

Cable glands

We offer a coordinated assortment of cable glands for a wide range of applications:

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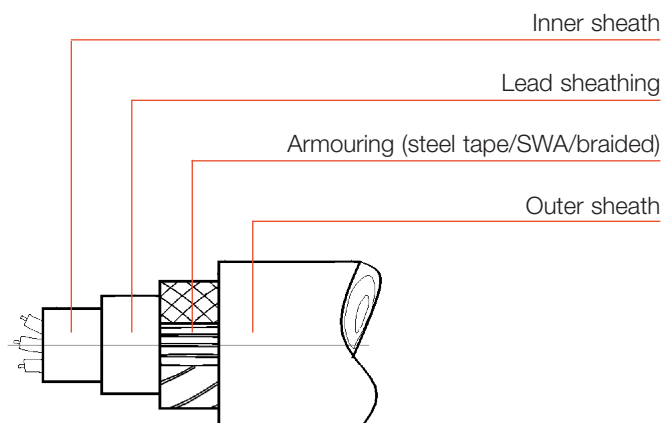
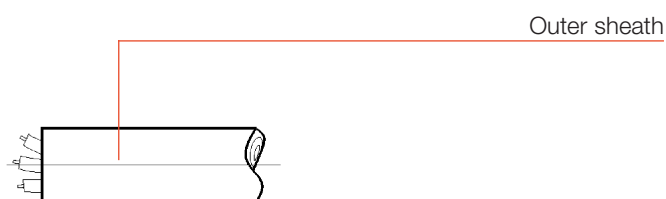
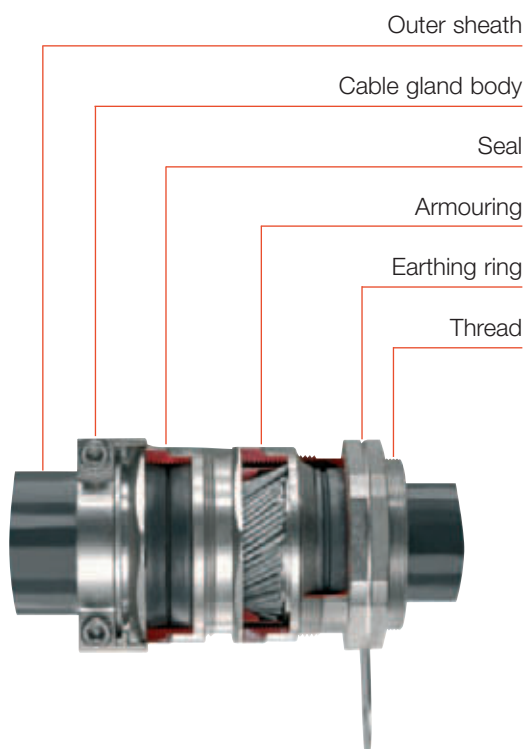
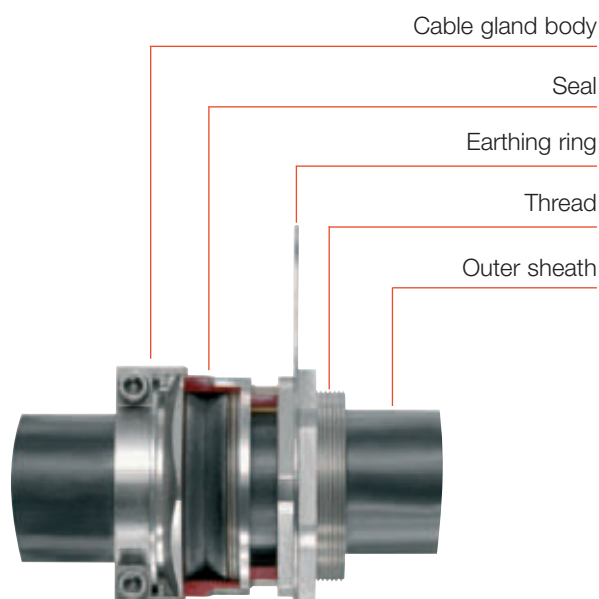
- Control units
- Cable glands made of plastic and brass
- EMC cable glands
- For hazardous areas in accordance with EN 50014, EN 50019 and ATEX
- VDE, CSA and UL approvals

Cable entries, for example, in enclosures for heavy-duty connectors, can be easily and safely accomplished.

The instructions for installation in hazardous areas comply with the standards CENELEC EN 50014 – 50018 – 50019

- Increased safety in accordance with EN 50019; screwed directly into the housing or utilising a locknut. Unused entries must be sealed with a certified blanking plug.
- Flameproof in accordance with EN 50018; screwed directly into the housing with five complete turns of the thread (approx. 8 mm). Unused entries must be sealed with a certified blanking plug.



Armoured cable**Non-armoured cable****Cable gland for armoured cable****Cable gland for non-armoured cable****Sealing materials used**

Material designation	Chemical designation	Trade names (examples)
TPE	Thermoplastic elastomer	Santopren
CR	Chloroprene rubber	Bayprene, Neoprene, Butaclor, Petro-Tex Neoprene, Denka
NBR, Silicone	Nitrile-butadiene rubber	Perbunan NT, Krynac, Europrene, Nipol N, Breon, Hycar, Chemigum, Elaprim, JSR-N
EPDM	Ethylene Propylene Diene Monomer	Keltan, Buna EP, Dutral, Vistalon, Nordel, APTK, Royalene, Epcar

Glands

The tables below provide an overview of the Weidmüller cable glands and the recommended accessories.

Standard glands

Material/Type	Approvals					Thread sealing rings			Locknuts			
	IP class of protection without seal	IP class of protection with seal	EX	EMC	Armou- ring	CSM GWDR...Po	CR GWDR...NP	O-Ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
Plastic												
 VG ... K67	IP67								●			
 VG ... K68	IP68 / 5 bar								●			
 VG ... K68 SKS	IP68 / 5 bar								●			
Nickel-plated brass												
 VG ... MS54	IP54	IP65				optional					●	
 VG ... MS68		IP68 / 5 bar						included			●	
 VG ... MS54-ZE	IP54	IP65				optional					●	
 VG ... EMV		IP68 / 10 bar		●				included				●
 VG ... 1/EMV		IP68 / 5 bar		●				included				●
Stainless steel glands on request												

Cable glands Ex

Material/Type	Approvals					Thread sealing rings			Locknuts			
	IP class of protection without seal	IP class of protection with seal	EX	EMC	Armou- ring	CSM GWDR...Po	CR GWDR...NP	O-Ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
Plastic Ex												
 VG ... Exe SW	IP66	IP68	EExe				optional			●		
 VG ... Exi BL	IP66	IP68	EExi				optional			●		
Nickel-plated brass Ex												
 VG ... Exe MS		IP68 / 20 bar	EExe					included			●	●
 VG ... 1/Exe/d MS		IP66, IP68 / 2.5 bar	EExe/d					included			●	●
 VG ... 1/Exe/d A MS		IP66, IP68 / 2.5 bar	EExe/d	●	●			included			●	●
Brass Ex												
 VG ... 1/Exe/d MSN		IP66, IP68 / 2.5 bar	EExe/d					included			●	●
 VG ... 1/Exe/d A MSN		IP66, IP68 / 2.5 bar	EExe/d	●	●			included			●	●
Stainless steel glands on request												

Adapters

Material/Type	Approvals		EX	Thread sealing rings			Locknuts			
	IP class of protection with seal			CSM GWDR...Po	CR GWDR...NP	O-Ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
Plastic										
 DAE M12 PA	IP66, IP68, IP69K					included				
 DAE M12 PA long	IP66, IP68, IP69K					included		●		
Plastic Ex										
 EWS ...	IP55		●	●						
Stainless steel										
 DAE M12 SS	IP66, IP68, IP69K					included			●	●
Stainless steel Ex										
 BD 1 ss, BD 2 ss	IP66									
Brass Ex										
 BD 1 ... , BD 2 ...	IP66									

Blanking plugs

Material/Type	Approvals		EX	Thread sealing rings			Locknuts			
	IP class of protection without seal	IP class of protection with seal		CSM GWDR...Po	CR GWDR...NP	O-Ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
Plastic										
 VP ... K54	IP54	IP66					●	●		
Nickel-plated brass										
 VP ... MS65		IP68				included			●	●
Plastic Ex										
 VP ... Eex SW	IP66	IP66, IP68	EExe		optional			●		
Nickel-plated brass Ex										
 VP ... Exe MS		IP68	EExe/d			included			●	●

Cable glands

The sizes given here were calculated for multicore cables.

Please note the clamping range of the cable gland selected.

Cross-section	No. of cores	appr. cable mm
0.5 mm²	2	5.7 – 8.7
AWG 20	3	6.0 – 9.0
	4	6.7 – 9.7
	5	7.2 – 10.2
	6	7.6 – 10.6
	7	8.0 – 10.6
	8	9.4 – 12.8
	10	9.4 – 12.8
	12	9.7 – 12.9
	14	10.2 – 13.4
	16	10.7 – 13.9
	21	12.3 – 15.1
	24	13.5 – 16.7
	30	14.3 – 17.5
	35	16.0 – 18.6
	40	16.6 – 19.2
	52	19.2 – 21.6
	61	20.3 – 23.1
	80	22.9 – 25.7
	100	26.4 – 29.6

Cross-section	No. of cores	appr. cable mm
0.75 mm²	2	6.8 – 9.8
AWG 18	3	7.2 – 9.7
	4	7.9 – 10.3
	5	8.9 – 10.9
	6	8.9 – 12.3
	7	9.6 – 12.3
	8	10.4 – 13.8
	9	10.7 – 13.9
	10	10.4 – 13.8
	12	10.7 – 13.9
	15	12.3 – 13.5
	18	13.0 – 16.2
	21	13.6 – 16.8
	25	15.9 – 18.5
	32	17.1 – 19.7
	40	19.0 – 21.4
	50	21.3 – 24.1
	61	22.6 – 25.4
	80	26.1 – 29.3
	100	29.4 – 33.0

Cross-section	No. of cores	appr. cable mm
1 mm²	2	7.1 – 10.1
AWG 16 – 18	3	7.5 – 10.1
	4	8.4 – 10.7
	5	9.2 – 11.4
	6	9.2 – 12.6
	7	9.2 – 12.6
	8	11.0 – 14.4
	9	11.8 – 15.2
	10	11.0 – 14.4
	12	11.8 – 14.6
	14	12.4 – 15.2
	16	13.0 – 16.2
	18	13.7 – 16.9
	20	14.4 – 17.6
	24	16.5 – 19.1
	25	16.9 – 19.5
	34	19.4 – 21.8
48	22.0 – 24.8	
56	23.2 – 26.0	
61	24.5 – 27.2	
80	27.7 – 30.9	
100	31.8 – 35.2	

Metric thread				
12	16	20		
12	16	20		
12	16	20		
	16	20		
	16	20		
	16	20		
	16	20	25	
	16	20	25	
	16	20	25	
		20	25	
		20	25	
		20	25	
		25	32	
		25	32	
		25	32	
		25	32	40
			32	40
			32	40
			32	40
			40	50

Metric thread			
12	16	20	
12	16	20	
12	16	20	
	16	20	
	16	20	25
	16	20	25
		20	25
		20	25
		20	25
		20	25
		20	25
		25	32
		25	32
		25	32
		25	32
		32	40
		32	40
			40
		40	50
		40	50

Metric thread			
12	16	20	
12	16	20	
	16	20	
	16	20	25
	16	20	25
	16	20	25
		20	25
		20	25 32
		20	25 32
		20	25 32
		20	25 32
		25	32
		25	32
		25	32 40
		25	32 40
		25	32 40
		32	40
			40
			40 50
			40 50
			40 50
			40 50 63

PG thread with onion gasket					
9					
9					
9	11				
9	11	13.5	16		
9	11	13.5	16		
9	11	13.5	16		
9	11	13.5	16		
9	11	13.5	16		
9	11	13.5	16		
	11	13.5	16		
		13.5	16	21	
		13.5	16	21	
			16	21	
				21	
				21	
				21	29
				21	29
					29 36
					29 36

PG thread with onion gasket				
9	11			
9	11			
9	11			
9	11	13.5	16	
9	11	13.5	16	
9	11	13.5	16	
	11	13.5	16	
	11	13.5	16	
	11	13.5	16	
	11	13.5	16	
		13.5	16	
		13.5	16	21
		13.5	16	21
			21	29
			21	29
			21	29
			21	29
			21	29
				36
				36
				36

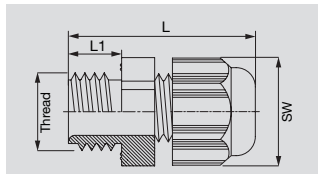
PG thread with onion gasket						
9	11					
9	11					
9	11	13.5				
9	11	13.5	16			
9	11	13.5	16			
9	11	13.5	16			
	11	13.5	16	21		
	11	13.5	16	21		
	11	13.5	16	21		
	11	13.5	16	21		
		13.5	16	21		
		13.5	16	21		
		13.5	16	21		
			16	21		
			21	29		
			21	29		
			21	29		
			21	29		
			21	29	36	
				29	36	
					36	
					36	42

Standard cable glands - plastic

Glands - plastic - IP67



Inexpensive alternative for industrial applications - without approvals



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / TPE
Temperature range	-20 °C ... 80 °C
Class of protection	IP 67

Note	Version with moulded sealing lip Length L varies depending on the cable diameter used
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Ordering data

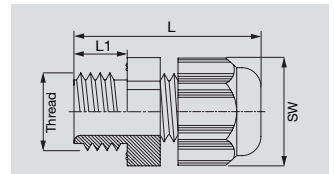
Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric						
VG M12-K67	M 12 x 1.5	3 - 6.5	23.9 / 8	15	100	1909660000
VG M16-K67	M 16 x 1.5	4 - 8	27.7 / 8	19	50	1909670000
VG M16-K67	M 16 x 1.5	5 - 10	29 / 10	22	50	1909680000
VG M20-K67	M 20 x 1.5	6 - 12	29.2 / 10	24	50	1909690000
VG M20-K67	M 20 x 1.5	10 - 14	32.8 / 10	27	50	1909700000
VG M25-K67	M 25 x 1.5	13 - 18	37.9 / 10	33	25	1909710000
VG M32-K67	M 32 x 1.5	18 - 25	40.7 / 10	42	20	1909720000
VG M40-K67	M 40 x 1.5	22 - 32	51.3 / 10	53	10	1909730000
VG M50-K67	M 50 x 1.5	30 - 38	53.5 / 18	60	10	1909740000
VG M63-K67	M 63 x 1.5	34 - 44	55 / 18	65	10	1909750000
PG						
VG PG7-K67	PG 7	3 - 6.5	23.9 / 8	15	100	1909760000
VG PG9-K67	PG 9	4 - 8	27.7 / 8	19	50	1909770000
VG PG11-K67	PG 11	5 - 10	29 / 8	22	50	1909780000
VG PG13,5-K67	PG 13.5	6 - 12	29.2 / 9	24	50	1909790000
VG PG16-K67	PG 16	10 - 14	32.8 / 9	27	50	1909800000
VG PG21-K67	PG 21	13 - 18	37.9 / 11	33	25	1909810000
VG PG29-K67	PG 29	18 - 25	40.7 / 11	42	20	1909820000
VG PG36-K67	PG 36	22 - 32	51.3 / 13	53	10	1909830000
VG PG42-K67	PG 42	30 - 38	53.5 / 13	60	10	1909840000
VG PG48-K67	PG 48	34 - 44	55 / 14	65	10	1909850000

no approvals

Glands - plastic - IP68



Plastic cable gland for industrial applications where class of protection IP 68 is called for.



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection	IP 68 - 5 bar
Standard	EN 50262 (for metric thread)

Note	Version with moulded sealing lip Length L varies depending on the cable diameter used
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Ordering data

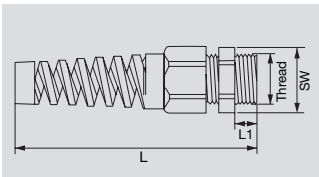
Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric						
VG M12-1/K68	M 12 x 1.5	3 - 6.5	32.4 / 8	15	100	1772280000
VG M16-1/K68	M 16 x 1.5	4.5 - 10	35.7 / 10	22	50	1909860000
VG M20-1/K68	M 20 x 1.5	6 - 12	41.2 / 10	24	50	1772300000
VG M25-1/K68	M 25 x 1.5	11 - 17	43.2 / 8	29	25	1909870000
VG M32-1/K68	M 32 x 1.5	15 - 21	50.7 / 10	36	20	1909880000
VG M40-1/K68	M 40 x 1.5	19 - 28	55.2 / 10	46	10	1909890000
VG M50-1/K68	M 50 x 1.5	27 - 38	70.3 / 18	60	10	1909900000
VG M63-1/K68	M 63 x 1.5	34 - 44	72.9 / 18	65	10	1772350000
PG						
VG 7-K68	PG 7	3 - 6.5	30.5 / 8	15	100	1568970000
VG 9-K68	PG 9	4 - 8	34 / 8	19	50	1568980000
VG 11-K68	PG 11	5 - 10	37 / 8	22	50	1568990000
VG 13,5-K68	PG 13.5	6 - 12	39 / 9	24	50	1569000000
VG 16-K68	PG 16	10 - 14	42.5 / 10	27	50	1569010000
VG 21-K68	PG 21	13 - 18	48 / 11	33	25	1569020000
VG 29-K68	PG 29	18 - 25	53 / 11	42	20	1569030000
VG 36-K68	PG 36	22 - 32	65 / 13	53	10	1569040000
VG 42-K68	PG 42	30 - 38	68 / 13	60	10	1569050000
VG 48-K68	PG 48	34 - 44	69 / 14	65	10	1718770000

VDE for metric version

Glands - plastic - SKS



Plastic gland with spiral antikink protection especially for flexible connections



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection	IP 68 - 5 bar
Standard	EN 50262 (for metric thread)

Note	Version with moulded sealing lip Length L varies depending on the cable diameter used
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Ordering data

Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric						
VG M12-K68 SKS	M 12 x 1.5	3 - 6.5	66.5 / 8	15	100	1776700000
VG M16-K68 SKS	M 16 x 1.5	5 - 10	80 / 10	22	50	1776710000
VG M20-K68 SKS	M 20 x 1.5	6 - 12	106 / 11	24	50	1778860000
VG M20-K68 SKS	M 20 x 1.5	10 - 14	106 / 15	27	50	1776720000
VG M25-K68 SKS	M 25 x 1.5	13 - 18	129 / 15	33	25	1776730000
PG						
VG 7-K68 SKS	PG 7	3 - 6.5	62 / 8	15	50	1720470000
VG 9-K68 SKS	PG 9	4 - 8	78 / 8	19	50	1720480000
VG 11-K68 SKS	PG 11	5 - 10	84 / 8	22	100	1720490000
VG 13,5-K68 SKS	PG 13.5	6 - 12	105 / 9	24	50	1720500000
VG 16-K68 SKS	PG 16	10 - 14	117 / 10	27	25	1720510000
VG 21-K68 SKS	PG 21	13 - 18	130 / 11	33	20	1720520000

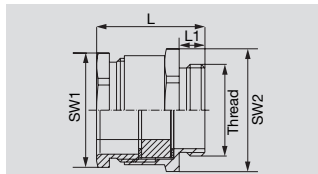
VDE for metric version

Standard cable glands - brass

Glands - brass - IP54



Brass cable gland for industrial applications



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / soft rubber
Temperature range	-20 °C ... 60 °C
Class of protection / with GWDR	IP 54 / IP 65
Standard	DIN 46320 / C4

Note	Optional sealing ring Length L varies depending on the cable diameter used.
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Ordering data

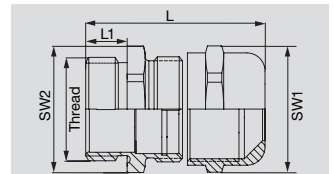
Type	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VG M12-MS54	M 12 x 1.5	5 - 7	21.5 / 6	14 / 13	100	1778410000
VG M12-MS54	M 12 x 1.5	6 - 8	22 / 6	17 / 15	100	1778400000
VG M16-MS54	M 16 x 1.5	8 - 10	26 / 6	20 / 18	100	1778390000
VG M20-MS54	M 20 x 1.5	8 - 10	26.5 / 6.5	22 / 18	50	1778380000
VG M20-MS54	M 20 x 1.5	10 - 12	26.5 / 6.5	22 / 20	50	1778370000
VG M25-MS54	M 25 x 1.5	12 - 14	27.5 / 7	27 / 22	50	1778360000
VG M25-MS54	M 25 x 1.5	15 - 17	29.5 / 7	30 / 28	50	1778350000
VG M32-MS54	M 32 x 1.5	24 - 26	33 / 8	40 / 38	25	1778340000
VG M40-MS54	M 40 x 1.5	28 - 30	33 / 8	43 / 37	25	1778330000
VG M50-MS54	M 50 x 1.5	31 - 33	39 / 9	55 / 47	10	1778320000
VG M50-MS54	M 50 x 1.5	39 - 41	43 / 9	57 / 54	5	1778310000
VG M63-MS54	M 63 x 1.5	45 - 47	45 / 10	68 / 60	5	1778300000
PG						
VG 7-MS54	PG 7	5 - 7	20.5 / 5	14 / 13	100	0521500000
VG 9-MS54	PG 9	6 - 8	22 / 6	17 / 15	100	0261500000
VG 11-MS54	PG 11	8 - 10	26 / 6	20 / 18	50	0260700000
VG 13,5-MS54	PG 13.5	10 - 12	26 / 6.5	22 / 20	50	0260800000
VG 16-MS54	PG 16	12 - 14	27 / 6.5	24 / 22	50	0261400000
VG 21-MS54	PG 21	15 - 17	29.5 / 7	30 / 28	50	0260900000
VG 29-MS54	PG 29	24 - 26	33 / 8	40 / 37	25	0261000000
VG 36-MS54	PG 36	33 - 35	39 / 9	50 / 47	20	0497600000
VG 42-MS54	PG 42	41 - 43	44 / 10	57 / 54	10	0497700000
VG 48-MS54	PG 48	45 - 47	45 / 10	64 / 60	5	1718780000

Further versions on request

Glands - brass - IP68



Brass cable gland for industrial applications where class of protection IP 68 is called for.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	IP 68 / IP 68 - 5 bar

Note	Length L varies according to cable diameter used
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Ordering data

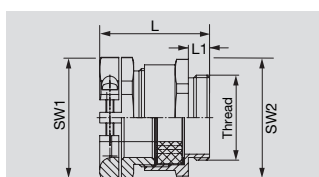
Type	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VG M12-1/MS68	M 12 x 1.5	3 - 6.5	27.2 / 5	14	50	1772200000
VG M16-1/MS68	M 16 x 1.5	4.5 - 10	37.3 / 7.5	20	50	1909910000
VG M20-1/MS68	M 20 x 1.5	6 - 12	32 / 8	22	50	1772200000
VG M25-1/MS68	M 25 x 1.5	11 - 17	42 / 8	27	25	1909920000
VG M32-1/MS68	M 32 x 1.5	15 - 21	45 / 8	34	20	1909930000
VG M40-1/MS68	M 40 x 1.5	19 - 28	55.1 / 9	43	20	1909940000
VG M50-1/MS68	M 50 x 1.5	27 - 38	62.2 / 9	58	12	1909950000
VG M63-1/MS68	M 63 x 1.5	34 - 44	63.6 / 14	68 / 64	12	1772270000
PG						
VG 7-MS68	PG 7	3 - 6.5	23 / 5	14	50	1569060000
VG 9-MS68	PG 9	4 - 8	27 / 6	17	50	1569070000
VG 11-MS68	PG 11	5 - 10	28.5 / 6	20	50	1569080000
VG 13,5-MS68	PG 13.5	6 - 12	29.5 / 6.5	22	50	1569090000
VG 16-MS68	PG 16	10 - 14	29.5 / 6.5	24	25	1569100000
VG 21-MS68	PG 21	13 - 18	33.5 / 7	30	25	1569110000
VG 29-MS68	PG 29	18 - 25	37.5 / 8	40	20	1569120000
VG 36-MS68	PG 36	22 - 32	45 / 9	50	15	1569130000
VG 42-MS68	PG 42	30 - 38	47.5 / 10	58	12	1569140000
VG 48-MS68	PG 48	34 - 44	50.5 / 10	64	12	1718790000

Further versions on request
VDE for metric versions

Glands - brass - ZE



Brass cable gland with external concentric strain relief by means of clamping jaws



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 90 °C
Class of protection / with GWDR	IP 54 / IP 65

Note	Optional sealing ring Length L varies depending on the cable diameter used.
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Ordering data

Type	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VG M12-MS54 ZE	M 12 x 1.5	5 - 7	21.5 / 6	14	100	1778420000
VG M16-MS54 ZE	M 16 x 1.5	4 - 9.5	26 / 6	18	100	1778440000
VG M20-MS54 ZE	M 20 x 1.5	6 - 11.5	26.5 / 6.5	22	50	1778450000
VG M20-MS54 ZE	M 20 x 1.5	6 - 13.5	26.5 / 6.5	22	50	1778460000
VG M25-MS54 ZE	M 25 x 1.5	9 - 21.5	29.5 / 7	30	50	1778480000
VG M32-MS54 ZE	M 32 x 1.5	17 - 29.5	33 / 8	39	25	1778490000
VG M40-MS54 ZE	M 40 x 1.5	23 - 36.5	33 / 8	43	25	1778500000
VG M50-MS54 ZE	M 50 x 1.5	29 - 42.5	43 / 9	57	5	1778520000
VG M63-MS54 ZE	M 63 x 1.5	35 - 46.5	45 / 10	68	5	1778530000
PG						
VG 7-MS54-ZE	PG 7	5 - 7	27 / 5	14 / 16	50	1718800000
VG 9-MS54-ZE	PG 9	4 - 11	30.5 / 6	17 / 19	50	1718810000
VG 11-MS54-ZE	PG 11	6 - 13	31.5 / 6	20 / 22	50	1718820000
VG 13,5-MS54-ZE	PG 13.5	6 - 13	32 / 6.5	22 / 24	50	1718830000
VG 16-MS54-ZE	PG 16	6 - 16	33 / 6.5	24 / 27	50	1718840000
VG 21-MS54-ZE	PG 21	9 - 20	38 / 7	30 / 34	50	1718850000
VG 29-MS54-ZE	PG 29	17 - 28	43 / 8	40 / 42	25	1718860000
VG 36-MS54-ZE	PG 36	23 - 34	49.5 / 9	50 / 52	10	1718870000
VG 42-MS54-ZE	PG 42	29 - 40	53.5 / 10	57 / 62	5	1718880000
VG 48-MS54-ZE	PG 48	35 - 46	55 / 10	64 / 68	5	1718890000

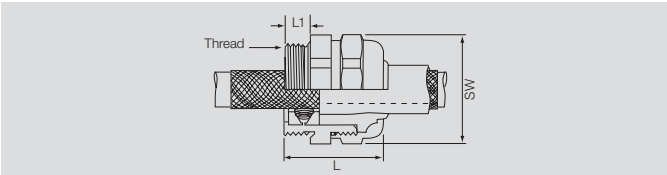
Further versions on request

EMC cable glands

Glands - brass - EMV



Brass cable gland for shielding against interference frequencies with a screening attenuation of up to 100 dB. Contact with cable shield by means of spring washer.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	/ TPE-V
Temperature range	-40 °C ... 135 °C
Class of protection / with GWDR	IP 68 / IP 68 - 10 bar

Note Length L varies according to cable diameter used

Ordering data

Type	Thread-size	KB	Shield dia.	L/L1	SW	Qty.	Order No.
metric							
VG M18-MS EMV	M 18 x 1.5	6.5 - 9	3.5 - 7.5	41 / 10	24	5	1706920000
VG M20-MS EMV	M 20 x 1.5	8 - 11	4 - 8.5	41 / 10	24	5	1706940000
VG M24-MS EMV	M 24 x 1.5	14 - 18	8 - 13	43 / 11	30	5	1706930000
VG M25-MS EMV	M 25 x 1.5	14 - 18	8 - 13.5	43 / 11	30	5	1706950000
PG							
VG PG7/9-MS EMV	PG 7	4 - 6.5	1.5 - 4	32 / 5	17	20	1713870000
VG PG9/11-MS EMV	PG 9	6.5 - 9.5	2.5 - 6	34 / 6	20	50	1706860000
VG PG11-MS EMV	PG 11	6.5 - 9	3.5 - 7.5	41 / 10	24	20	1706870000
VG PG13,5-MS EMV	PG 13.5	8 - 11	4 - 8.5	41 / 10	24	10	1706880000
VG PG16-MS EMV	PG 16	10 - 14	8 - 13	43 / 11	30	25	1706890000
VG PG16-MS EMV	PG 16	14 - 18	8 - 13	43 / 11	30	10	1713880000
VG PG21-MS EMV	PG 21	17 - 20	12.5 - 17.5	45 / 11	35	10	1706900000
VG PG21-MS EMV	PG 21	17 - 20	12.5 - 17.5	45 / 11	35	10	1713890000
VG PG29-MS EMV	PG 29	22 - 26	15 - 21	52 / 13	40	5	1706910000
VG PG29-MS EMV	PG 29	25 - 29	22 - 25	58 / 13	50	5	1713900000
VG PG36-MS EMV	PG 36	27 - 32	24 - 30.5	54 / 9	50	10	1770410000

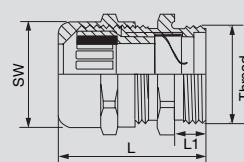
Further versions on request

Glands - brass - 1/EMC



n

Brass cable gland for shielding against interference frequencies with a screening attenuation of up to 90 dB. Multiple contact with cable shield by means of contact element.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	/ CR
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	- / IP 68 - 5 bar

Note Length L varies according to cable diameter used

Ordering data

Type	Thread-size	KB	Shield dia.	L/L1	SW	Qty.	Order No.
metric							
VG M12-MS 1/EMV	M 12 x 1.5	3 - 6.5	-	28.5 / 6	14	50	1909490000
VG M16-MS 1/EMV	M 16 x 1.5	4.5 - 10	-	37.3 / 7	20	50	1909500000
VG M20-MS 1/EMV	M 20 x 1.5	6 - 12	-	38.8 / 8	22	50	1909510000
VG M25-MS 1/EMV	M 25 x 1.5	11 - 17	-	42 / 8	27	25	1909520000
VG M32-MS 1/EMV	M 32 x 1.5	15 - 21	-	45 / 8	34	20	1909530000
VG M40-MS 1/EMV	M 40 x 1.5	19 - 28	-	55.1 / 9	43	10	1909540000
VG M50-MS 1/EMV	M 50 x 1.5	27 - 38	-	62.2 / 9	58	10	1909550000
VG M63-MS 1/EMV	M 63 x 1.5	34 - 44	-	71.5 / 14	64	5	1909560000

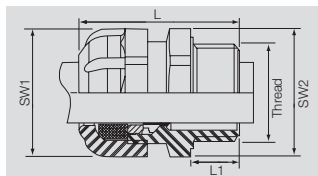
Further versions on request

Cable glands for Ex applications - plastic

Glands - plastic - EEx e, IP 66 / IP 68



Black plastic cable gland with integral strain relief - especially for Ex applications. Complete with integral membrane seal for clean transportation and storage.



Technical data

Material / colour	Polyamide / RAL 9005
Sealing ring / Sealing insert	- / TPE
Temperature range	-20 °C ... 80 °C
Class of protection / with GWDR	IP 66 / IP 68
Approval	EEx e II; Ⓜ II 2 GD
Test certificate	LCIE 97ATEX6007 X

Note Optional sealing ring
Length L varies depending on the cable diameter used.

Ordering data

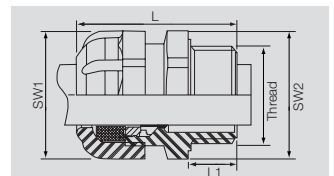
Type	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VG M16-EXE SW	M 16 x 1.5	5 - 8	34 / 12	19	20	1737280000
VG M20-EXE SW	M 20 x 1.5	8 - 13	35 / 12	24	20	1737290000
VG M25-EXE SW	M 25 x 1.5	13 - 19	42 / 13	32	20	1737300000
VG M32-EXE SW	M 32 x 1.5	17 - 25	44 / 15	41	10	1737310000
VG M40-EXE SW	M 40 x 1.5	24 - 32	50 / 15	52	10	1737320000
VG M50-EXE SW	M 50 x 1.5	29 - 38	56 / 16	59	5	1737330000
VG M63-EXE SW	M 63 x 1.5	36 - 44	58 / 16	65	5	1737340000
PG						
VG 7-EXE SW	PG 7	3.5 - 6	27 / 9	15	50	1569360000
VG 9-EXE SW	PG 9	5 - 8	31 / 9	19	20	1490500000
VG 11-EXE SW	PG 11	6 - 10	31 / 9	22	20	1490600000
VG 13,5-EXE SW	PG 13.5	8 - 13	33 / 10	24	20	1490700000
VG 16-EXE SW	PG 16	10 - 15	33 / 10	26	20	1490800000
VG 21-EXE SW	PG 21	13 - 19	40 / 11	32	20	1490900000
VG 29-EXE SW	PG 29	17 - 25	41 / 12	41	10	1491000000
VG 36-EXE SW	PG 36	24 - 32	49 / 14	52	10	1491100000
VG 42-EXE SW	PG 42	28 - 38	56 / 16	59	10	1491200000
VG 48-EXE SW	PG 48	34 - 44	60 / 16	65	5	1718970000

Further versions on request

Glands - plastic - EEx i, IP 66 / IP 68



Blue plastic gland with integral strain relief - especially for Ex applications. Complete with integral membrane seal for clean transportation and storage.



Technical data

Material / colour	Polyamide / RAL 5012
Sealing ring / Sealing insert	- / TPE
Temperature range	-20 °C ... 80 °C
Class of protection / with GWDR	IP 66 / IP 68
Approval	EEx e II; Ⓜ II 2 GD
Test certificate	LCIE 97ATEX6007 X

Note Optional sealing ring
Length L varies depending on the cable diameter used.

Ordering data

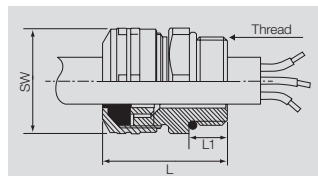
Type	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VG M16-EXI BL	M 16 x 1.5	5 - 8	34 / 12	19	20	1737350000
VG M20-EXI BL	M 20 x 1.5	8 - 13	35 / 12	24	20	1737360000
VG M25-EXI BL	M 25 x 1.5	13 - 19	42 / 13	32	20	1737370000
VG M32-EXI BL	M 32 x 1.5	17 - 25	44 / 15	41	10	1737380000
VG M40-EXI BL	M 40 x 1.5	24 - 32	50 / 15	52	10	1737390000
VG M50-EXI BL	M 50 x 1.5	29 - 38	56 / 16	59	5	1737400000
VG M63-EXI BL	M 63 x 1.5	36 - 44	58 / 16	65 / 67	5	1737410000
PG						
VG 7-EXI BL	PG 7	3.5 - 6	27 / 9	15	50	1569370000
VG 9-EXI BL	PG 9	5 - 8	31 / 9	19	20	1491300000
VG 11-EXI BL	PG 11	6 - 10	31 / 9	22	20	1491400000
VG 13,5-EXI BL	PG 13.5	8 - 13	33 / 10	24	20	1491500000
VG 16-EXI BL	PG 16	10 - 15	33 / 10	26	20	1491600000
VG 21-EXI BL	PG 21	13 - 19	40 / 11	32	20	1491700000
VG 29-EXI BL	PG 29	17 - 25	41 / 12	41	10	1491800000
VG 36-EXI BL	PG 36	24 - 32	49 / 14	52	10	1491900000
VG 42-EXI BL	PG 42	28 - 38	56 / 16	59	10	1492000000
VG 48-EXI BL	PG 48	34 - 44	60 / 16	65	5	1718980000

Further versions on request

Glands - brass - EEx e, IP 68



Brass cable gland for use in Ex applications EEx i und EEx e



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	IP 66 / IP 68 - 20 bar
Approval	EEx e II; Ⓜ II 2 GD
Test certificate	LCIE 97ATEX6005 X

Note Length L varies according to cable diameter used

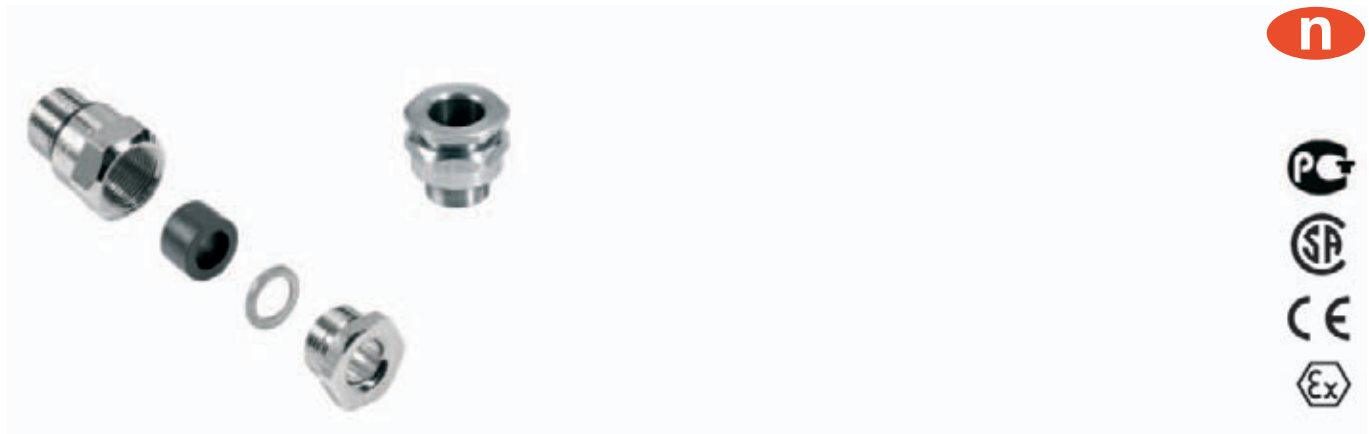
Ordering data

Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric						
VG M16-EXE MS	M 16 x 1.5	7 - 11	28 / 8	22	50	1737210000
VG M20-EXE MS	M 20 x 1.5	8.5 - 13	28 / 8	24	50	1737220000
VG M25-EXE MS	M 25 x 1.5	13.5 - 18	33 / 9	30	20	1737230000
VG M32-EXE MS	M 32 x 1.5	17.5 - 25	38 / 10	41	20	1737240000
VG M40-EXE MS	M 40 x 1.5	24.5 - 33.5	49 / 11	52	10	1737250000
VG M50-EXE MS	M 50 x 1.5	33 - 43	54 / 12	63	5	1737260000
VG M63-EXE MS	M 63 x 1.5	43.5 - 55	60 / 13	77	5	1737270000
PG						
VG 7-EXE MS	PG 7	4 - 8	24 / 7	18	50	1718990000
VG 9-EXE MS	PG 9	6 - 11	28 / 8	22	50	1719000000
VG 11-EXE MS	PG 11	7.5 - 13	28 / 8	24	50	1719010000
VG 13,5-EXE MS	PG 13.5	7.5 - 13	32 / 8	24	50	1719020000
VG 16-EXE MS	PG 16	12.5 - 18	33 / 9	30	25	1719030000
VG 21-EXE MS	PG 21	17.5 - 23.5	38 / 10	41	20	1719040000
VG 29-EXE MS	PG 29	24.5 - 31.5	49 / 11	52	20	1719050000
VG 36-EXE MS	PG 36	33 - 40.5	54 / 12	63	10	1719060000
VG 42-EXE MS	PG 42	33 - 43	54 / 12	63	10	1719070000
VG 48-EXE MS	PG 48	33 - 43	60 / 13	77	5	1719080000

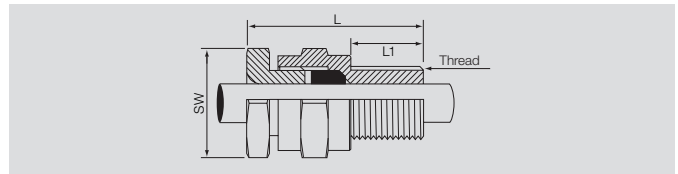
Further versions - also in stainless steel - available on request

Cable glands for Ex applications - brass

Glands - brass - EEx e, EEx d, IP 66 / IP 68, for non-armoured cable



EEx e and EEx d brass cable gland for non-armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	/ NBR
Temperature range	-20 °C ... 85 °C
Class of protection / with GWDR	- / IP 66, IP 68 - 2.5 bar
Approval	EEx e II; EEx d IIC; Ⓢ II 2 GD
Test certificate	SIRA 01ATEX1272X
Note	Length L varies according to cable diameter used.

Ordering data

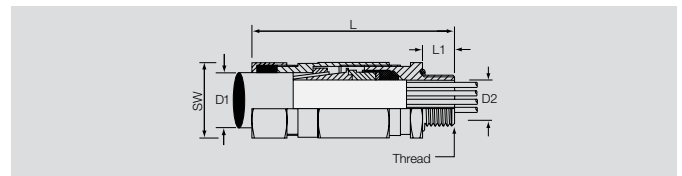
Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric, brass						
VG M16-1/EEx/d MSN	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1909380000
VG M20-1/EEx/d MSN	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1909390000
VG M20-1/EEx/d MSN	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1909400000
VG M20-1/EEx/d MSN	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1909410000
VG M25-1/EEx/d MSN	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1909420000
VG M32-1/EEx/d MSN	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1909430000
VG M40-1/EEx/d MSN	M 40 x 1.5	23 - 32.2	53 / 16	55	1	1909440000
VG M50-1/EEx/d MSN	M 50 x 1.5	28.2 - 38.2	53 / 16	65	1	1909450000
VG M50-1/EEx/d MSN	M 50 x 1.5	33.2 - 44.1	53 / 16	65	1	1909460000
VG M63-1/EEx/d MSN	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1909470000
VG M63-1/EEx/d MSN	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1909480000
metric, nickel-plated brass						
VG M16-1/EEx/d MS	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1911510000
VG M20-1/EEx/d MS	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1911530000
VG M20-1/EEx/d MS	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1911540000
VG M20-1/EEx/d MS	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1911560000
VG M25-1/EEx/d MS	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1911570000
VG M32-1/EEx/d MS	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1911580000
VG M40-1/EEx/d MS	M 40 x 1.5	23 - 32.2	53 / 16	55	1	1911590000
VG M50-1/EEx/d MS	M 50 x 1.5	28.2 - 38.2	53 / 16	65	1	1911600000
VG M50-1/EEx/d MS	M 50 x 1.5	33.2 - 44.1	53 / 16	65	1	1911610000
VG M63-1/EEx/d MS	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1911620000
VG M63-1/EEx/d MS	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1911630000

Further versions - also in stainless steel - available on request

Glands - brass - EEx e, EEx d, IP 66 / IP 68, for armoured cable



EEx e and EEx d brass cable gland for armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	/ NBR
Temperature range	-20 °C ... 85 °C
Class of protection / with GWDR	- / IP 66, IP 68 - 2.5 bar
Approval	EEx e II; EEx d IIC; Ⓢ II 2 GD
Test certificate	BAS01ATEX2271X
Note	Length L varies according to cable diameter used.

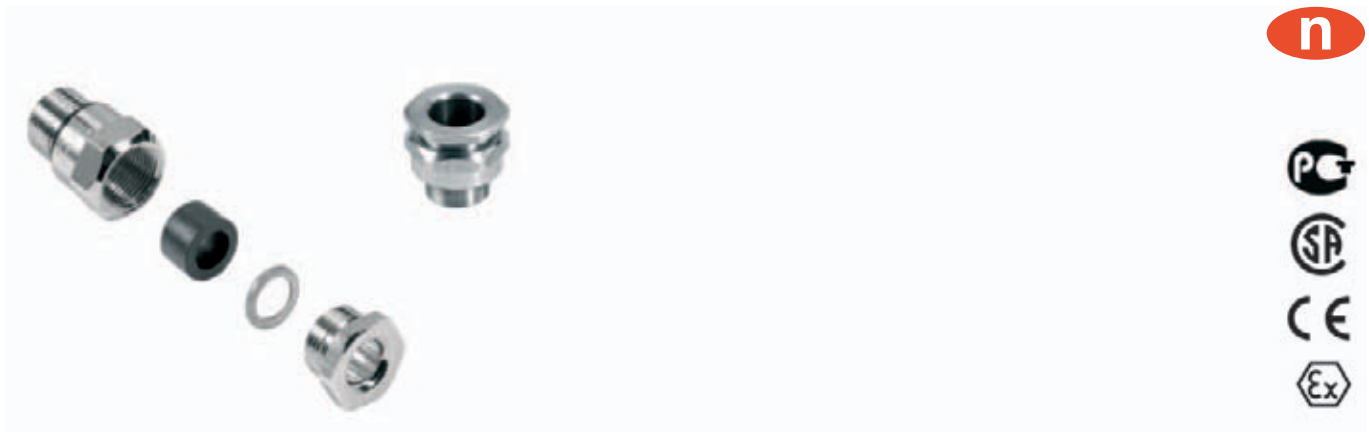
Ordering data

Type	Thread-size	D1 cable O.D.	Armour	D2 cable I.D.	L/L1	SW	Qty.	Order No.
metric, brass								
VG M20-1/Exe/d A MSN	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1909260000
VG M20-1/Exe/d A MSN	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1909290000
VG M20-1/Exe/d A MSN	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1909300000
VG M25-1/Exe/d A MSN	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1909310000
VG M32-1/Exe/d A MSN	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1909320000
VG M40-1/Exe/d A MSN	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1909330000
VG M50-1/Exe/d A MSN	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1909340000
VG M50-1/Exe/d A MSN	M 50 x 1.5	45.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1909350000
VG M63-1/Exe/d A MSN	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1909360000
VG M63-1/Exe/d A MSN	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1909370000
metric, nickel-plated brass								
VG M20-1/Exe/d A MS	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1911380000
VG M20-1/Exe/d A MS	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1911390000
VG M20-1/Exe/d A MS	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1911400000
VG M25-1/Exe/d A MS	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1911420000
VG M32-1/Exe/d A MS	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1911430000
VG M40-1/Exe/d A MS	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1911440000
VG M50-1/Exe/d A MS	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1911450000
VG M50-1/Exe/d A MS	M 50 x 1.5	45.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1911460000
VG M63-1/Exe/d A MS	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1911480000
VG M63-1/Exe/d A MS	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1911490000

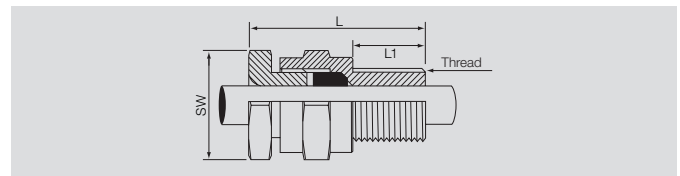
Further versions - also in stainless steel - available on request

Cable glands for Ex applications - brass

Glands - brass - EEx e, EEx d, IP 66 / IP 68, for non-armoured cable



EEx e and EEx d brass cable gland for non-armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	Silicone / NBR
Temperature range	-60 °C ... +180 °C
Class of protection / with GWDR	- / IP 66, IP 68 - 2.5 bar
Approval	EEx e II; EEx d IIC; Ⓢ II 2 GD
Test certificate	SIRA 01ATEX1272X
Note	Length L varies according to cable diameter used.

Ordering data

Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric, brass						
VG M16-1/Exe/d HT MSN	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1926030000
VG M20-1/Exe/d HT MSN	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1926040000
VG M20-1/Exe/d HT MSN	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1926050000
VG M20-1/Exe/d HT MSN	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1926060000
VG M25-1/Exe/d HT MSN	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1926070000
VG M32-1/Exe/d HT MSN	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1926080000
VG M40-1/Exe/d HT MSN	M 40 x 1.5	23 - 32.2	53 / 16	55	1	1926090000
VG M50-1/Exe/d HT MSN	M 50 x 1.5	28.2 - 38.2	53 / 16	65	1	1926100000
VG M50-1/Exe/d HT MSN	M 50 x 1.5	33.2 - 44.1	53 / 16	65	1	1926110000
VG M63-1/Exe/d HT MSN	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1926120000
VG M63-1/Exe/d HT MSN	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1926130000
metric, nickel-plated brass						
VG M16-1/Exe/d HT MS	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1932910000
VG M20-1/Exe/d HT MS	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1932940000
VG M20-1/Exe/d HT MS	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1932960000
VG M20-1/Exe/d HT MS	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1932970000
VG M25-1/Exe/d HT MS	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1932980000
VG M32-1/Exe/d HT MS	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1932990000
VG M40-1/Exe/d HT MS	M 40 x 1.5	23 - 32.2	53 / 16	55	1	1933000000
VG M50-1/Exe/d HT MS	M 50 x 1.5	28.2 - 38.2	53 / 16	65	1	1933010000
VG M50-1/Exe/d HT MS	M 50 x 1.5	33.2 - 44.1	53 / 16	65	1	1933020000
VG M63-1/Exe/d HT MS	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1933030000
VG M63-1/Exe/d HT MS	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1933040000

Further versions - also in stainless steel - available on request

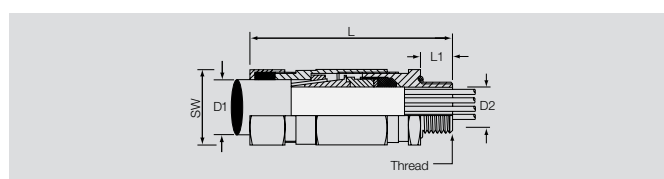
Glands - brass - EEx e, EEx d, IP 66 / IP 68, for armoured cable



n



EEx e and EEx d brass cable gland for armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	Silicone / NBR
Temperature range	-60 °C ... +180 °C
Class of protection / with GWDR	- / IP 66, IP 68 - 2.5 bar
Approval	EEx e II; EEx d IIC; Ⓢ II 2 GD
Test certificate	BAS01ATEX2271X
Note	Length L varies according to cable diameter used.

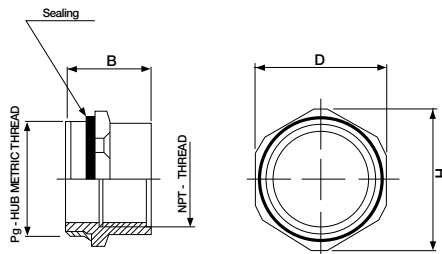
Ordering data

Type	Thread-size	D1 cable O.D.	Armour	D2 cable I.D.	L/L1	SW	Qty.	Order No.
metric, brass								
VG M20-1/Exe/d A HT MSN	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1925920000
VG M20-1/Exe/d A HT MSN	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1925930000
VG M20-1/Exe/d A HT MSN	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1925940000
VG M25-1/Exe/d A HT MSN	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1925950000
VG M32-1/Exe/d A HT MSN	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1925960000
VG M40-1/Exe/d A HT MSN	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1925970000
VG M50-1/Exe/d A HT MSN	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1925980000
VG M50-1/Exe/d A HT MSN	M 50 x 1.5	45.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1925990000
VG M63-1/Exe/d A HT MSN	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1926000000
VG M63-1/Exe/d A HT MSN	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1926010000
metric, nickel-plated brass								
VG M20-1/Exe/d A HT MS	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1933050000
VG M20-1/Exe/d A HT MS	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1933060000
VG M20-1/Exe/d A HT MS	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1933070000
VG M25-1/Exe/d A HT MS	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1933080000
VG M32-1/Exe/d A HT MS	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1933090000
VG M40-1/Exe/d A HT MS	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1933100000
VG M50-1/Exe/d A HT MS	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1933110000
VG M50-1/Exe/d A HT MS	M 50 x 1.5	45.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1933120000
VG M63-1/Exe/d A HT MS	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1933130000
VG M63-1/Exe/d A HT MS	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1933140000

Further versions - also in stainless steel - available on request

Pg to NPT Thread Adapters

Adapters to convert metric thread (Pg) to the National Pipe Thread (NPT) sizes According to the DIN-Standard 40430



Material:	Metal, Nickel plated Brass
Temperature:	-20°C (-4°F) - + 120°C (+248°F)
Protection Class:	IP 65

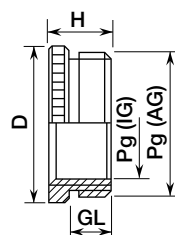
Type	Part No.	Pg (Metric Thread)	NPT (inch)	WS (mm)	B (inch)(mm)	H (inch)(mm)	D (inch)(mm)
Pg 11/ NPT 3/8"	171234	11	3/8"	22	0.79 20	0.94 24	0.87 22
Pg 13.5/ NPT 1/2"	171235	13	1/2"	27	0.89 22.5	1.15 29.2	1.06 27
Pg 16/ NPT 1/2"	171236	16	1/2"	27	0.90 22.8	1.15 29.2	1.06 27
Pg 21/ NPT 3/4"	171237	21	3/4"	32	0.98 25	1.39 35.2	1.26 32
Pg 29/ NPT 1"	171239	29	1"	40	1.18 30	1.71 43.5	1.57 40
Pg 36/ NPT 1 1/4"	171238	36	1 1/4"	50	1.26 32	2.17 55	1.97 50

WS = Metric Wrench Size

D min., D max. = min. or max. Inside Diameter

Reducer, Hexagonal

According to the DIN-Standard H-DIN 46320



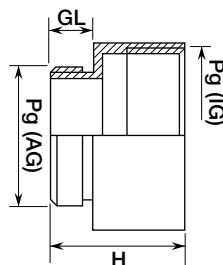
Material:	Metal, Nickel plated Brass
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Type	Part No.	Pg(AG) Outside Thread	Pg(IG) Inside Thread	D (inch)(mm)	H (inch)(mm)	GL (inch)(mm)
RD 11*/09**	165607	11	9	0.79 20	0.33 8.5	0.24 6
RD 13/09	165608	13	9	0.87 22	0.35 9	0.26 6.5
RD 13/11	165609	13	11	0.87 22	0.35 9	0.26 6.5
RD 16/11	165611	16	11	0.94 24	0.37 9.5	0.26 6.5
RD 16/13	165612	16	13	0.94 24	0.37 9.5	0.26 6.5
RD 21/13	165613	21	13	1.18 30	0.39 10	0.28 7
RD 21/16	165614	21	16	1.18 30	0.39 10	0.28 7
RD 29/16	165615	29	16	1.54 39	0.45 11.5	0.31 8
RD 29/21	165616	29	21	1.54 39	0.45 11.5	0.31 8
RD 36/21	165617	36	21	1.97 50	0.49 12.5	0.35 9
RD 36/29	165618	36	29	1.97 50	0.49 12.5	0.35 9
RD 42/29	165619	42	29	2.24 57	0.55 14	0.39 10

*Internal Thread **External Thread

Enlarger

According to DIN-Standard K-DIN 46320



Material:	Metal, Nickel plated Brass
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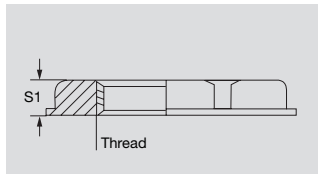
Type	Part No.	Pg (Metric Thread AG) Hood Side	Pg (Metric Thread IG) Cable Side	H (inch)(mm)	GL (inch)(mm)
EW 11/13	165620	11	13	0.69 17.5	0.24 6
EW 11/16	165621	11	16	0.73 18.5	0.24 6
EW 13/16	165622	13	16	0.75 19	0.26 6.5
EW 13/21	165623	13	21	0.83 21	0.26 6.5
EW 16/21	165624	16	21	0.83 21	0.26 6.5
EW 21/29	165625	21	29	0.91 23	0.28 7
EW 29/36	165626	29	36	1.08 27.5	0.31 8
EW 36/42	165627	36	42	1.22 31	0.35 9

Locknuts

Locknuts - plastic



For securing plastic cable glands and blanking plugs



Technical data

Material / colour	Polyamide 6 / RAL 7035
Temperature range	-30 °C ... 100 °C

Note

Ordering data

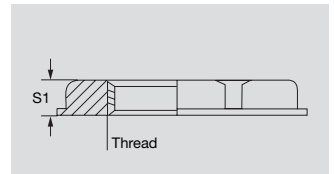
Type	Thread-size	S1	SW	Qty.	Order No.
metric					
SKMU M12 - K GR	M 12 x 1.5	5	18	100	1772440000
SKMU M16 - K GR	M 16 x 1.5	5	22	100	1772450000
SKMU M20 - K GR	M 20 x 1.5	6	26	100	1772460000
SKMU M25 - K GR	M 25 x 1.5	6	32	100	1772470000
SKMU M32 - K GR	M 32 x 1.5	7	41	100	1772480000
SKMU M40 - K GR	M 40 x 1.5	7	50	50	1772490000
SKMU M50 - K GR	M 50 x 1.5	8	60	10	1772500000
SKMU M63 - K GR	M 63 x 1.5	8	75	10	1772510000
PG					
SKMU PG7-K GR	PG 7	5	19	100	1697440000
SKMU PG9-K GR	PG 9	5	22	100	1697450000
SKMU PG11-K GR	PG 11	5	24	100	1697460000
SKMU PG 13,5-K GR	PG 13.5	6	27	100	1697470000
SKMU PG16-K GR	PG 16	6	30	100	1697480000
SKMU PG21-K GR	PG 21	7	36	100	1698220000
SKMU PG29-K GR	PG 29	7	46	50	1698230000
SKMU PG36-K GR	PG 36	8	60	25	1698240000
SKMU PG42-K GR	PG 42	8	65	25	1698250000
SKMU PG48-K GR	PG 48	8	70	25	1719090000

Further versions on request

Locknuts - plastic 9005



For securing plastic cable glands and blanking plugs - recommended for Ex applications.



Technical data

Material / colour	Polyamide 6 / RAL 9005
Temperature range	-30 °C ... 100 °C

Note

approval not required

Ordering data

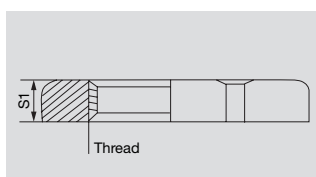
Type	Thread-size	S1	SW	Qty.	Order No.
metric					
SKMU M16 K SW	M 16 x 1.5	5	22	100	1736920000
SKMU M20 K SW	M 20 x 1.5	6	26	100	1736930000
SKMU M25 K SW	M 25 x 1.5	6	32	25	1736940000
SKMU M32 K SW	M 32 x 1.5	7	41	100	1736950000
SKMU M40 K SW	M 40 x 1.5	7	50	10	1736960000
SKMU M50 K SW	M 50 x 1.5	8	60	5	1736970000
SKMU M63 K SW	M 63 x 1.5	8	75	5	1736980000
PG					
SKMU PG7-K SW	PG 7	5	19	50	1719100000
SKMU PG9-K SW	PG 9	5	22	50	1719110000
SKMU PG11-K SW	PG 11	5	24	50	1719120000
SKMU PG13,5-K SW	PG 13.5	6	27	50	1719130000
SKMU PG16-K SW	PG 16	6	30	25	1719140000
SKMU PG21-K SW	PG 21	7	36	20	1719150000
SKMU PG29-K SW	PG 29	7	46	20	1719160000
SKMU PG36-K SW	PG 36	8	60	10	1719170000
SKMU PG42-K SW	PG 42	8	65	10	1719180000
SKMU PG48-K SW	PG 48	8	70	5	1719190000

Further versions on request

Locknuts - brass



For securing brass cable glands and blanking plugs - also recommended for Ex applications.



Technical data

Material Brass, nickel-plated

Note

Ordering data

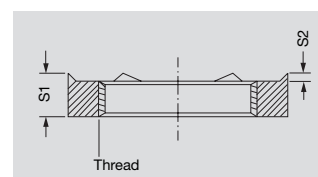
Type	Thread-size	S1	S2	SW	Qty.	Order No.
metric						
SKMU M12 - MS	M 12 x 1.5	2.8	-	15	50	1772360000
SKMU M16 MS	M 16 x 1.5	2.8	-	19	50	1736990000
SKMU M20 MS	M 20 x 1.5	3	-	24	50	1737000000
SKMU M25 MS	M 25 x 1.5	3.5	-	29	25	1737010000
SKMU M32 MS	M 32 x 1.5	4	-	36	20	1737020000
SKMU M40 MS	M 40 x 1.5	4.5	-	46	10	1737030000
SKMU M50 MS	M 50 x 1.5	5	-	60	5	1737040000
SKMU M63 MS	M 63 x 1.5	6	-	70	5	1737050000
SKMU M75 MS	M 75 x 1.5	8	-		5	1737060000
PG						
SKMU PG7-MS	PG 7	2.8	-	15	100	1694070000
SKMU PG9-MS	PG 9	2.8	-	18	100	1694080000
SKMU PG11-MS	PG 11	3	-	21	100	1694090000
SKMU PG13,5-MS	PG 13.5	3	-	23	100	1694100000
SKMU PG16-MS	PG 16	3	-	26	100	1694110000
SKMU PG21-MS	PG 21	3.5	-	32	50	1719200000
SKMU PG29-MS	PG 29	4	-	41	50	1719210000
SKMU PG36-MS	PG 36	5	-	51	50	1719220000
SKMU PG42-MS	PG 42	5	-	60	50	1719230000
SKMU PG48-MS	PG 48	5.5	-	64	50	1719240000

Further versions on request

Locknuts - brass - EMC



For securing brass cable glands and blanking plugs - specially equipped with 6 blades that ensure the locknut makes contact with the housing upon tightening.



Technical data

Material Brass, nickel-plated

Note

Ordering data

Type	Thread-size	S1	S2	SW	Qty.	Order No.
metric						
SKMU EMV M10	M 10 x 1.5	3.1	1	12	1	1777600000
SKMU EMV M12	M 12 x 1.5	3.6	1	15	50	1777610000
SKMU EMV M16	M 16 x 1.5	3.6	1	19	50	1777620000
SKMU EMV M20	M 20 x 1.5	3.6	1	24	50	1777630000
SKMU EMV M25	M 25 x 1.5	3.6	1	30	20	1777640000
SKMU EMV M32	M 32 x 1.5	4.1	1	36	20	1777650000
SKMU EMV M40	M 40 x 1.5	4.6	1	46	10	1777660000
SKMU EMV M50	M 50 x 1.5	4.6	1	60	10	1777670000
SKMU EMV M63	M 63 x 1.5	6.6	1	70	10	1777680000
PG						
SKMU EMV PG7	PG 7	3.6	1	15	20	1718900000
SKMU EMV PG9	PG 9	3.6	1	18	20	1718910000
SKMU EMV PG11	PG 11	3.6	1	21	20	1718920000
SKMU EMV PG13,5	PG 13.5	3.6	1	23	10	1718930000
SKMU EMV PG16	PG 16	3.6	1	26	10	1718940000
SKMU EMV PG21	PG 21	4.1	1	32	10	1718950000
SKMU EMV PG29	PG 29	4.6	1	41	15	1718960000
SKMU EMV PG 36	PG 36	5.6	1	51	1	1777710000
SKMU EMV PG 42	PG 42	5.6	1	58	1	1777700000
SKMU EMV PG 48	PG 48	6.6	1	64	1	1777690000

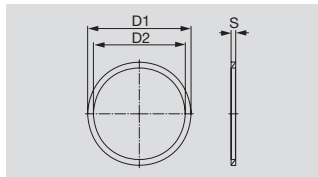
Further versions on request

Thread sealing rings

Sealing rings - standard



For increasing the class of protection for cable glands and blanking plugs



Technical data

Material / colour	Polyethylene / -
Temperature range	-30 °C ... 90 °C
Standard	DIN 46320 (for PG thread)

Note

Ordering data

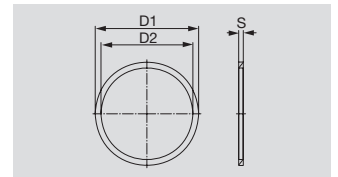
Type	Thread-size	D1	D2	S	Qty.	Order No.
metric						
GWDR M12-PO	M 12 x 1.5	16	12	1.5	50	1777920000
GWDR M16-PO	M 16 x 1.5	20	16	1.5	50	1777930000
GWDR M20-PO	M 20 x 1.5	24	20	2	100	1777940000
GWDR M25-PO	M 25 x 1.5	29	25	2	50	1777950000
GWDR M32-PO	M 32 x 1.5	36	32	2	50	1777960000
GWDR M40-PO	M 40 x 1.5	44	40	2	50	1777970000
GWDR M50-PO	M 50 x 1.5	54	50	2	50	1777980000
GWDR M63-PO	M 63 x 1.5	67	63	2	50	1777990000
PG						
GWDR PG7-PO	PG 7	16.5	12.5	1.6	100	1719440000
GWDR PG9-PO	PG 9	19	15.3	1.6	100	1719450000
GWDR PG11-PO	PG 11	22.5	18.6	1.8	100	1719460000
GWDR PG13,5-PO	PG 13.5	25	20.4	1.8	100	1719470000
GWDR PG16-PO	PG 16	27	22.5	1.8	100	1719480000
GWDR PG21-PO	PG 21	33.5	28.5	2.2	100	1719490000
GWDR PG29-PO	PG 29	43.5	37	2.2	50	1719500000
GWDR PG36-PO	PG 36	55	47	2.7	50	1719510000
GWDR PG42-PO	PG 42	63	54	3.2	10	1719520000
GWDR PG48-PO	PG 48	69	59.3	3.2	5	1719530000

Further versions on request

Sealing rings - 9005



For increasing the class of protection for cable glands and blanking plugs - recommended for use in Ex applications



Technical data

Material / colour	Neoprene / RAL 9005
Temperature range	-40 °C ... 100 °C
Standard	DIN 46320 (for PG thread)

Note

Ordering data

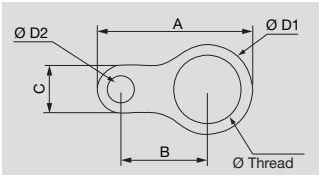
Type	Thread-size	D1	D2	S	Qty.	Order No.
metric						
GWDR M12-NP	M 12	18	12	1.2	50	1913320000
GWDR M16-NP	M 16	22	16	1.2	50	1736230000
GWDR M20-NP	M 20	24	20	1.2	50	1736240000
GWDR M25-NP	M 25	30	25	1.5	50	1736250000
GWDR M32-NP	M 32	42	32	1.5	50	1736260000
GWDR M40-NP	M 40	52	40	1.5	20	1736270000
GWDR M50-NP	M 50	63	50	1.5	20	1736280000
GWDR M63-NP	M 63	77	63	2	10	1736290000
PG						
GWDR PG7-NP	PG 7	17	11.6	1.2	100	1719540000
GWDR PG9-NP	PG 9	21	14	1.2	100	1719550000
GWDR PG11-NP	PG 11	24	17	1.2	100	1719560000
GWDR PG13,5-NP	PG 13.5	27	19.5	1.2	100	1719570000
GWDR PG16-NP	PG 16	30	22.5	1.2	100	1719580000
GWDR PG21-NP	PG 21	35	28.3	1.5	100	1719590000
GWDR PG29-NP	PG 29	45	37	1.5	50	1719600000
GWDR PG36-NP	PG 36	60	47	1.5	20	1719610000
GWDR PG42-NP	PG 42	65	54	1.5	10	1719620000
GWDR PG48-NP	PG 48	71	59.3	1.5	5	1719630000

Further versions on request

Accessories - earthing rings



Earthing rings are particularly useful in situations where the shielding of a cable is attached to the cable gland and this is required to have the same potential as the other glands of a housing.



Technical data

Material	Brass, nickel-plated
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Note

Ordering data

Type	Thread-size	A	B	C	D1	D2	Qty.	Order No.
metric								
EA-RING MS/M 16	M 16 x 1.5	48.75	30	13	24.5	6.75	20	1736480000
EA-RING MS/M 20	M 20 x 1.5	53.8	33	13	28.6	7	20	1736490000
EA-RING MS/M 25	M 25 x 1.5	61.5	36	17	34	10.5	20	1736500000
EA-RING MS/M 32	M 32 x 1.5	73	41	22	42	12.2	20	1736510000
EA-RING MS/M 40	M 40 x 1.5	86.5	44.5	30	54	13.5	10	1736520000
EA-RING MS/M 50	M 50 x 1.5	111.5	58	40	67	13.5	10	1736530000
EA-RING MS/M 63	M 63 x 1.5	125.5	67	40	77	13.5	10	1736540000
EA-RING MS/M 75	M 75 x 1.5	137.5	73	40	89	13.5	10	1736550000

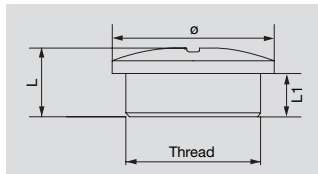
Further versions on request

Blanking plugs

Sealing plugs - plastic



For sealing surplus threaded holes to maintain the IP class of protection



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring	-
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	IP 54 / IP 66
Standard	DIN 46320 (for PG thread)

Note	Optional sealing ring
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Ordering data

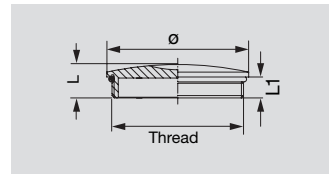
Type	Thread-size	L	L1	Top dia.	Qty.	Order No.
metric						
VP M12 K54	M 12 x 1.5	10	6	15	100	1776930000
VP M16 K54	M 16 x 1.5	11.5	7	19	100	1776920000
VP M20 K54	M 20 x 1.5	12.5	7.5	22	100	1776910000
VP M25 K54	M 25 x 1.5	15	11	27	100	1776900000
VP M32 K54	M 32 x 1.5	16	11	34	100	1776940000
VP M40 K54	M 40 x 1.5	18	12	42	50	1776950000
VP M50 K54	M 50 x 1.5	20	13	52	25	1776960000
VP M63 K54	M 63 x 1.5	20	14	65	50	1776970000
PG						
VP 7-K54	PG 7	8	6	15	50	1719250000
VP 9-K54	PG 9	9	6	19	100	0294760000
VP 11-K54	PG 11	10.5	6.5	22	100	0294860000
VP 13,5-K54	PG 13.5	9.5	6	25	100	0294960000
VP 16-K54	PG 16	9.5	6	27	100	0295060000
VP 21-K54	PG 21	11	8	33	100	0295160000
VP 29-K54	PG 29	12	8	44	50	0501160000
VP 36-K54	PG 36	15	10	55	25	0501260000
VP 42-K54	PG 42	16	10	62	10	0501360000
VP 48-K54	PG 48	16	12	69	5	1719260000

Further versions on request

Sealing plugs - brass



For sealing surplus threaded holes to maintain the IP class of protection



Technical data

Material / colour	Brass, nickel-plated / -
Sealing ring	-
Temperature range	-30 °C ... 100 °C
Class of protection / with GWDR	- / IP 68

Note	
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Ordering data

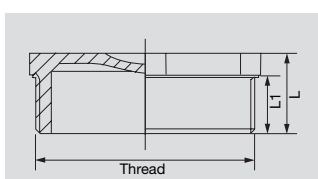
Type	Thread-size	L	L1	Top dia.	Qty.	Order No.
metric						
VP M12-MS65	M 12 x 1.5	7.4	5	14	100	1777720000
VP M16-MS65	M 16 x 1.5	8	6	20	100	1777730000
VP M20-MS65	M 20 x 1.5	9.4	6.5	22	100	1777740000
VP M25-MS65	M 25 x 1.5	10.8	7	28	100	1777750000
VP M32-MS65	M 32 x 1.5	11.6	8	35	50	1777760000
VP M40-MS65	M 40 x 1.5	12.3	8	45	50	1777770000
VP M50-MS65	M 50 x 1.5	15	9	55	25	1777780000
VP M63-MS65	M 63 x 1.5	18	10	68	10	1777790000
PG						
VP 7-MS65	PG 7	8	5	15	100	0521600000
VP 9-MS65	PG 9	8	4.5	18	100	0294700000
VP 11-MS65	PG 11	8	5	22	100	0294800000
VP 13,5-MS65	PG 13.5	9.5	6	24	100	0294900000
VP 16-MS65	PG 16	9	6	26	100	0295000000
VP 21-MS65	PG 21	11	6	32	100	0295100000
VP 29-MS65	PG 29	12	8	40	50	0501100000
VP 36-MS65	PG 36	15	9	50	25	0501200000
VP 42-MS65	PG 42	16	10	57	10	0501300000
VP 48-MS65	PG 48	16	10	64	5	1719270000

Further versions on request

Blanking plugs - plastic - EEx e



For sealing surplus threaded holes to maintain the IP class of protection - especially for Ex applications EEx e



Technical data

Material	Polyamide
Sealing ring	-
Temperature range	-40 °C ... 110 °C
Class of protection / with GWDR	IP 66 / IP 68
Approval	EEx e II; Ⓢ II 2 GD
Test certificate	LCIE 98ATEX0001 U
Note	Optional sealing ring

Ordering data

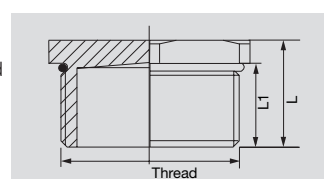
Type	Thread-size	L	L1	SW	Qty.	Order No.
metric						
VP M16-EXE SW	M 16 x 1.5	19	15	19	50	1737070000
VP M20-EXE SW	M 20 x 1.5	19	15	23	50	1737080000
VP M25-EXE SW	M 25 x 1.5	20	15	28	100	1737090000
VP M32-EXE SW	M 32 x 1.5	20.5	15	36	20	1737100000
VP M40-EXE SW	M 40 x 1.5	20.5	15	44	10	1737110000
VP M50-EXE SW	M 50 x 1.5	21	15	54	5	1737120000
VP M63-EXE SW	M 63 x 1.5	21.5	15	67	5	1737130000
PG						
VP 7-EXE SW	PG 7	12	8	15	100	1719280000
VP 9-EXE SW	PG 9	14.5	10	19	100	1719290000
VP 11-EXE SW	PG 11	15	10.5	22	50	1569380000
VP 13,5-EXE SW	PG 13.5	16	11	24	50	1569390000
VP 16-EXE SW	PG 16	17	12	27	100	1569400000
VP 21-EXE SW	PG 21	18	12.5	32	20	1569410000
VP 29-EXE SW	PG 29	19	13.5	40	20	1719300000
VP 36-EXE SW	PG 36	21	15	54	10	1719310000
VP 42-EXE SW	PG 42	21.5	15	59	10	1719320000
VP 48-EXE SW	PG 48	22	15.5	64	5	1719330000

Further versions on request

Blanking plugs - brass - EEx e, EEx d



For sealing surplus threaded holes to maintain the IP class of protection - especially for Ex applications EEx e and EEx d



Technical data

Material	Brass, nickel-plated
Sealing ring	-
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	- / -
Approval	EEx d IIC; EEx e II; Ⓢ II 2 GD
Test certificate	LCIE 98ATEX0001 U
Note	

Ordering data

Type	Thread-size	L	L1	SW	Qty.	Order No.
metric						
VP M16-EXE MS	M 16 x 1.5	18	15	18	50	1737140000
VP M20-EXE MS	M 20 x 1.5	18	15	23	50	1737150000
VP M25-EXE MS	M 25 x 1.5	18.5	15	28	25	1737160000
VP M32-EXE MS	M 32 x 1.5	19	15	36	10	1737170000
VP M40-EXE MS	M 40 x 1.5	19	15	44	10	1737180000
VP M50-EXE MS	M 50 x 1.5	21	16	54	5	1737190000
VP M63-EXE MS	M 63 x 1.5	22.5	17	67	5	1737200000
PG						
VP 7-EXE MS	PG 7	18	15	15	50	1719340000
VP 9-EXE MS	PG 9	18	15	18	50	1719350000
VP 11-EXE MS	PG 11	18	15	21	50	1719360000
VP 13,5-EXE MS	PG 13.5	18	15	23	50	1719370000
VP 16-EXE MS	PG 16	18	15	26	25	1719380000
VP 21-EXE MS	PG 21	18	15	32	20	1719390000
VP 29-EXE MS	PG 29	19	15	41	20	1719400000
VP 36-EXE MS	PG 36	20	15	51	10	1719410000
VP 42-EXE MS	PG 42	20	15	58	10	1719420000
VP 48-EXE MS	PG 48	20.5	15	64	5	1719430000

Further versions on request

Adapters

Adapters with NPT male threads



Technical data

Material / colour	Brass, nickel-plated
Temperature range	-40 °C ... +100 °C
Class of prot. / with thread sealing ring	IP66, IP68 / -
Note	The use of jointing paste or tape is recommended.

Ordering data

Male thread	3" NPT	2 1/2" NPT	2" NPT	1 1/2" NPT	1 1/4" NPT	1" NPT	3/4" NPT	1/2" NPT
Female thread								
M 16	1737420000	1737430000	1737440000	1737450000	1737460000	1737470000	1737480000	1737490000
M 20	1737580000	1737590000	1737600000	1737610000	1737620000	1737630000	1737640000	1737650000
M 25	1737740000	1737750000	1737760000	1737770000	1737780000	1737790000	1737800000	1737810000
M 32	1737890000	1737900000	1737910000	1737920000	1737930000	1737940000	1737950000	
M 40	1738020000	1738030000	1738040000	1738050000	1738060000	1738070000		
M 50	1738130000	1738140000	1738150000	1738160000	1738170000			
M 63	1738220000	1738230000	1738240000	1738250000				
M 75	1738290000	1738300000	1738310000					
1/2" NPT	1738340000	1738350000	1738360000	1738370000	1738380000	1738390000	1738400000	1738410000
3/4" NPT	1738500000	1738510000	1738520000	1738530000	1738540000	1738550000	1738560000	1738570000
1" NPT	1738650000	1738660000	1738670000	1738680000	1738690000	1738700000		
1 1/4" NPT	1738770000	1738780000	1738790000	1738800000	1738810000	1738820000		
1 1/2" NPT	1738880000	1738890000	1738900000	1738910000	1738920000			
2" NPT	1738970000	1738980000	1738990000	1739000000				
2 1/2" NPT	1739040000	1739050000	1739060000					
3" NPT	1739090000	1739100000						

Adapters with metric male threads



Technical data

Material / colour	Brass, nickel-plated
Temperature range	-40 °C ... +100 °C
Class of prot. / with thread sealing ring	- / IP66, IP68

Ordering data

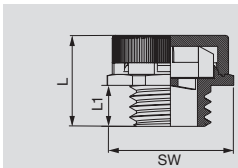
Male thread	M 75	M 63	M 50	M 40	M 32	M 25	M 20	M 16
Female thread								
M 16	1737500000	1737510000	1737520000	1737530000	1737540000	1737550000	1737560000	1737570000
M 20	1737660000	1737670000	1737680000	1737690000	1737700000	1737710000	1737720000	1737730000
M 25	1737820000	1737830000	1737840000	1737850000	1737860000	1737870000	1737880000	
M 32	1737960000	1737970000	1737980000	1737990000	1738000000	1738010000		
M 40	1738080000	1738090000	1738100000	1738110000	1738120000			
M 50	1738180000	1738190000	1738200000	1738210000				
M 63	1738260000	1738270000	1738280000					
M 75	1738320000	1738330000						
1/2" NPT	1738420000	1738430000	1738440000	1738450000	1738460000	1738470000	1738480000	1738490000
3/4" NPT	1738580000	1738590000	1738600000	1738610000	1738620000	1738630000	1738640000	
1" NPT	1738710000	1738720000	1738730000	1738740000	1738750000	1738760000		
1 1/4" NPT	1738830000	1738840000	1738850000	1738860000	1738870000			
1 1/2" NPT	1738930000	1738940000	1738950000	1738960000				
2" NPT	1739010000	1739020000	1739030000					
2 1/2" NPT	1739070000	1739080000						
3" NPT	1739110000							

Compensating elements

Compensating elements - plastic - DAE



The DAE pressure compensating element is recommended for good ventilation of the enclosure and for preventing the formation of condensation - while still maintaining the high class of protection IP 69K. The membrane is water- and oil-repellent.



Technical data

Material / colour	Polyamide 6 / RAL 9005
Sealing ring	-
Temperature range	-40 °C ... 120 °C
Class of protection / with GWDR	- / IP 66, IP 68, IP 69K
Air flow rate	0.8 l/min at 0.1 bar ΔP, up to 7.6 l/min at 1bar ΔP
Water inlet point	> 1.5 bar

Note

Ordering data

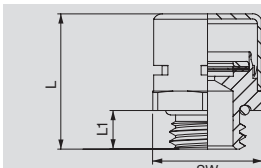
Type	Thread-size	L	L1	SW	Qty.	Order No.
metric						
DAE M12 PA long	M 12 x 1.5	17.4	10	17	10	1868570000
DAE M12 PA short	M 12 x 1.5	13.4	6	17	10	1868560000

Light grey version - RAL 7035 - on request

Compensating elements - stainless steel - DAE



The DAE pressure compensating element is recommended for good ventilation of the enclosure and for preventing the formation of condensation - while still maintaining the high class of protection IP 69K. The membrane is water- and oil-repellent.



Technical data

Material / colour	Stainless steel / -
Sealing ring	-
Temperature range	-40 °C ... 120 °C
Class of protection / with GWDR	- / IP 66, IP 68, IP 69K
Air flow rate	0.8 l/min at 0.1 bar ΔP, up to 7.6 l/min at 1bar ΔP
Water inlet point	> 1.5 bar

Note

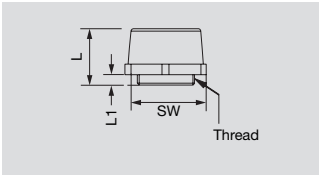
Ordering data

Type	Thread-size	L	L1	SW	Qty.	Order No.
metric						
DAE M12 SS	M 12 x 1.5	21.1	10	17	10	1868550000

Compensating elements - EWS



The EWS drainage plug is recommended for good ventilation of the enclosure and for preventing the formation of condensation. In addition, water can be drained through the EWS.



Technical data

Material	Polyamide
Sealing ring / Sealing insert	- / -
Temperature range	-20 °C ... 40 °C
Class of protection / with GWDR	IP 55 / -
Approval	Ⓔ EEx II G
Test certificate	PTB 01 ATEX 1128 X
Note	Installed at the lowest point from the bottom in the wall of the enclosure

Ordering data

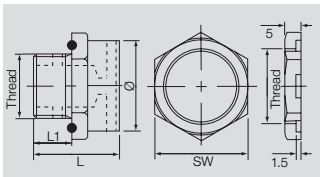
Type	Thread-size	L	L1	SW	Qty.	Order No.
metric						
EWS M 25X1,5	M 25 x 1.5	23	5	30	20	1719740000
PG						
EWS PG16	PG 16	23	5	27	20	1719730000

Compensating elements

Compensating elements - BD 1



For ventilating the housing and preventing condensation water - especially for Ex applications EEx e, with closed cover



Technical data

Material / colour	brass, stainless steel
Filter	
Sealing ring	Nitrile
Temperature range	-50 °C ... 85 °C
Class of protection / with GWDR	IP 66 / -
Approval / Test certificate	EEx e II; Ⓜ II 2 GD / SIRA 99ATEX3050 U

Note

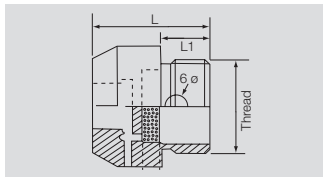
Ordering data

Type	Thread-size	L	L1	Top dia.	SW	Qty.	Order No.
metric, brass							
BD 1 brass	M 20 x 1.5	25	10	28	29	1	3080760000
metric, stainless steel							
BD 1 ss	M 20 x 1.5	25	10	28	29	1	3080770000

Compensating elements - BD 2



For ventilating the housing and preventing condensation water - especially for Ex applications EEx e, with hexagon socket



Technical data

Material / colour	brass, stainless steel
Filter	Bronze insert (90% copper, 10% tin)
Sealing ring	EPDM
Temperature range	-40 °C ... 120 °C
Class of protection / with GWDR	IP 66 / -
Approval / Test certificate	EEx e II; Ⓜ II 2 GD / SIRA 00ATEX3074 U

Note

Ordering data

Type	Thread-size	L	L1	Top dia.	SW	Qty.	Order No.
metric, brass							
BD 2 brass	M 20 x 1.5	24	10	25.4	28	1	1824400000
metric, stainless steel							
BD 2 ss	M 20 x 1.5	24	10	25.4	28	1	1824390000