BLCS-17	AIO-BLCS-07	AIO-BLCS-27
PG 36	60	65.7	8.0	AIO-BLCS-18	AIO-BLCS-08	AIO-BLCS-28
PG 42	65	72.7	8.0	AIO-BLCS-19	AIO-BLCS-09	AIO-BLCS-29
PG 48	70	77.7	8.0	AIO-BLCS-20	AIO-BLCS-10	AIO-BLCS-30

Lock Nut for G Applications Acc. to G ISO 228

Inner Thread Size (Female)	Spanner Width	Outer Ø	Height	Part Number		
	(mm)	D (mm)	h (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
G 3/8"	22	25.0	6.0	AIO-BFCSL-11	AIO-BFCSL-01	AIO-BFCSL-21
G 1/2"	27	30.5	6.0	AIO-BFCSL-12	AIO-BFCSL-02	AIO-BFCSL-22
G 3/4"	33	37.5	6.4	AIO-BFCSL-13	AIO-BFCSL-03	AIO-BFCSL-23
1"	42	47.5	6.5	AIO-BFCSL-14	AIO-BFCSL-04	AIO-BFCSL-24

LOCK NUTS, METAL



Lock Nuts, Metal

- For standard industrial applications in harsh environments.
- Safe fastening of cable glands.

Technical Details

Material	Brass Nickel plated, Stainless Steel
Thread Type	• Metric EN 60423 • NPSL ANSI B1.20.1 • PG DIN 40430 • G (PF) Din ISO 228

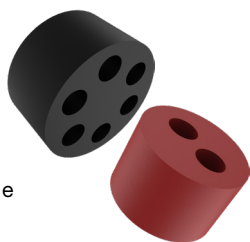
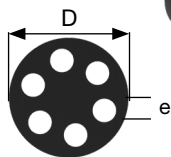
Thread Type Metric Acc. to EN 60423

Inner Thread Size (Female)	Brass Nickel Plated				Stainless Steel			
	Spanner Width	Outer Ø	Height	Part Number	Spanner Width	Outer Ø	Height	Part Number
	(mm)	D (mm)	H (mm)		(mm)	D (mm)	H (mm)	
M12x1.5	15	16.6	2.8	AIO-BMCSBL-01	15	16.6	2.8	AIO-BMCSBLS-01
M16x1.5	19	21.0	3.0	AIO-BMCSBL-02	19	21.0	3.0	AIO-BMCSBLS-02
M20x1.5	24	26.5	3.5	AIO-BMCSBL-03	24	26.5	3.5	AIO-BMCSBLS-03
M25x1.5	30	33.0	4.0	AIO-BMCSBL-04	30	33.0	4.0	AIO-BMCSBLS-04
M32x1.5	36	39.5	5.0	AIO-BMCSBL-05	36	39.5	5.0	AIO-BMCSBLS-05
M40x1.5	46	51.0	5.0	AIO-BMCSBL-06	46	51.0	5.0	AIO-BMCSBLS-06
M50x1.5	60	66.0	5.0	AIO-BMCSBL-07	60	66.0	6.0	AIO-BMCSBLS-07
M63x1.5	70	77.0	6.0	AIO-BMCSBL-08	70	77.0	7.0	AIO-BMCSBLS-08
M70x1.5	75	83.0	7.0	AIO-BMCSBL-09S	75	83.0	7.0	AIO-BMCSBLS-09S
M72x2.0	77	86.0	7.0	AIO-BMCSBL-09	77	86.0	7.0	AIO-BMCSBLS-09
M75x1.5	80	89.0	7.0	AIO-BMCSBL-10S	80	89.0	7.0	AIO-BMCSBLS-10S
M75x2.0	80	89.6	7.0	AIO-BMCSBL-10	80	89.6	7.0	AIO-BMCSBLS-10
M80x2.0	90	100.0	8.0	AIO-BMCSBL-11	90	100.0	8.0	AIO-BMCSBLS-11
M85x1.5	95	106.2	8.0	AIO-BMCSBL-12S	95	106.2	8.0	AIO-BMCSBLS-12S
M85x2.0	95	106.2	8.0	AIO-BMCSBL-12	95	106.2	8.0	AIO-BMCSBLS-12
M90x1.5	100	112.0	8.0	AIO-BMCSBL-13S	100	112.0	8.0	AIO-BMCSBLS-13S
M90x2.0	100	112.0	8.0	AIO-BMCSBL-13	100	112.0	8.0	AIO-BMCSBLS-13
M100x1.5	120	128.0	10.0	AIO-BMCSBL-14	120	128.0	10.0	AIO-BMCSBLS-14
M110x1.5	130	145.0	10.0	AIO-BMCSBL-15	130	145.0	10.0	AIO-BMCSBLS-15
M115x2.0	135	151.0	10.0	AIO-BMCSBL-16	135	151.0	10.0	AIO-BMCSBLS-16
M130x2.0	150	167.0	12.0	AIO-BMCSBL-18	150	167.0	12.0	AIO-BMCSBLS-18

Thread Type NPSL Acc. to ANSI B1.20.1

Inner Thread Size (Female)	Brass Nickel Plated				Stainless Steel			
	Spanner Width	Outer Ø	Height	Part Number	Spanner Width	Outer Ø	Height	Part Number
	(mm)	D (mm)	H (mm)		(mm)	D (mm)	H (mm)	
NPSL 1/4"	17.0	18.8	5.0	AIO-BNCSLN-01S	17.0	18.8	5.0	AIO-BNCSLNS-01S
NPSL 3/8"	24.0	26.5	5.0	AIO-BNCSLN-01	24.0	26.5	5.0	AIO-BNCSLNS-01
NPSL 1/2"	24.0	26.5	5.0	AIO-BNCSLN-02	24.0	26.5	5.0	AIO-BNCSLNS-02
NPSL 3/4"	34.0	37.5	6.0	AIO-BNCSLN-03	35.0	39.0	6.0	AIO-BNCSLNS-03
NPSL 1"	42.0	46.4	6.0	AIO-BNCSLN-04	46.0	51.0	6.0	AIO-BNCSLNS-04
NPSL 1 1/4"	52.0	57.4	7.0	AIO-BNCSLN-05	55.0	61.0	7.0	AIO-BNCSLNS-05
NPSL 1 1/2"	60.0	65.1	7.0	AIO-BNCSLN-06	60.0	65.1	7.0	AIO-BNCSLNS-06
NPSL 2"	74.0	81.8	8.0	AIO-BNCSLN-07	74.0	81.8	8.0	AIO-BNCSLNS-07
NPSL 2 1/2"	80.0	89.0	10.0	AIO-BNCSLN-08	80.0	89.0	10.0	AIO-BNCSLNS-08
NPSL 3"	95.0	105.0	10.0	AIO-BNCSLN-09	95.0	105.0	10.0	AIO-BNCSLNS-09
NPSL 3 1/2"	115.0	128.5	10.0	AIO-BNCSLN-10	115.0	128.5	10.0	AIO-BNCSLNS-10
NPSL 4"	130.0	145.0	10.0	AIO-BNCSLN-11	130.0	145.0	10.0	AIO-BNCSLNS-11
NPSL 5"	160.0	178.5	12.0	AIO-BNCSLN-12	160.0	178.5	12.0	AIO-BNCSLNS-12

MULTIHOLE SEALS



Multihole Seals

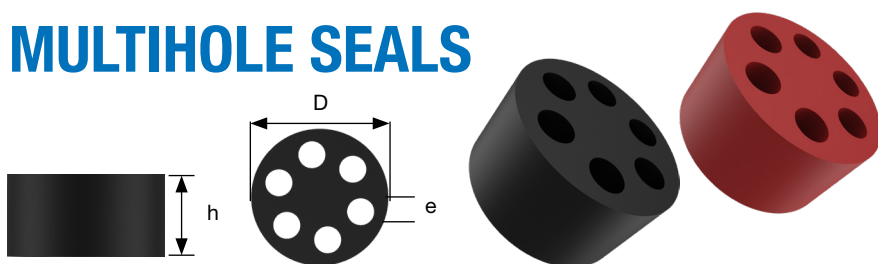
- To use a number of small cables in one cable gland.
- High quality strain relief and sealing, reliable performance for standard industrial applications.

Technical Details

Material	• CR (Chloroprene) • NBR • Silicone • EPDM
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Replaced Standard Seal		No. of Cores n	Core Ø e (mm)	Outer Ø Height		Part Number	
#1 Ø min-max (mm)	#2 Ø min-max (mm)			D (mm)	h (mm)	CR Black	NBR Black
4.0-8.0	2.0-6.0	2	3.0	10.9	7.0	AIO-MMSCS-012C	AIO-MMSCS-012N
			4.0	10.9	7.0	AIO-MMSCS-011C	AIO-MMSCS-011N
		4	3.0	10.9	7.0	AIO-MMSCS-013C	AIO-MMSCS-013N
5.0-10.0	3.0-7.0	2	3.0	13.7	10.4	AIO-MMSCS-017C	AIO-MMSCS-017N
			4.0	13.7	10.4	AIO-MMSCS-014C	AIO-MMSCS-014N
			4.5	13.7	10.4	AIO-MMSCS-015C	AIO-MMSCS-015N
			5.0	13.7	10.4	AIO-MMSCS-018C	AIO-MMSCS-018N
		3	4.0	13.7	10.4	AIO-MMSCS-019C	AIO-MMSCS-019N
6.0-12.0	5.0-9.0	2	1x4.7-1x6.6	16.0	8.0	AIO-MMSCS-02M1C	AIO-MMSCS-02M1N
			5.0	16.0	8.4	AIO-MMSCS-025C	AIO-MMSCS-025N
			6.0	16.0	8.4	AIO-MMSCS-021C	AIO-MMSCS-021N
		3	4.0	16.0	9.4	AIO-MMSCS-022C	AIO-MMSCS-022N
			5.0	16.0	8.4	AIO-MMSCS-023C	AIO-MMSCS-023N
		4	3.0	16.0	8.4	AIO-MMSCS-024C	AIO-MMSCS-024N
10.0-14.0	7.0-12.0	2	4.0	16.0	8.4	AIO-MMSCS-026C	AIO-MMSCS-026N
			1x6.8-1x7.8	18.0	9.3	AIO-MMSCS-02LC	AIO-MMSCS-02LN
			4.0	18.0	9.3	AIO-MMSCS-02AC	AIO-MMSCS-02AN
			6.0	18.0	9.3	AIO-MMSCS-02CC	AIO-MMSCS-02CN
			6.5	18.0	9.3	AIO-MMSCS-02GC	AIO-MMSCS-02GN
		3	7.0	18.0	9.3	AIO-MMSCS-28C	AIO-MMSCS-028N
			2x7.0-1x4.0	18.0	9.3	AIO-MMSCS-02HC	AIO-MMSCS-02HN
			4.0	18.0	9.3	AIO-MMSCS-029C	AIO-MMSCS-029N
			5.6	18.0	9.3	AIO-MMSCS-02JC	AIO-MMSCS-02JN
			6.0	18.0	9.3	AIO-MMSCS-02DC	AIO-MMSCS-02DN
		4	5.0	18.0	9.3	AIO-MMSCS-02BC	AIO-MMSCS-02BN
			6.0	18.0	9.3	AIO-MMSCS-02KE	AIO-MMSCS-02KN
			4.0	18.0	9.3	AIO-MMSCS-02EC	AIO-MMSCS-02EN
		6	4.0	18.0	9.3	AIO-MMSCS-02MC	AIO-MMSCS-02MN
11.0-17.0	9.0-13.0	2	6.0	20.4	10.7	AIO-MMSCS-03CC	AIO-MMSCS-03CN
			5.0	20.4	10.7	AIO-MMSCS-03EC	AIO-MMSCS-03EN
		3	6.0	20.4	10.7	AIO-MMSCS-03DC	AIO-MMSCS-03DN
			7.0	20.4	10.7	AIO-MMSCS-03FC	AIO-MMSCS-03FN
		4	5.0	20.4	10.7	AIO-MMSCS-03GC	AIO-MMSCS-03GN
		5	4.0	20.4	10.7	AIO-MMSCS-03HC	AIO-MMSCS-03HN
		6	4.0	20.4	10.7	AIO-MMSCS-03IC	AIO-MMSCS-03IN
13.0-18.0	9.0-16.0	2	3.0	20.4	10.7	AIO-MMSCS-03JC	AIO-MMSCS-03JN
			6.6	22.9	12.2	AIO-MMSCS-032C	AIO-MMSCS-032N
			7.0	22.9	12.2	AIO-MMSCS-033C	AIO-MMSCS-033N
			8.0	22.9	12.2	AIO-MMSCS-034C	AIO-MMSCS-034N
		3	9.0	22.9	12.2	AIO-MMSCS-035C	AIO-MMSCS-035N
			6.6	22.9	12.2	AIO-MMSCS-036AC	AIO-MMSCS-036AN
			7.0	22.9	12.2	AIO-MMSCS-03BC	AIO-MMSCS-03BN
		4	8.0	22.9	12.2	AIO-MMSCS-037C	AIO-MMSCS-037N
			6.6	22.9	12.2	AIO-MMSCS-039C	AIO-MMSCS-039N
		8	7.0	22.9	12.2	AIO-MMSCS-039AC	AIO-MMSCS-039AN
			4x2.0-2x4.0-2x6.0	22.9	12.2	AIO-MMSCS-039DC	AIO-MMSCS-039DN

MULTIHOLE SEALS



Multihole Seals

- To use a number of small cables in one cable gland.
- High quality strain relief and sealing, reliable performance for standard industrial applications.

Technical Details

Material	• CR (Chloroprene) • NBR • Silicone • EPDM
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Replaced Standard Seal		No. of Cores	Core Ø	Outer Ø	Height	Part Number	
#1 Ø min-max	#2 Ø min-max (mm)	n (mm)	e (mm)	D (mm)	h (mm)	CR Black	NBR Black
15.0-21.0	11.0-15.0	2	7.0	25.4	14.2	AIO-MMSCS-04CC	AIO-MMSCS-04CN
			8.0			AIO-MMSCS-04AC	AIO-MMSCS-04AN
			9.0			AIO-MMSCS-04DC	AIO-MMSCS-04DN
		3	8.0			AIO-MMSCS-04BC	AIO-MMSCS-04BN
			2x9.0-1x6.2			AIO-MMSCS-043AC	AIO-MMSCS-043AN
			6.0			AIO-MMSCS-04HC	AIO-MMSCS-04HN
		4	7.0			AIO-MMSCS-04IC	AIO-MMSCS-04IN
			8.0			AIO-MMSCS-04EC	AIO-MMSCS-04EN
			6.0			AIO-MMSCS-04FC	AIO-MMSCS-04FN
		5	5.0			AIO-MMSCS-04JC	AIO-MMSCS-04JN
			6.0			AIO-MMSCS-04KC	AIO-MMSCS-04KN
			4.0			AIO-MMSCS-04MC	AIO-MMSCS-04MN
		8	5.0			AIO-MMSCS-04NC	AIO-MMSCS-04NN
			3.0			AIO-MMSCS-04LC	AIO-MMSCS-04LN
			4.0			AIO-MMSCS-040C	AIO-MMSCS-040N
		9	8.0			AIO-MMSCS-041C	AIO-MMSCS-041N
			9.0			AIO-MMSCS-042C	AIO-MMSCS-042N
			7.5			AIO-MMSCS-043C	AIO-MMSCS-043N
18.0-25.0	12.0-20.0	2	8.0	30.4	14.0	AIO-MMSCS-045C	AIO-MMSCS-045N
			8.0			AIO-MMSCS-046C	AIO-MMSCS-046N
			8.5			AIO-MMSCS-046AC	AIO-MMSCS-046AN
		3	5.0			AIO-MMSCS-049C	AIO-MMSCS-049N
			6.0			AIO-MMSCS-047C	AIO-MMSCS-047N
			7.5			AIO-MMSCS-048C	AIO-MMSCS-048N
		4	10.0			AIO-MMSCS-051C	AIO-MMSCS-051N
			10.0			AIO-MMSCS-052C	AIO-MMSCS-052N
			2x10.8-1x7.0			AIO-MMSCS-052AC	AIO-MMSCS-052AN
		5	8.0			AIO-MMSCS-053C	AIO-MMSCS-053N
			8.0			AIO-MMSCS-054C	AIO-MMSCS-054N
			9.0			AIO-MMSCS-055C	AIO-MMSCS-055N
19.0-28.0	16.0-23.0	6	7.0	33.4	17.0	AIO-MMSCS-056C	AIO-MMSCS-056N
			6.0			AIO-MMSCS-057C	AIO-MMSCS-057N
			7.0			AIO-MMSCS-058C	AIO-MMSCS-058N
		8	6.0			AIO-MMSCS-059BC	AIO-MMSCS-059BN
			5.3			AIO-MMSCS-060AC	AIO-MMSCS-060AN
			5.3			AIO-MMSCS-060AC	AIO-MMSCS-060AN
		10	9.0			AIO-MMSCS-071C	AIO-MMSCS-071N
			8.0			AIO-MMSCS-072C	AIO-MMSCS-072N
			8.0			AIO-MMSCS-072C	AIO-MMSCS-072N
		12	9.0			AIO-MMSCS-082C	AIO-MMSCS-082N
			10.0			AIO-MMSCS-082AC	AIO-MMSCS-082AN
			11.0			AIO-MMSCS-083C	AIO-MMSCS-083N
22.0-32.0	20.0-26.0	8	9.0	40.0	16.8	AIO-MMSCS-083AC	AIO-MMSCS-083AN
			8.0			AIO-MMSCS-083AC	AIO-MMSCS-083AN
			8.0			AIO-MMSCS-083AC	AIO-MMSCS-083AN
			8.0			AIO-MMSCS-083AC	AIO-MMSCS-083AN
30.0-38.0	25.0-31.0	9	6x3.4-2x6.9-1x8.3	45.0	16.5	AIO-MMSCS-082C	AIO-MMSCS-082N
			6x3.6-1x7.9-1x7.2-1x9.2			AIO-MMSCS-082AC	AIO-MMSCS-082AN
			1x7.1-4x6.2-5x5.2-1x10.8			AIO-MMSCS-083C	AIO-MMSCS-083N
			5x6.0-5x5.0-1x10.5			AIO-MMSCS-083AC	AIO-MMSCS-083AN

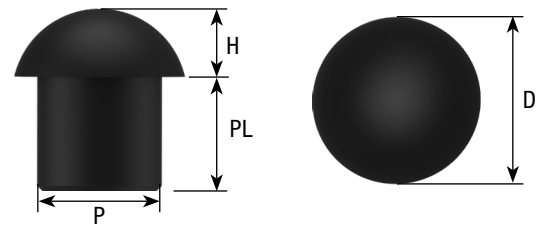
DOME PLUGS FOR INDUSTRIAL APPLICATIONS

Plugs for Sealing Cable Insert

- For standard industrial applications.
- Sealing of cable glands when no cable is used.

Technical Details

Material	PA 6 (Polyamide 6)	
Flammability	V2 acc. to UL94	
Operating Temperature	Permanent	Intermittent
	-20 °C to +100 °C	-30 °C to +150 °C



Size	Plug		Outer Ø	Max. Height	Dome Plug Fit Into Clamping Range Ø min-max				Part Number		
	Ø P (mm)	Length PL (mm)			Standard Seal (mm)	Reducing Seal (mm)	Double Seal (mm)	Outer Seal (mm)	RAL 7035 Light Gray	RAL 7001 Gray	RAL 9005 Black
9	4.0	12.0	9.2	4.0	-	2.0-5.0	2.0-6.5	-	AIO-BDPCS-09-11	AIO-BDPCS-09-01	AIO-BDPCS-09-21
	6.4	12.0	9.2	4.0	3.0-6.5	-	-	3.0-6.5	AIO-BDPCS-09-12	AIO-BDPCS-09-02	AIO-BDPCS-09-22
11	5.0	14.0	10.5	5.0	-	2.0-6.0	3.0-8.0	-	AIO-BDPCS-11-11	AIO-BDPCS-11-01	AIO-BDPCS-11-21
	8.0	13.7	10.5	4.7	4.0-8.0	-	-	4.0-8.0	AIO-BDPCS-11-12	AIO-BDPCS-11-02	AIO-BDPCS-11-22
13	7.0	15.0	13.3	5.7	-	3.0-7.0	3.0-10.0	-	AIO-BDPCS-13-11	AIO-BDPCS-13-01	AIO-BDPCS-13-21
	9.7	9.0	13.3	5.3	5.0-10.0	-	-	5.0-10.0	AIO-BDPCS-13-12	AIO-BDPCS-13-02	AIO-BDPCS-13-22
	9.7	15.0	13.3	5.7	5.0-10.0	-	-	5.0-10.0	AIO-BDPCS-13-12S	AIO-BDPCS-13-02S	AIO-BDPCS-13-22S
16	7.0	14.0	15.8	7.5	-	-	3.0-13.0	-	AIO-BDPCS-16-10	AIO-BDPCS-16-00	AIO-BDPCS-16-20
	8.5	13.0	15.8	7.7	-	5.0-9.0	5.0-12.0	-	AIO-BDPCS-16-11	AIO-BDPCS-16-01	AIO-BDPCS-16-21
	12.0	13.0	15.8	8.0	6.0-12.0	-	-	6.0-12.0	AIO-BDPCS-16-12	AIO-BDPCS-16-02	AIO-BDPCS-16-22
	13.0	14.0	15.8	7.5	7.0-13.0	-	-	7.0-13.0	AIO-BDPCS-16-13	AIO-BDPCS-16-03	AIO-BDPCS-16-23
18	11.0	13.5	18.0	8.5	-	7.0-12.0	7.0-14.0	-	AIO-BDPCS-18-11	AIO-BDPCS-18-01	AIO-BDPCS-18-21
	13.6	13.5	18.0	8.7	10.0-14.0	-	-	10.0-14.0	AIO-BDPCS-18-12	AIO-BDPCS-18-02	AIO-BDPCS-18-22
20	13.0	14.5	20.0	7.0	-	9.0-13.0	8.0-17.0	-	AIO-BDPCS-20-11	AIO-BDPCS-20-01	AIO-BDPCS-20-21
	16.4	14.5	19.9	7.3	11.0-17.0	-	-	11.0-17.0	AIO-BDPCS-20-12	AIO-BDPCS-20-02	AIO-BDPCS-20-22
22	14.0	14.0	22.0	9.5	-	11.0-15.0	9.0-18.0	-	AIO-BDPCS-22-11	AIO-BDPCS-22-01	AIO-BDPCS-22-21
	17.8	14.0	22.0	10.0	13.0-18.0	-	-	13.0-18.0	AIO-BDPCS-22-12	AIO-BDPCS-22-02	AIO-BDPCS-22-22
24	16.1	15.5	24.0	9.0	-	9.0-16.0	11.0-21.0	-	AIO-BDPCS-24-11	AIO-BDPCS-24-01	AIO-BDPCS-24-21
	20.4	15.5	24.1	9.2	15.0-21.0	-	-	15.0-21.0	AIO-BDPCS-24-12	AIO-BDPCS-24-02	AIO-BDPCS-24-22
29	19.7	15.0	28.5	9.7	-	12.0-20.0	13.0-25.0	-	AIO-BDPCS-29-11	AIO-BDPCS-29-01	AIO-BDPCS-29-21
	25.0	15.0	28.5	9.7	18.0-25.0	-	-	18.0-25.0	AIO-BDPCS-29-12	AIO-BDPCS-29-02	AIO-BDPCS-29-22
32	20.5	15.8	31.5	9.2	-	16.0-23.0	16.0-28.0	-	AIO-BDPCS-32-11	AIO-BDPCS-32-01	AIO-BDPCS-32-21
	27.3	15.8	31.5	9.2	19.0-28.0	-	-	19.0-28.0	AIO-BDPCS-32-12	AIO-BDPCS-32-02	AIO-BDPCS-32-22
37	25.7	17.0	36.8	10.7	-	20.0-26.0	20.0-32.0	-	AIO-BDPCS-37-11	AIO-BDPCS-37-01	AIO-BDPCS-37-21
	31.8	17.0	36.8	10.7	22.0-32.0	-	-	19.0-28.0	AIO-BDPCS-37-12	AIO-BDPCS-37-02	AIO-BDPCS-37-22
45	30.6	20.2	43.3	11.9	-	25.0-31.0	21.0-38.0	-	AIO-BDPCS-45-11	AIO-BDPCS-45-01	AIO-BDPCS-45-21
	38.0	20.2	43.3	11.9	30.0-38.0	-	-	30.0-38.0	AIO-BDPCS-45-12	AIO-BDPCS-45-02	AIO-BDPCS-45-22
52	34.6	22.5	51.0	16.0	-	29.0-35.0	27.0-44.0	-	AIO-BDPCS-52-11	AIO-BDPCS-52-01	AIO-BDPCS-52-21
	44.2	22.5	51.0	16.0	34.0-44.0	-	-	34.0-44.0	AIO-BDPCS-52-12	AIO-BDPCS-52-02	AIO-BDPCS-52-22

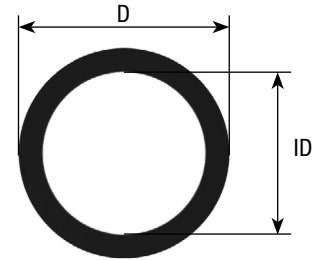
GASKETS (WASHERS)

Gaskets

•To ensure IP rating for rough surfaces or through holes.

Technical Details

Material	• CR (Chloroprene)
	• NBR
	• Silicone
	• Polyamide 6
	• Fiber



Gaskets (Washers) for Metric Size

For Thread Size Metric	Outer Ø	Inner Ø	Height	Part Number				
	D (mm)	ID (mm)	H (mm)	CR Black	NBR Black	Silicone Red	Polyamide White	Green
M12	15.5	10.3	1.5	AIO-BMCSSW-21C	AIO-BMCSSW-21N	AIO-BMCSSW-21SR	-	-
	15.5	12.1	1.5	-	-	-	AIO-BMCSSW-1PA	AIO-BMCSSW-1FB
M16	21.5	14.3	1.5	AIO-BMCSSW-22C	AIO-BMCSSW-22N	AIO-BMCSSW-22SR	-	-
	19.6	16.1	1.5	-	-	-	AIO-BMCSSW-2PA	AIO-BMCSSW-2FB
M20	26.0	18.5	1.5	AIO-BMCSSW-23C	AIO-BMCSSW-23N	AIO-BMCSSW-23SR	-	-
	23.8	20.1	1.5	-	-	-	AIO-BMCSSW-3PA	AIO-BMCSSW-3FB
M25	31.5	23.3	1.5	AIO-BMCSSW-24C	AIO-BMCSSW-24N	AIO-BMCSSW-24SR	-	-
	32.2	25.1	1.5	-	-	-	AIO-BMCSSW-4PA	AIO-BMCSSW-4FB
M32	38.5	30.5	1.5	AIO-BMCSSW-25C	AIO-BMCSSW-25N	AIO-BMCSSW-25SR	-	-
	39.8	32.1	1.5	-	-	-	AIO-BMCSSW-5PA	AIO-BMCSSW-5FB
M40	48.5	38.5	1.5	AIO-BMCSSW-26C	AIO-BMCSSW-26N	AIO-BMCSSW-26SR	-	-
	49.6	40.1	1.5	-	-	-	AIO-BMCSSW-6PA	AIO-BMCSSW-6FB
M50	58.0	48.0	1.5	AIO-BMCSSW-27C	AIO-BMCSSW-27N	AIO-BMCSSW-27SR	-	-
	62.0	50.2	1.5	-	-	-	AIO-BMCSSW-7PA	AIO-BMCSSW-7FB
M60	68.0	58.0	1.5	AIO-BMCSSW-28SC	AIO-BMCSSW-28SN	AIO-BMCSSW-28SSR	-	-
	72.0	60.2	1.5	-	-	-	AIO-BMCSSW-60PA	AIO-BMCSSW-60FB
M63	70.0	61.2	1.5	AIO-BMCSSW-28C	AIO-BMCSSW-28N	AIO-BMCSSW-28SR	-	-
	78.4	63.2	1.5	-	-	-	AIO-BMCSSW-8PA	AIO-BMCSSW-8FB
M70	83.0	68.0	1.5	AIO-BMCSSW-29SC	AIO-BMCSSW-29SN	AIO-BMCSSW-29SSR	-	-
	82.0	70.2	1.5	-	-	-	AIO-BMCSSW-70PA	AIO-BMCSSW-70FB
M75	88.0	72.5	1.5	AIO-BMCSSW-29C	AIO-BMCSSW-29N	AIO-BMCSSW-29SR	-	-
	93.4	75.2	1.5	-	-	-	AIO-BMCSSW-9PA	AIO-BMCSSW-9FB
M80	92.0	78.0	1.5	AIO-BMCSSW-29LC	AIO-BMCSSW-29LN	AIO-BMCSSW-29LSR	-	-
	98.0	80.2	1.5	-	-	-	AIO-BMCSSW-80PA	AIO-BMCSSW-80FB
M85	97.0	83.0	1.5	AIO-BMCSSW-30SC	AIO-BMCSSW-30SN	AIO-BMCSSW-30SSR	-	-
	103.0	85.2	1.5	-	-	-	AIO-BMCSSW-85PA	AIO-BMCSSW-85FB
M90	102.0	88.0	1.5	AIO-BMCSSW-30C	AIO-BMCSSW-30N	AIO-BMCSSW-30SR	-	-
	112.0	90.2	1.5	-	-	-	AIO-BMCSSW-10PA	AIO-BMCSSW-10FB
M100	112.0	98.0	1.5	AIO-BMCSSW-31SC	AIO-BMCSSW-31SN	AIO-BMCSSW-31SSR	-	-
	124.5	100.2	1.5	-	-	-	AIO-BMCSSW-11PA	AIO-BMCSSW-11FB
M110	122.0	108.0	1.5	AIO-BMCSSW-31C	AIO-BMCSSW-31N	AIO-BMCSSW-31SR	-	-
	134.0	110.2	2.0	-	-	-	AIO-BMCSSW-12PA	AIO-BMCSSW-12FB
M115	127.0	113.0	1.5	AIO-BMCSSW-31LC	AIO-BMCSSW-31LN	AIO-BMCSSW-31LSR	-	-
	139.0	115.2	2.0	-	-	-	AIO-BMCSSW-13PA	AIO-BMCSSW-13FB
M130	142.0	128.0	1.5	AIO-BMCSSW-33C	AIO-BMCSSW-33N	AIO-BMCSSW-33SR	-	-
	154.0	130.2	2.0	-	-	-	AIO-BMCSSW-14PA	AIO-BMCSSW-14FB

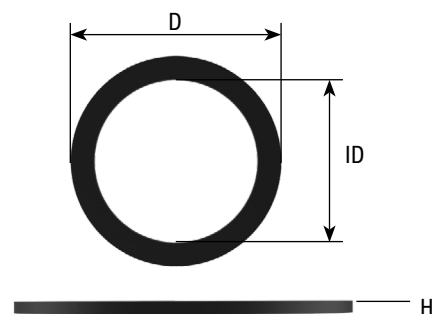
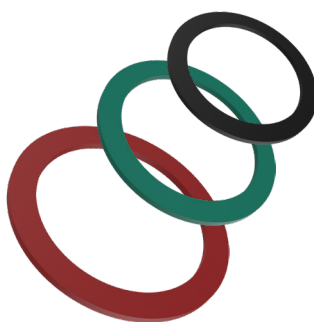
GASKETS (WASHERS)

Gaskets

To ensure IP rating for rough surfaces or through holes.

Technical Details

Material	• CR (Chloroprene)
	• NBR
	• Silicone
	• Polyamide 6
	• Fiber



Gaskets (Washers) for NPT and G Size

For Thread Size NPT	Outer Ø	Inner Ø	Height	Part Number				
	D (mm)	ID (mm)	H (mm)	CR Black	NBR Black	Silicone Red	Polyamide White	Green
NPT 1/4"	16.8	11.7	2.0	AIO-BFCSSW-0SC	AIO-BFCSSW-0SN	AIO-BFCSSW-0SSR	-	-
	17.5	13.8	1.5	-	-	-	AIO-BNCSSW-1PA	AIO-BNCSSW-1FB
NPT 3/8"	24.0	16.4	2.0	AIO-BFCSSW-01C	AIO-BFCSSW-01N	AIO-BFCSSW-01SR	-	-
	21.0	17.5	1.5	-	-	-	AIO-BNCSSW-2PA	AIO-BNCSSW-2FB
NPT 1/2"	29.0	20.4	2.0	AIO-BFCSSW-02C	AIO-BFCSSW-02N	AIO-BFCSSW-02SR	-	-
	25.0	21.5	1.5	-	-	-	AIO-BNCSSW-3PA	AIO-BNCSSW-3FB
NPT 3/4"	37.0	26.0	2.0	AIO-BFCSSW-03C	AIO-BFCSSW-03N	AIO-BFCSSW-03SR	-	-
	33.0	26.8	1.5	-	-	-	AIO-BNCSSW-4PA	AIO-BNCSSW-4FB
NPT 1"	45.0	32.6	2.0	AIO-BFCSSW-04C	AIO-BFCSSW-04N	AIO-BFCSSW-04SR	-	-
	40.5	33.5	1.5	-	-	-	AIO-BNCSSW-5PA	AIO-BNCSSW-5FB
NPT 1 1/4"	53.0	41.4	2.0	AIO-BFCSSW-05C	AIO-BFCSSW-05N	AIO-BFCSSW-05SR	-	-
	50.0	42.3	1.5	-	-	-	AIO-BNCSSW-6PA	AIO-BNCSSW-6FB
NPT 1 1/2"	61.0	47.2	2.0	AIO-BFCSSW-06C	AIO-BFCSSW-06N	AIO-BFCSSW-06SR	-	-
	60.0	48.4	1.5	-	-	-	AIO-BNCSSW-7PA	AIO-BNCSSW-7FB
NPT 2"	75.0	59.0	2.0	AIO-BFCSSW-07C	AIO-BFCSSW-07N	AIO-BFCSSW-07SR	-	-
	78.4	60.5	1.5	-	-	-	AIO-BNCSSW-8PA	AIO-BNCSSW-8FB
NPT 2 1/2"	85.0	73.2	1.5	-	-	-	AIO-BNCSSW-9PA	AIO-BNCSSW-9FB
NPT 3"	110.0	89.0	1.5	-	-	-	AIO-BNCSSW-10PA	AIO-BNCSSW-10FB
NPT 3 1/2"	125.0	101.8	1.5	-	-	-	AIO-BNCSSW-11PA	AIO-BNCSSW-11FB
NPT 4"	138.0	114.4	2.0	-	-	-	AIO-BNCSSW-12PA	AIO-BNCSSW-12FB
NPT 5"	165.0	141.5	2.0	-	-	-	AIO-BNCSSW-13PA	AIO-BNCSSW-13FB

Gaskets (Washers) for PG Size

For Thread Size PG	Outer Ø	Inner Ø	Height	Part Number				
	D (mm)	ID (mm)	H (mm)	CR Black	NBR Black	Silicone Red	Polyamide White	Green
PG 7	16.8	11.8	1.5	AIO-BSCSSW-01C	AIO-BSCSSW-01N	AIO-BSCSSW-01SR	-	-
	17.0	12.6	1.5	-	-	-	AIO-BSCSSW-1PA	AIO-BSCSSW-1FB
PG 9	21.8	14.5	1.5	AIO-BSCSSW-02C	AIO-BSCSSW-02N	AIO-BSCSSW-02SR	-	-
	20.0	15.3	1.5	-	-	-	AIO-BSCSSW-2PA	AIO-BSCSSW-2FB
PG 11	25.8	17.5	1.5	AIO-BSCSSW-03C	AIO-BSCSSW-03N	AIO-BSCSSW-03SR	-	-
	23.5	18.7	1.5	-	-	-	AIO-BSCSSW-3PA	AIO-BSCSSW-3FB
PG 13.5	27.8	19.8	1.5	AIO-BSCSSW-04C	AIO-BSCSSW-04N	AIO-BSCSSW-04SR	-	-
	27.5	20.5	1.5	-	-	-	AIO-BSCSSW-4PA	AIO-BSCSSW-4FB
PG 16	29.8	21.8	1.5	AIO-BSCSSW-05C	AIO-BSCSSW-05N	AIO-BSCSSW-05SR	-	-
	29.5	22.6	1.5	-	-	-	AIO-BSCSSW-5PA	AIO-BSCSSW-5FB
PG 21	35.8	27.0	1.5	AIO-BSCSSW-06C	AIO-BSCSSW-06N	AIO-BSCSSW-06SR	-	-
	35.5	28.4	1.5	-	-	-	AIO-BSCSSW-6PA	AIO-BSCSSW-6FB
PG 29	46.8	35.5	1.5	AIO-BSCSSW-07C	AIO-BSCSSW-07N	AIO-BSCSSW-07SR	-	-
	46.5	37.1	1.5	-	-	-	AIO-BSCSSW-7PA	AIO-BSCSSW-7FB
PG 36	59.0	45.5	1.5	AIO-BSCSSW-08C	AIO-BSCSSW-08N	AIO-BSCSSW-08SR	-	-
	57.5	47.2	1.5	-	-	-	AIO-BSCSSW-8PA	AIO-BSCSSW-8FB
PG 42	66.8	52.8	1.5	AIO-BSCSSW-09C	AIO-BSCSSW-09N	AIO-BSCSSW-09SR	-	-
	66.5	54.2	1.5	-	-	-	AIO-BSCSSW-9PA	AIO-BSCSSW-9FB
PG 48	71.8	57.8	1.5	AIO-BSCSSW-10C	AIO-BSCSSW-10N	AIO-BSCSSW-10SR	-	-
	72.0	59.5	1.5	-	-	-	AIO-BSCSSW-10PA	AIO-BSCSSW-10FB



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