

Cable entries

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Overview

In this section of the catalog, we offer you a selected range of cable glands specifically for use with the heavy-duty connectors.








Our complete range can be found in the Enclosures catalog.



Cable 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	EMV	Armou- ring	CSM GWDR...Po	CR GWDR...NP	O-ring	gray 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 BS	IP54	IP65						optional			●	
 VG ... MS54-ZE	IP54	IP65				optional					●	

Stainless steel glands on request

Cable glands HQ



Material/Type	Approvals				Thread sealing rings			Locknuts				
	IP class of protection without seal	IP class of protection with seal	EX	EMV	Armou- ring	CSM GWDR...Po	CR GWDR...NP	O-ring	gray SKMU K GR	black SKMU K SW	brass SKMU MS	MS EMC SKMU EMV...
Plastic												
 VG ... K68 ...	IP65											
Nickel-plated brass												
 VG ... MS68 ...	IP65											
 VG ... EMV68 ...	IP65			●								

Cable glands Ex

Material/Type	Approvals				Thread sealing rings			Locknuts				
	IP class of protection without seal	IP class of protection with seal	EX	EMV	Armou- ring	CSM GWDR...Po	CR GWDR...NP	O-ring	gray SKMU K GR	black SKMU K SW	brass SKMU MS	MS EMC SKMU EMV...
Plastic Ex												
 VG ... Exe SW	IP66	IP68	Exe				optional			●		
 VG ... Exi BL	IP66	IP68	EExi				optional			●		
Nickel-plated brass Ex												
 VG ... Exe MS		IP68 / 20 bar	Exe					included			●	●

Stainless steel glands on request

Blanking plugs

Material/Type	Approvals			Thread sealing rings			Locknuts			
	IP class of protection without seal	IP class of protection with seal	EX	CSM GWDR...Po	CR GWDR...NP	O-ring	gray 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			●	●

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

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	

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
11	13.5	16	
11	13.5	16	
13.5	16	21	
13.5	16	21	
16	21		
21			
21	29		
21	29		
29	36		
29	36		

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

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

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	
29	36		
29	36		

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
16	20	
16	20	25
16	20	25
16	20	25
20	25	
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

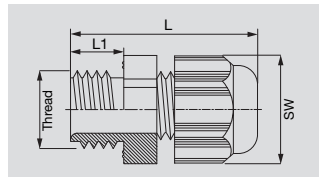
PG thread with onion gasket			
9	11		
9	11		
9	11	13.5	
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
11	13.5	16	21
11	13.5	16	21
11	13.5	16	21
11	13.5	16	21
13.5	16	21	
13.5	16	21	
16	21		
21	29		
21	29		
21	29		
21	29	36	
21	29	36	
29	36		
29	36		
36			
36	42		

Standard cable glands – plastic

Glands – plastic – IP67



Inexpensive alternative for industrial applications - without approvals.



Technical data

Material / color	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / TPE
Temperature range	-20 °C ... 80 °C
Class of protection	IP 67 / V2

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

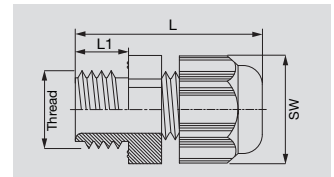
Type metric	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG M12-K67	M 12 x 1.5	3 - 6.5	23.9 / 8	15	100	1909660000
VG M16-K67	M 16 x 1.5	4 - 8	27.7 / 8	19	50	1909670000
VG M16-K67	M 16 x 1.5	5 - 10	29 / 10	22	50	1909680000
VG M20-K67	M 20 x 1.5	6 - 12	29.2 / 10	24	50	1909690000
VG M20-K67	M 20 x 1.5	10 - 14	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, halogen-free without O-ring, Torque settings available

Glands – plastic – IP68



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



Technical data

Material / color	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection / Flammability rating	IP 68 - 5 bar / 30 min / V2
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

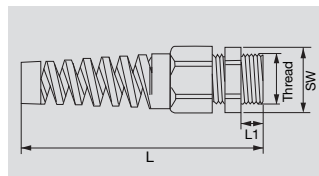
Type metric	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG M12-1/K68	M 12 x 1.5	3 - 6.5	32.4 / 8	15	100	1772280000
VG M16-1/K68	M 16 x 1.5	4.5 - 10	35.7 / 10	22	50	1909860000
VG M20-1/K68	M 20 x 1.5	6 - 12	41.2 / 10	24	50	1772300000
VG M25-1/K68	M 25 x 1.5	11 - 17	43.2 / 8	29	25	1909870000
VG M32-1/K68	M 32 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, halogen-free without O-ring, Torque settings available

Glands – plastic – SKS



Plastic gland with spiral antikink protection especially for flexible connections.



Technical data

Material / color	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection	IP 68 - 5 bar / V2
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

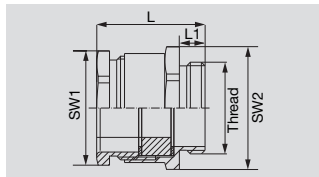
VDE for metric version, halogen-free without O-ring, Torque settings available

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

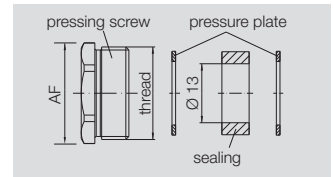
Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M12-MS54	M 12 x 1.5	5 - 7	21.5 / 6	14 / 13	100	1778410000
VG M12-MS54	M 12 x 1.5	6 - 8	22 / 6	17 / 15	100	1778400000
VG M16-MS54	M 16 x 1.5	8 - 10	26 / 6	20 / 18	100	1778390000
VG M20-MS54	M 20 x 1.5	8 - 10	26.5 / 6.5	22 / 18	50	1778380000
VG 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, Torque settings available

Pressure screws – brass – IP54



Half cable glands are designed for use in the new HDC RockStar base housings.



Technical data

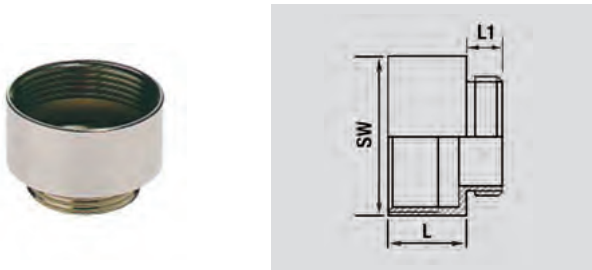
Material:	Nickel-plated brass
- pressure screw	
- sealing ring	SBR / NBR
- pressure ring	Polyamide
Temperature range	-20°C ... +60°C

Note

Ordering data

Type metric	Thread	Clamp. range	AF	Qty.	Order No.
VG H M20 MS	M 20 x 1.5	7.0 x 10.0 x 13.0 mm	20	50	1921720000
VG H M25 MS	M 25 x 1.5	11.5 x 14.5 x 18.0 mm	25	25	1921740000
VG H M32 MS	M 32 x 1.5	19.0 x 22.0 x 25.0 mm	32	20	1921760000
VG H M40 MS	M 40 x 1.5	26.0 x 29.0 x 32.0 mm	40	10	1921770000
PG					
KV 11 - M	PG 11	10.0 x 12.5 mm	18	10	1656390000
KV 13 - M	PG 13.5	10.0 x 11.0 x 12.0 mm	24	10	1656400000
KV 16 - M	PG 16	10.0 x 12.5 x 15.0 mm	22	10	1656410000
KV 21 - M	PG 21	13.0 x 16.0 x 19.0 mm	28	10	1656420000
KV 29 - M	PG 29	21.0 x 24.0 x 27.0 mm	37	10	1656430000

Increasers – metal



Technical data

Material	Brass, nickel-plated
Temperature range	-40 °C ... +100 °C
Class of protection	IP 54

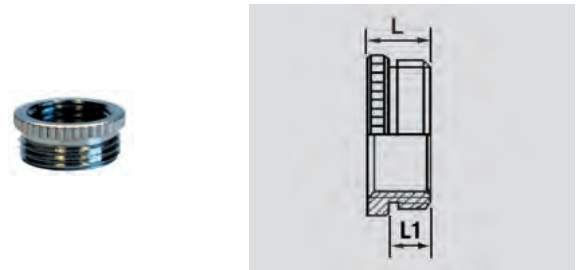
Note

Ordering data

Type	Thread ext.	Thread int.	L	L1	SW	Qty.	Part Number
Metric							
EW 11/13	Pg 11	Pg 13.5	11.5	6	22	50	1656200000
EW 11/16	Pg 11	Pg 16	12.5	6	24	50	1656210000
EW 13/16	Pg 13.5	Pg 16	12.5	6.5	24	50	1656220000
EW 13/21	Pg 13.5	Pg 21	14.5	6.5	30	50	1656230000
EW 16/21	Pg 16	Pg 21	14.5	6.5	30	20	1656240000
EW 21/29	Pg 21	Pg 29	16	7	39	20	1656250000
EW 29/36	Pg 29	Pg 36	19.5	8	50	20	1656260000
EW 36/42	Pg 36	Pg 42	23	9	57	20	1656270000

all sizes in mm

Reducers – hexagon – metal



Technical data

Material	Brass, nickel-plated
Temperature range	-40 °C ... +100 °C
Class of protection	IP 55

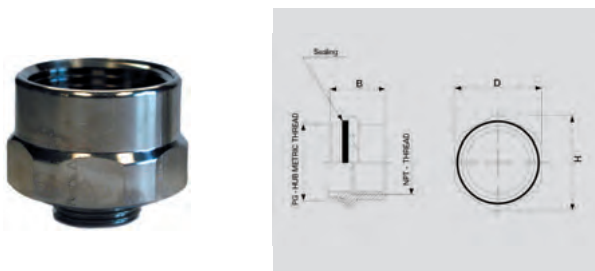
Note

Ordering data

Type	Thread ext.	Thread int.	L	L1	Qty.	Part Number
Metric						
RD 11/09	Pg 11	Pg 9	8.5	6	50	1656070000
RD 13/09	Pg 13.5	Pg 9	9	6.5	50	1656080000
RD 13/11	Pg 13.5	Pg 11	9	6.5	50	1656090000
RD 16/11	Pg 16	Pg 11	9.5	6.5	50	1656110000
RD 16/13	Pg 16	Pg 13.5	9.5	6.5	50	1656120000
RD 21/13	Pg 21	Pg 13.5	10	7	20	1656130000
RD 21/16	Pg 21	Pg 16	10	7	20	1656140000
RD 29/16	Pg 29	Pg 16	11.5	8	20	1656150000
RD 29/21	Pg 29	Pg 21	11.5	8	20	1656160000
RD 36/21	Pg 36	Pg 21	12.5	9	10	1656170000
RD 36/29	Pg 36	Pg 29	12.5	9	10	1656180000
RD 42/29	Pg 42	Pg 29	14	10	10	1656190000

all sizes in mm

Adapter PG / NPT

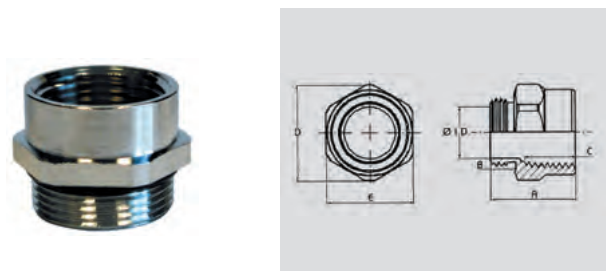


Ordering data

Type	M	NPT	B (mm)	H (mm)	D (mm)	Part Number
Pg 11/NPT 3/8"	Pg 11	3/8"	20	24	22	1712340000
Pg 13.5/NPT 1/2"	Pg 13.5	1/2"	22.5	29.2	27	1712350000
Pg 16/NPT 1/2"	Pg 16	1/2"	22.8	29.2	27	1712360000
Pg 21/NPT 3/4"	Pg 21	3/4"	25	35.2	32	1712370000
Pg 29/NPT 1"	Pg 29	1"	30	43.5	40	1712390000
Pg 36/NPT 1 1/4"	Pg 36	1 1/4"	32	55	50	1712380000

all sizes in mm

Adapter Metric / NPT



Ordering data

Type	A	B	C	D	E	Ø I.D.	Part Number
M 16 to 1/2"	25.0	7.0	15.0	28.10	25.40	11.0	M16N02MA-H
M 16 to 3/4"	31.0	7.0	14.0	33.50	31.75	11.0	M16N04MA-H
M 20 to 1/2"	25.0	7.0	15.0	28.10	25.40	15.0	M20N02MA-H
M 20 to 3/4"	27.0	7.0	14.0	33.50	31.75	15.0	M20N04MA-H
M 20 to 1"	33.0	7.0	17.0	40.50	38.10	15.0	M20N06MA-H
M 25 to 1"	31.0	7.0	17.0	40.50	38.10	20.0	M25N06MA-H
M 32 to 1"	28.0	8.0	17.0	40.50	38.10	27.0	M32N06MA-H
M 32 to 1 1/4"	32.0	8.0	18.0	47.00	44.45	27.0	M32N07MA-H
M 40 to 1 1/2"	32.0	8.0	18.0	53.60	50.80	35.0	M40N08MA-H

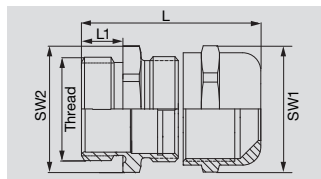
all sizes in mm

Standard cable glands – brass

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 IP 69 k

Note Length L varies according to cable diameter used
IP 67 k does not apply to PG 29, 36, 42, 48

Ordering data

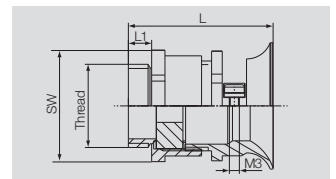
Type	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VG M12-1/MS68	M 12 x 1.5	3 - 6.5	27.2 / 5	14	50	1772200000
VG M16-1/MS68	M 16 x 1.5	4.5 - 10	37.3 / 7.5	20	50	1909910000
VG M20-1/MS68	M 20 x 1.5	5 - 13	32 / 8	22	50	1772220000
VG M25-1/MS68	M 25 x 1.5	11 - 17	42 / 8	27	25	1909920000
VG M32-1/MS68	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
PG (IP 68)						
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, Torque settings available

Glands – brass – ZE – Protection against bending



Brass cable gland with external strain relief and additional protection against bending.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / Perbunan
Temperature range	-20 °C ... +80 °C
Class of protection / with GWDR	IP 54

Note

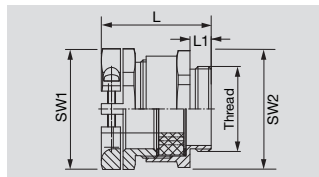
Ordering data

Type	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VGM16-MS54ZE BS4-10	M 16 x 1.5	4 - 10	32 / 5	17	50	1005190000
VGM16-MS54ZE BS6.5-12.5	M 16 x 1.5	6.5 - 12.5	32 / 5	17	50	1005200000
VGM20-MS54ZE BS6.5-12.5	M 20 x 1.5	6.5 - 12.5	38.4 / 6	22	50	1005210000
VGM20-MS54ZE BS6.5-12.5	M 20 x 1.5	6.5 - 12.5	38.4 / 6	22	50	1004370000
VGM20-MS54ZE BS6.5-15	M 20 x 1.5	6.5 - 15	38.4 / 6	22	50	1005220000
VGM25-MS54ZE BS9-19	M 25 x 1.5	9 - 19	43.5 / 7	30	25	1005230000
VGM32-MS54ZE BS17-27	M 32 x 1.5	17 - 27	50 / 8	41	25	1005240000

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.

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, Torque settings available

HQ cable glands



Cable gland particularly for the HQ series. Delivered in brass, plastic, or EMC version.

Technical data

Material	Brass, nickel-plated / PA 6
Sealing insert	TPE-V
Temperature range	-40 °C...100 °C
Class of protection	IP 68

Ordering data

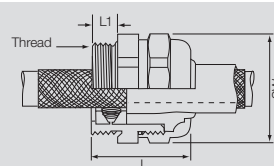
Type	Thread-size	KB	SW	Qty.	Order No.
VG 16 HQ K68 9-13	PG16	9 - 13	27	1	1016070000
VG 16 HQ K68 11.5-15.5	PG16	11.5 - 15.5	27	1	1016080000
VG 21 HQ MS68 9-13	PG21	9 - 13	30	1	1016090000
VG 21 HQ MS68 11.5-15.5	PG21	11.5 - 15.5	30	1	1016100000
VG 21 HQ MS68 14-18	PG21	14 - 18	30	1	1016110000
VG 21 HQ EMV68 11-15.5	PG21	11 - 15.5	30	1	1016120000
VG 21 HQ EMV68 14-18	PG21	14 - 18	30	1	1016130000
Only for base housings, angled HQ Order No. 1003110000					
VG16 HQ K68 9-12SHGG16	PG16	9 - 12	30	50	1045530000
VG16 HQ K68 11.5-15.5SH	PG16	11.5 - 15.5	30	50	1045540000

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

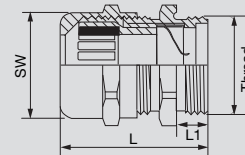
Type	Thread-size	KB	Shield dia.	L/L1	SW	Qty.	Order No.
metric							
VG M18-MS EMV	M 18 x 1.5	6.5 - 9	3.5 - 7.5	41 / 10	24	50	1706920000
VG M20-MS EMV	M 20 x 1.5	8 - 11	4 - 8.5	41 / 10	24	50	1706940000
VG M24-MS EMV	M 24 x 1.5	14 - 18	8 - 13	43 / 11	30	5	1706930000
VG M25-MS EMV	M 25 x 1.5	14 - 18	8 - 13.5	43 / 11	30	25	1706950000
PG							
VG PG7/9-MS EMV	PG 7	4 - 6.5	1.5 - 4	32 / 5	17	50	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	50	1706870000
VG PG13,5-MS EMV	PG 13.5	8 - 11	4 - 8.5	41 / 10	24	50	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	25	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	10	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



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

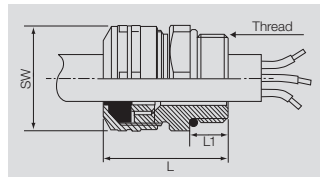
Further versions on request, Torque settings available

Ex cable glands

Glands - brass - EEx e, IP 68



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



Technical data

Material	Brass, nickel-plated
Sealing insert	Neoprene
Temperature range	-40 °C ... +100 °C
Class of protection	IP 68 - 5 bar

Note

Ordering data

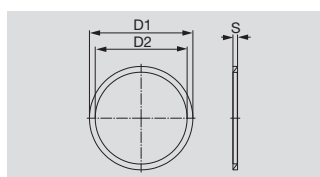
Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG NPT 3/4" Eex-e MS	NPT 3/4"	13,5 - 18	24 / 16	30	1	1778150000

Further versions - also in stainless steel - available on request, Torque settings available

Sealing rings – standard



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



Technical data

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

Note

Ordering data

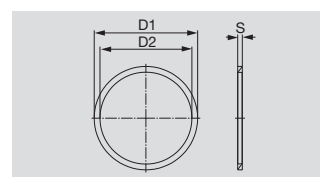
Type metric	Thread-size	D1	D2	S	Qty.	Order No.
GWDR M12-PO	M 12 x 1.5	16	12	1.5	50	1777920000
GWDR M16-PO	M 16 x 1.5	20	16	1.5	50	1777930000
GWDR M20-PO	M 20 x 1.5	24	20	2	100	1777940000
GWDR M25-PO	M 25 x 1.5	29	25	2	50	1777950000
GWDR M32-PO	M 32 x 1.5	36	32	2	50	1777960000
GWDR M40-PO	M 40 x 1.5	44	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 / color	Neoprene / RAL 9005
Temperature range	-40 °C ... 100 °C
Standard	DIN 46320 (for PG thread)

Note

Ordering data

Type metric	Thread-size	D1	D2	S	Qty.	Order No.
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

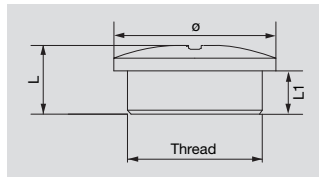
Further versions on request

Blanking plugs

Sealing plugs – plastic



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



Technical data

Material / color	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)
Flammability class	V2
Note	Optional sealing ring

Ordering data

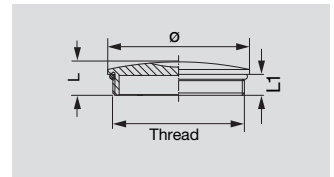
Type	Thread-size	L	L1	Top dia.	Qty.	Order No.
metric						
VP M12 K54	M 12 x 1.5	10	6	15	100	1776930000
VP M16 K54	M 16 x 1.5	11.5	7	19	100	1776920000
VP M20 K54	M 20 x 1.5	12.5	7.5	22	100	1776910000
VP M25 K54	M 25 x 1.5	15	11	27	100	1776900000
VP M32 K54	M 32 x 1.5	16	11	34	100	1776940000
VP M40 K54	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 / color	Brass, nickel-plated / -
Sealing ring	-
Temperature range	-30 °C ... 100 °C
Class of protection / with GWDR	- / IP 68
Note	

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, Torque settings available