

Industrial cable glands

HSK Ex-e Standard cable glands

Cable glands of the HSK-Ex e-series have been designed for standard applications in hazardous locations type „e“ according to EN 60079-0 and EN 60079-7.

NEW



coming soon



You can find in this chapter:

HSK-Ex e cable gland series Ex e proofed (for increased safety)

- HSK-K-Ex-Active cable gland made of polyamide according to the latest Ex e standards
- HSK-M-Ex cable glands made of nickel plated brass for different temperature ranges
- HSK-INOX-Ex cable glands made of stainless steel for different temperature ranges
- HSK-PVDF-Ex cable glands made of metal for higher temperatures

We provide variable clamping ranges, thread lengths, thread types plus different sealing materials and temperature ranges. Our range is completed by global certifications.

For any further question please do not hesitate to contact us. We look forward to develop solutions together with you. You profit of our vast knowledge in development, engineering and production technology

Contact us:

E-Mail: info@hummel.com

Tel.: +49 (0) 76 66 / 9 11 10 - 0

Advice:

- you can find HSK-EMC-Ex e cable glands in the next chapter from page 123
- you can find HSK-Ex e Multi hole glands and much more in the chapter „HSK-Ex e cable glands for special applications“ from page 131
- you can find HSK-Ex d standard cable glands from page 137

HSK Ex-e safety cable glands

HSK-K-Ex-Active

Metr.



Material fibreglass reinforced polyamide V0 according to UL 94

Seal Buna-N

O-Ring Buna-N

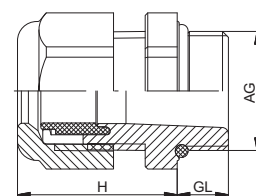
Protection IP 68 – 10 bar

Operating Temperature -20 °C – 85 °C (-4 °F – 185 °F)

Colors black (RAL 9005)



For the international certificates please see page 174 or our homepage www.hummel.com



AG	mm	mm	H mm	GL mm	Number	GL mm	Number elongated
M 12 x 1,5	3 – 6,5	15	21	8	1.292.1201.50	15	1.292.1201.30
M 12 x 1,5	2 – 5	15	21	8	1.292.1201.51	15	1.292.1201.31
M 16 x 1,5	4 – 8	19	22	8	1.292.1601.50	15	1.292.1601.30
M 16 x 1,5	3 – 6	19	22	8	1.292.1601.51	15	1.292.1601.31
M 16 x 1,5	5 – 10	22	25	8	1.292.1611.50	15	1.292.1611.30
M 16 x 1,5	3 – 7	22	25	8	1.292.1611.51	15	1.292.1611.31
M 20 x 1,5	6 – 12	24	27	9	1.292.2001.50	15	1.292.2001.30
M 20 x 1,5	5 – 9	24	27	9	1.292.2001.51	15	1.292.2001.31
M 20 x 1,5	10 – 14	27	28	9	1.292.2016.50	15	1.292.2016.30
M 20 x 1,5	7 – 12	27	28	9	1.292.2016.51	15	1.292.2016.31
M 25 x 1,5	13 – 18	33	31	11	1.292.2501.50	15	1.292.2501.30
M 25 x 1,5	9 – 16	33	31	11	1.292.2501.51	15	1.292.2501.31
M 32 x 1,5	18 – 25	42	39	11	1.292.3201.50	15	1.292.3201.30
M 32 x 1,5	13 – 20	42	39	11	1.292.3201.51	15	1.292.3201.31
M 40 x 1,5	22 – 32	53	48	13	1.292.4001.50	18	1.292.4001.30
M 40 x 1,5	20 – 26	53	48	13	1.292.4001.51	18	1.292.4001.31
M 50 x 1,5	32 – 38	60	49	13	1.292.5001.50	18	1.292.5001.30
M 50 x 1,5	25 – 31	60	49	13	1.292.5001.51	18	1.292.5001.31
M 63 x 1,5	37 – 44	65/68	49	14	1.292.6301.50	18	1.292.6301.30
M 63 x 1,5	29 – 35	65/68	49	14	1.292.6301.51	18	1.292.6301.31

Accessories see page 75 and 141

HSK Ex-e safety cable glands

HSK-K-Ex-Active

NPT



For the international certificates
please see page 174 or our homepage
www.hummel.com

Material fibreglass reinforced polyamide V0 according to UL 94

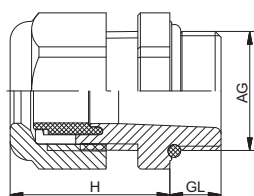
Seal Buna-N

O-Ring Buna-N

Protection IP 68 – 10 bar

Operating Temperature -20 °C – 85 °C (-4 °F – 185 °F)

Colors black (RAL 9005)



AG	mm	mm	H mm	GL mm	Number
NPT 3/8"	4 – 8	19/22	22	15	1.292.3801.70
NPT 3/8"	2 – 6	19/22	22	15	1.292.3801.71
NPT 1/2"	6 – 12	24	27	13	1.292.1201.70
NPT 1/2"	5 – 9	24	27	13	1.292.1201.71
NPT 1/2" (16)	10 – 14	27	28	13	1.292.1216.70
NPT 1/2" (16)	7 – 12	27	28	13	1.292.1216.71
NPT 3/4"	13 – 18	33	31	14	1.292.3401.70
NPT 3/4"	9 – 16	33	31	14	1.292.3401.71
NPT 1"	18 – 25	42	39	19	1.292.1001.70
NPT 1"	13 – 20	42	39	19	1.292.1001.71
NPT 1 1/4"	18 – 25	42/46	39	16	1.292.5401.70
NPT 1 1/4"	13 – 20	42/46	39	16	1.292.5401.71
NPT 1 1/2"	22 – 32	53	48	20	1.292.6401.70
NPT 1 1/2"	20 – 26	53	48	20	1.292.6401.71



Accessories see page 75 and 141

HSK Ex-e safety cable glands

HSK-M-Ex / HSK-M-PVDF-Ex

Metr.



Material Nickel plated brass

Clamping insert Polyamide / PVDF

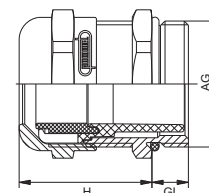
Seal Buna-N / FKM

O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

 Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) /
 -60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)
 

II 2G 1D


 For the international certificates
 please see page 174 or our homepage
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AG	mm	GL	H	mm	Number HSK-M-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-M-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
M 12 x 1,5	3 – 6,5	6,5	19	14	1.610.1200.50	1.640.1200.50	1.660.1200.50
M 12 x 1,5	2 – 5	6,5	19	14	1.610.1200.51	1.640.1200.51	1.660.1200.51
M 16 x 1,5	4 – 8	6	21	17 / 19	1.610.1600.50	1.640.1600.50	1.660.1600.50
M 16 x 1,5	2 – 6	6	21	17 / 19	1.610.1600.51	1.640.1600.51	1.660.1600.51
M 16 x 1,5	6 – 10	6	22	20	1.610.1611.50	1.640.1611.50	1.660.1611.50
M 16 x 1,5	3 – 7	6	22	20	1.610.1611.51	1.640.1611.51	1.660.1611.51
M 20 x 1,5	7 – 12	6	23	22	1.610.2000.50	1.640.2000.50	1.660.2000.50
M 20 x 1,5	5 – 9	6	23	22	1.610.2000.51	1.640.2000.51	1.660.2000.51
M 20 x 1,5	10 – 14	6	24	24	1.610.2016.50	1.640.2016.50	1.660.2016.50
M 20 x 1,5	7 – 12	6	24	24	1.610.2016.51	1.640.2016.51	1.660.2016.51
M 25 x 1,5	14 – 18	7	26	30	1.610.2500.50	1.640.2500.50	1.660.2500.50
M 25 x 1,5	10 – 16	7	26	30	1.610.2500.51	1.640.2500.51	1.660.2500.51
M 32 x 1,5	20 – 25	8	31	40	1.610.3200.50	1.640.3200.50	1.660.3200.50
M 32 x 1,5	13 – 20	8	31	40	1.610.3200.51	1.640.3200.51	1.660.3200.51
M 40 x 1,5	22 – 32	8	37	50	1.610.4000.50	1.640.4000.50	1.660.4000.50
M 40 x 1,5	20 – 26	8	37	50	1.610.4000.51	1.640.4000.51	1.660.4000.51
M 50 x 1,5	32 – 38	9	37	57	1.610.5000.50	1.640.5000.50	
M 50 x 1,5	25 – 31	9	37	57	1.610.5000.51	1.640.5000.51	
M 63 x 1,5	37 – 44	10	38	64 / 68	1.610.6300.50	1.640.6300.50	
M 63 x 1,5	29 – 35	10	38	64 / 68	1.610.6300.51	1.640.6300.51	



Accessories see page 75 and 141

HSK Ex-e safety cable glands

HSK-M-Ex / HSK-M-PVDF-Ex

Metr.-elongated

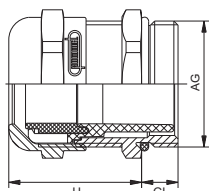


II 2G 1D



For the international certificates
please see page 174 or our homepage
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Material	Nickel plated brass
Clamping insert	Polyamide / PVDF
Seal	Buna-N / FKM
O-Ring	Buna-N / FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-20 °C – 95 °C (-4 °F – 203 °F) (PA) / -60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-M-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-M-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
M 12 x 1,5	3 – 6,5	10	19	14	1.610.1200.30	1.640.1200.30	1.660.1200.30
M 12 x 1,5	2 – 5	10	19	14	1.610.1200.31	1.640.1200.31	1.660.1200.31
M 16 x 1,5	4 – 8	10	21	17 / 19	1.610.1600.30	1.640.1600.30	1.660.1600.30
M 16 x 1,5	2 – 6	10	21	17 / 19	1.610.1600.31	1.640.1600.31	1.660.1600.31
M 16 x 1,5	6 – 10	10	22	20	1.610.1611.30	1.640.1611.30	1.660.1611.30
M 16 x 1,5	3 – 7	10	22	20	1.610.1611.31	1.640.1611.31	1.660.1611.31
M 20 x 1,5	7 – 12	10	23	22	1.610.2000.30	1.640.2000.30	1.660.2000.30
M 20 x 1,5	5 – 9	10	23	22	1.610.2000.31	1.640.2000.31	1.660.2000.31
M 20 x 1,5	10 – 14	10	24	24	1.610.2016.30	1.640.2016.30	1.660.2016.30
M 20 x 1,5	7 – 12	10	24	24	1.610.2016.31	1.640.2016.31	1.660.2016.31
M 25 x 1,5	14 – 18	12	26	30	1.610.2500.30	1.640.2500.30	1.660.2500.30
M 25 x 1,5	10 – 16	12	26	30	1.610.2500.31	1.640.2500.31	1.660.2500.31
M 32 x 1,5	20 – 25	12	31	40	1.610.3200.30	1.640.3200.30	1.660.3200.30
M 32 x 1,5	13 – 20	12	31	40	1.610.3200.31	1.640.3200.31	1.660.3200.31
M 40 x 1,5	22 – 32	15	37	50	1.610.4000.30	1.640.4000.30	1.660.4000.30
M 40 x 1,5	20 – 26	15	37	50	1.610.4000.31	1.640.4000.31	1.660.4000.31
M 50 x 1,5	32 – 38	15	37	57	1.610.5000.30	1.640.5000.30	
M 50 x 1,5	25 – 31	15	37	57	1.610.5000.31	1.640.5000.31	
M 63 x 1,5	37 – 44	15	38	64 / 68	1.610.6300.30	1.640.6300.30	
M 63 x 1,5	29 – 35	15	38	64 / 68	1.610.6300.31	1.640.6300.31	

➔ Accessories see page 75 and 141

HSK Ex-e safety cable glands

HSK-M-Ex / HSK-M-PVDF-Ex

PG, NPT



Material Nickel plated brass

Clamping insert Polyamide / PVDF

Seal Buna-N / FKM

O-Ring Buna-N / FKM

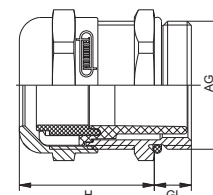
Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) /
-60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)



II 2G 1D

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AG	mm	GL mm	H mm	mm	Number HSK-M-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-M-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
PG 7	3 – 6,5	5	19	14	1.610.0700.01	1.640.0700.01	1.660.0700.01
PG 7	2 – 5	5	19	14	1.610.0700.15	1.640.0700.15	1.660.0700.15
PG 9	4 – 8	6	21	17	1.610.0900.01	1.640.0900.01	1.660.0900.01
PG 9	2 – 6	6	21	17	1.610.0900.15	1.640.0900.15	1.660.0900.15
PG 11	6 – 10	6	22	20	1.610.1100.01	1.640.1100.01	1.660.1100.01
PG 11	3 – 7	6	22	20	1.610.1100.15	1.640.1100.15	1.660.1100.15
PG 13,5	7 – 12	6,5	24	22	1.610.1300.01	1.640.1300.01	1.660.1300.01
PG 13,5	5 – 9	6,5	24	22	1.610.1300.15	1.640.1300.15	1.660.1300.15
PG 16	10 – 14	6,5	23	24	1.610.1600.01	1.640.1600.01	1.660.1600.01
PG 16	7 – 12	6,5	23	24	1.610.1600.15	1.640.1600.15	1.660.1600.15
PG 21	14 – 18	7	24	30	1.610.2100.01	1.640.2100.01	1.660.2100.01
PG 21	10 – 16	7	24	30	1.610.2100.15	1.640.2100.15	1.660.2100.15
PG 29	20 – 25	8	29	40	1.610.2900.01	1.640.2900.01	1.660.2900.01
PG 29	13 – 20	8	29	40	1.610.2900.15	1.640.2900.15	1.660.2900.15
PG 36	22 – 32	8	35	50	1.610.3600.01	1.640.3600.01	1.660.3600.01
PG 36	20 – 26	8	35	50	1.610.3600.15	1.640.3600.15	1.660.3600.15
PG 42	32 – 38	9	37	57	1.610.4200.01	1.640.4200.01	1.660.4200.01
PG 42	25 – 31	9	37	57	1.610.4200.15	1.640.4200.15	1.660.4200.15
PG 48	37 – 44	10	38	64	1.610.4800.01	1.640.4800.01	1.660.4800.01
PG 48	29 – 35	10	38	64	1.610.4800.15	1.640.4800.15	1.660.4800.15
NPT 3/8"	4 – 8	15	21	17/19	1.610.3800.70	1.640.3800.70	1.660.3800.70
NPT 3/8"	2 – 6	15	21	17/19	1.610.3800.71	1.640.3800.71	1.660.3800.71
NPT 1/2"	7 – 12	13	24	22/24	1.610.1200.70	1.640.1200.70	1.660.1200.70
NPT 1/2"	5 – 9	13	24	22/24	1.610.1200.71	1.640.1200.71	1.660.1200.71
NPT 3/4"	14 – 18	13	25	30	1.610.3400.70	1.640.3400.70	1.660.3400.70
NPT 3/4"	10 – 16	13	25	30	1.610.3400.71	1.640.3400.71	1.660.3400.71
NPT 1"	20 – 25	19	29	40	1.610.1000.70	1.640.1000.70	
NPT 1"	13 – 20	19	29	40	1.610.1000.71	1.640.1000.71	

Accessories see page 75 and 141

HSK Ex-e safety cable glands

HSK-M-Ex / HSK-M-PVDF-Ex

PG-elongated

RoHS

CE EAC

UL SP

II 2G 1D

ATEX Ex

IECEx

For the international certificates
please see page 174 or our homepage
www.hummel.com

Material Nickel plated brass

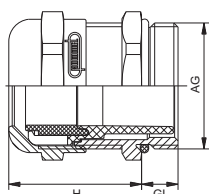
Clamping insert Polyamide / PVDF

Seal Buna-N / FKM

O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) /
-60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-M-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-M-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
PG 7	3 – 6,5	10	19	14	1.610.0700.60	1.640.0700.60	1.660.0700.60
PG 7	2 – 5	10	19	14	1.610.0700.61	1.640.0700.61	1.660.0700.61
PG 9	4 – 8	10	21	17	1.610.0900.60	1.640.0900.60	1.660.0900.60
PG 9	2 – 6	10	21	17	1.610.0900.61	1.640.0900.61	1.660.0900.61
PG 11	6 – 10	10	22	20	1.610.1100.60	1.640.1100.60	1.660.1100.60
PG 11	3 – 7	10	22	20	1.610.1100.61	1.640.1100.61	1.660.1100.61
PG 13,5	7 – 12	10	24	22	1.610.1300.60	1.640.1300.60	1.660.1300.60
PG 13,5	5 – 9	10	24	22	1.610.1300.61	1.640.1300.61	1.660.1300.61
PG 16	10 – 14	10	23	24	1.610.1600.60	1.640.1600.60	1.660.1600.60
PG 16	7 – 12	10	23	24	1.610.1600.61	1.640.1600.61	1.660.1600.61
PG 21	14 – 18	12	24	30	1.610.2100.60	1.640.2100.60	1.660.2100.60
PG 21	10 – 16	12	24	30	1.610.2100.61	1.640.2100.61	1.660.2100.61
PG 29	20 – 25	12	29	40	1.610.2900.60	1.640.2900.60	1.660.2900.60
PG 29	13 – 20	12	29	40	1.610.2900.61	1.640.2900.61	1.660.2900.61
PG 36	22 – 32	15	35	50	1.610.3600.60	1.640.3600.60	1.660.3600.60
PG 36	20 – 26	15	35	50	1.610.3600.61	1.640.3600.61	1.660.3600.61
PG 42	32 – 38	15	37	57	1.610.4200.60	1.640.4200.60	1.660.4200.60
PG 42	25 – 31	15	37	57	1.610.4200.61	1.640.4200.61	1.660.4200.61
PG 48	37 – 44	15	38	64	1.610.4800.60	1.640.4800.60	1.660.4800.60
PG 48	29 – 35	15	38	64	1.610.4800.61	1.640.4800.61	1.660.4800.61

➔ Accessories see page 75 and 141

HSK Ex-e safety cable glands

HSK-INOX-Ex / HSK-INOX-PVDF-Ex

Metr., PG



Material INOX (1.4305)

Clamping insert Polyamide / PVDF

Seal Buna-N / FKM

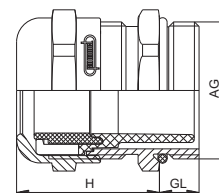
O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) / -60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)

 Advice:
- AISI 316L on request
 

II 2G 1D


 For the international certificates please see page 174 or our homepage www.hummel.com


AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-INOX-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-INOX-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-INOX-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
M 12 x 1,5	3 – 6,5	6,5	19	14	1.612.1200.50	1.642.1200.50	1.662.1200.50
M 12 x 1,5	2 – 5	6,5	19	14	1.612.1200.51	1.642.1200.51	1.662.1200.51
M 16 x 1,5	5 – 10	6	22	22	1.612.1600.50	1.642.1600.50	1.662.1600.50
M 16 x 1,5	3 – 7	6	22	22	1.612.1600.51	1.642.1600.51	1.662.1600.51
M 20 x 1,5	10 – 14	6	23	24	1.612.2000.50	1.642.2000.50	1.662.2000.50
M 20 x 1,5	7 – 12	6	23	24	1.612.2000.51	1.642.2000.51	1.662.2000.51
M 25 x 1,5	13 – 18	7	24	30	1.612.2500.50	1.642.2500.50	1.662.2500.50
M 25 x 1,5	9 – 16	7	24	30	1.612.2500.51	1.642.2500.51	1.662.2500.51
M 32 x 1,5	20 – 25	8	29	41	1.612.3200.50	1.642.3200.50	1.662.3200.50
M 32 x 1,5	13 – 20	8	29	41	1.612.3200.51	1.642.3200.51	1.662.3200.51
M 40 x 1,5	22 – 32	8	35	50	1.612.4000.50	1.642.4000.50	1.662.4000.50
M 40 x 1,5	20 – 26	8	35	50	1.612.4000.51	1.642.4000.51	1.662.4000.51

Accessories see page 75 and 141

Industrial cable glands

HSK-EMC-Ex e safety cable glands

Cable glands of the HSK-EMC-Ex-series have been designed for standard applications in hazardous locations type „e“ according to EN 60079-0 and EN 60079-7.



You can find in this chapter:

HSK-EMV cable gland series Ex e proofed and 360° EMC connection

- HSK-M-EMC-D-Ex EMC cable gland with best EMI attenuation for easy installation
- HSK-M-EMC-Ex standard EMC version with very good screen attenuation
- HSK-M-PVDF-EMC-Ex high temperature EMC version with very good screen attenuation
- HSK-INOX-EMC-Ex standard EMC version with additional bending protection, made of stainless steel
- HSK-PVDF-EMC-Ex standard EMC version for higher temperatures, made of brass nickel plated or stainless steel
- HSK-MZ-EMC-Ex standard EMC version with very good screen attenuation and additional strain relief

We provide variable clamping ranges, thread lengths, thread types plus different sealing materials and temperature ranges. Our range is completed by global certifications.

For any further question please do not hesitate to contact us. We look forward to develop solutions together with you. You profit of our vast knowledge in development, engineering and production technology.

Contact us:

E-Mail: info@hummel.com

Tel.: +49 (0) 76 66 / 9 11 10 - 0

Advice:

- ➔ you can find HSK-Ex e Multi hole glands and much more in the chapter „HSK-Ex e cable glands for special applications“ from page 131
- ➔ you can find HSK-Ex d standard cable glands from page 137

HSK-EMC-Ex e safety cable glands

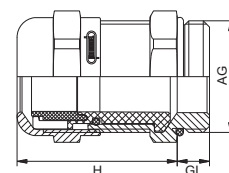
HSK-M-EMC-D-Ex

Metr.



For the international certificates
please see page 174 or our homepage
www.hummel.com

Material	Nickel plated brass
Clamping insert	Metalised Polyamide
Seal	Buna-N
O-Ring	Buna-N
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-20 °C – 95 °C (-4 °F – 203 °F) / -60 °C – 95 °C (-76 °F – 203 °F)



AG	$\varnothing$ mm	GL mm	H mm	mm	Number HSK-M-EMC-D-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-EMC-D-Ex -60 °C – 95 °C (-76 °F – 203 °F)
M 16 x 1,5	5–10	6	29	20	1.636.1600.50	1.637.1600.50
M 20 x 1,5	10–14	6	31	24	1.636.2000.50	1.637.2000.50
M 25 x 1,5	13–18	7	38	30	1.636.2500.50	1.637.2500.50
M 32 x 1,5	18–25	8	43	40	1.636.3200.50	1.637.3200.50
M 40 x 1,5	24–32	8	51	50	1.636.4000.50	1.637.4000.50

➔ Accessories see page 75 and 141

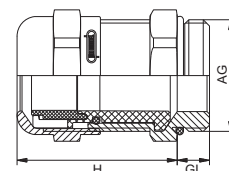
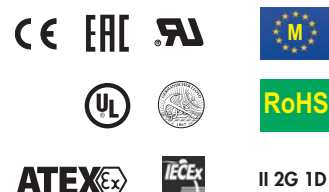
HSK-M-EMC-D-Ex

Metr.-elongated



For the international certificates
please see page 174 or our homepage
www.hummel.com

Material	Nickel plated brass
Clamping insert	Metalised Polyamide
Seal	Buna-N
O-Ring	Buna-N
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-20 °C – 95 °C (-4 °F – 203 °F) / -60 °C – 95 °C (-76 °F – 203 °F)



AG	$\varnothing$ mm	GL mm	H mm	mm	Number HSK-M-EMC-D-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-EMC-D-Ex -60 °C – 95 °C (-76 °F – 203 °F)
M 16 x 1,5	5–10	10	29	20	1.636.1600.30	1.637.1600.30
M 20 x 1,5	10–14	10	31	24	1.636.2000.30	1.637.2000.30
M 25 x 1,5	13–18	12	38	30	1.636.2500.30	1.637.2500.30
M 32 x 1,5	18–25	12	43	40	1.636.3200.30	1.637.3200.30
M 40 x 1,5	24–32	15	51	50	1.636.4000.30	1.637.4000.30

➔ Accessories see page 75 and 141

HSK-EMC-Ex e safety cable glands

HSK-M-EMC-D-Ex

PG

RoHS

CE EAC

UL

II 2G 1D

ATEX

IECEx

For the international certificates
please see page 174 or our homepage
www.hummel.com

Material Nickel plated brass

Clamping insert Metalised Polyamide

Seal Buna-N

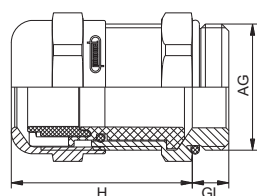
O-Ring Buna-N

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

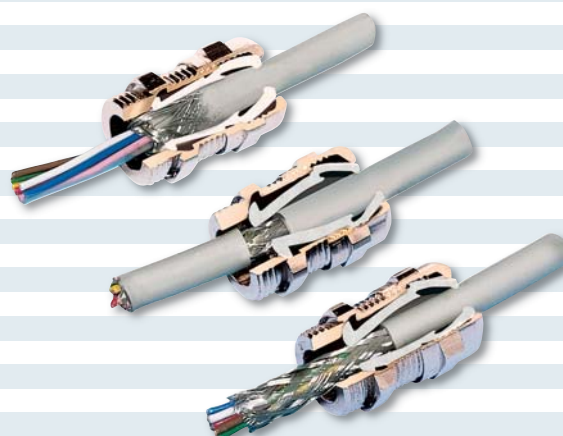
Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) /
-60 °C – 95 °C (-76 °F – 203 °F)

Advice:

- Elongated threads on request



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-M-EMC-D-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-EMC-D-Ex -60 °C – 95 °C (-76 °F – 203 °F)
PG 11	5–10	6	29	20	1.636.1100.01	1.637.1100.01
PG 13,5	7–12	6,5	31	22	1.636.1300.01	1.637.1300.01
PG 16	10–14	6,5	32	24	1.636.1600.01	1.637.1600.01
PG 21	13–18	7	38	30	1.636.2100.01	1.637.2100.01
PG 29	18–25	8	43	40	1.636.2900.01	1.637.2900.01
PG 36	22–32	8	48	50	1.636.3600.01	1.637.3600.01



➔ Accessories see page 75 and 141

HSK-EMC-Ex e safety cable glands

HSK-M-EMC-Ex

Metr.



Material Nickel plated brass

Clamping insert Polyamide

Seal Buna-N

O-Ring Buna-N

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) /
-60 °C – 95 °C (-76 °F – 203 °F)

Advice:

- Elongated threads on request
- Stainless steel on request

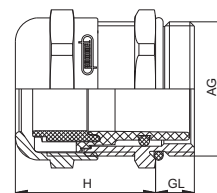


II 2G 1D



For the international certificates
please see page 174 or our homepage
www.hummel.com

See our homepage www.hummel.com
for assembling advices for maximum
cable diameters



AG	$\varnothing$ mm	GL mm	H mm	mm	Number HSK-M-EMC-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-EMC-Ex -60 °C – 95 °C (-76 °F – 203 °F)
M 12 x 1,5	3 – 6,5	6,5	19	14	1.616.1200.50	1.646.1200.50
M 12 x 1,5	2 – 5	6,5	19	14	1.616.1200.51	1.646.1200.51
M 16 x 1,5	6 – 10	6	22	20	1.616.1600.50	1.646.1600.50
M 16 x 1,5	3 – 7	6	22	20	1.616.1600.51	1.646.1600.51
M 20 x 1,5	10 – 14	6	23	24	1.616.2000.50	1.646.2000.50
M 20 x 1,5	7 – 12	6	23	24	1.616.2000.51	1.646.2000.51
M 25 x 1,5	14 – 18	7	24	30	1.616.2500.50	1.646.2500.50
M 25 x 1,5	10 – 16	7	24	30	1.616.2500.51	1.646.2500.51
M 32 x 1,5	20 – 25	8	31	40	1.616.3200.50	1.646.3200.50
M 32 x 1,5	13 – 20	8	31	40	1.616.3200.51	1.646.3200.51
M 40 x 1,5	22 – 32	8	37	50	1.616.4000.50	1.646.4000.50
M 40 x 1,5	20 – 26	8	37	50	1.616.4000.51	1.646.4000.51
M 50 x 1,5	32 – 38	9	37	57	1.616.5000.50	1.646.5000.50
M 50 x 1,5	25 – 31	9	37	57	1.616.5000.51	1.646.5000.51
M 63 x 1,5	37 – 44	10	38	64/68	1.616.6300.50	1.646.6300.50
M 63 x 1,5	29 – 35	10	38	64/68	1.616.6300.51	1.646.6300.51

➔ Accessories see page 75 and 141

HSK-EMC-Ex e safety cable glands

HSK-M-EMC-Ex / HSK-M-EMC-PVDF-Ex

PG, NPT

RoHS

CE EAC

UL SP

II 2G 1D

ATEX Ex

IECEx

For the international certificates
please see page 174 or our homepage
www.hummel.com

Material Nickel plated brass

Clamping insert Polyamide / PVDF

Seal Buna-N / FKM

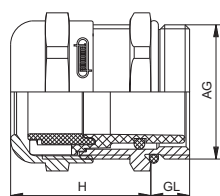
O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) /
-60 °C – 95 °C (-76 °F – 203 °F) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)

Advice:

- Elongated threads on request



AG	mm	GL mm	H mm	mm	Number HSK-M-EMC-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-EMC-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-M-PVDF-EMC-Ex -20 °C – 130 °C (-4 °F – 266 °F)
PG 7	3 – 6,5	5	19	14	1.616.0700.01	1.646.0700.01	1.666.0700.01
PG 7	2 – 5	5	19	14	1.616.0700.15	1.646.0700.15	1.666.0700.15
PG 9	4 – 8	6	21	17	1.616.0900.01	1.646.0900.01	1.666.0900.01
PG 9	2 – 6	6	21	17	1.616.0900.15	1.646.0900.15	1.666.0900.15
PG 11	6 – 10	6	22	20	1.616.1100.01	1.646.1100.01	1.666.1100.01
PG 11	3 – 7	6	22	20	1.616.1100.15	1.646.1100.15	1.666.1100.15
PG 13,5	7 – 12	6,5	24	22	1.616.1300.01	1.646.1300.01	1.666.1300.01
PG 13,5	5 – 9	6,5	24	22	1.616.1300.15	1.646.1300.15	1.666.1300.15
PG 16	10 – 14	6,5	23	24	1.616.1600.01	1.646.1600.01	1.666.1600.01
PG 16	7 – 12	6,5	23	24	1.616.1600.15	1.646.1600.15	1.666.1600.15
PG 21	14 – 18	7	24	30	1.616.2100.01	1.646.2100.01	1.666.2100.01
PG 21	10 – 16	7	24	30	1.616.2100.15	1.646.2100.15	1.666.2100.15
PG 29	20 – 25	8	29	40	1.616.2900.01	1.646.2900.01	1.666.2900.01
PG 29	13 – 20	8	29	40	1.616.2900.15	1.646.2900.15	1.666.2900.15
PG 36	22 – 32	8	35	50	1.616.3600.01	1.646.3600.01	1.666.3600.01
PG 36	20 – 26	8	35	50	1.616.3600.15	1.646.3600.15	1.666.3600.15
PG 42	32 – 38	9	37	57	1.616.4200.01	1.646.4200.01	1.666.4200.01
PG 42	25 – 31	9	37	57	1.616.4200.15	1.646.4200.15	1.666.4200.15
PG 48	37 – 44	10	38	64	1.616.4800.01	1.646.4800.01	1.666.4800.01
PG 48	29 – 35	10	38	64	1.616.4800.15	1.646.4800.15	1.666.4800.15
NPT 3/8"	4 – 8	15	21	17/19	1.616.3800.70	1.646.3800.70	1.666.3800.70
NPT 3/8"	2 – 6	15	21	17/19	1.616.3800.71	1.646.3800.71	1.666.3800.71
NPT 1/2"	7 – 12	13	24	22/24	1.616.1200.70	1.646.1200.70	1.666.1200.70
NPT 1/2"	5 – 9	13	24	22/24	1.616.1200.71	1.646.1200.71	1.666.1200.71
NPT 3/4"	14 – 18	13	25	30	1.616.3400.70	1.646.3400.70	1.666.3400.70
NPT 3/4"	10 – 16	13	25	30	1.616.3400.71	1.646.3400.71	1.666.3400.71

Accessories see page 75 and 141

HSK-EMC-Ex e safety cable glands

HSK-INOX-EMC-Ex

Metr.



Material 1.4305

Clamping insert Polyamide

Seal Buna-N

O-Ring Buna-N

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

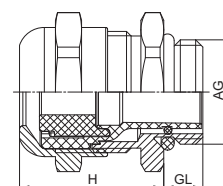
Operating Temperature -60 °C – 95 °C (-76 °F – 203 °F)

Advice:
- Elongated threads on request
- Stainless steel 1.4404 on request



For the international certificates please see page 174 or our homepage www.hummel.com

See our homepage www.hummel.com for assembling advices for maximum cable diameters



AG	$\varnothing$ mm	GL mm	H mm	 mm	Number -60 °C – 95 °C (-76 °F – 203 °F)
M 12 x 1,5	3 – 6,5	6,5	19	14	1.673.1200.50
M 12 x 1,5	2 – 5	6,5	19	14	1.673.1200.51
M 16 x 1,5	5 – 10	6	21	20	1.673.1600.50
M 16 x 1,5	3 – 7	6	21	20	1.673.1600.51
M 20 x 1,5	10 – 14	6	23	24	1.673.2000.50
M 20 x 1,5	7 – 12	6	23	24	1.673.2000.51
M 25 x 1,5	13 – 18	7	26	30	1.673.2500.50
M 25 x 1,5	9 – 16	7	26	30	1.673.2500.51
M 32 x 1,5	18 – 25	8	31	41	1.673.3200.50
M 32 x 1,5	13 – 20	8	31	41	1.673.3200.51
M 40 x 1,5	22 – 32	8	37	50	1.673.4000.50
M 40 x 1,5	20 – 26	8	37	50	1.673.4000.51
PG 7	3 – 6,5	5	19	14	1.673.0700.01
PG 7	2 – 5	5	19	14	1.673.0700.15
PG 9	4 – 8	6	21	17	1.673.0900.01
PG 9	2 – 6	6	21	17	1.673.0900.15
PG 11	5 – 10	6	22	22	1.673.1100.01
PG 11	3 – 7	6	22	22	1.673.1100.15
PG 13,5	7 – 12	6,5	24	22	1.673.1300.01
PG 13,5	5 – 9	6,5	24	22	1.673.1300.15
PG 16	10 – 14	6,5	23	24	1.673.1600.01
PG 16	7 – 12	6,5	23	24	1.673.1600.15
PG 21	13 – 18	7	24	30	1.673.2100.01
PG 21	9 – 16	7	24	30	1.673.2100.15
PG 29	18 – 25	8	29	41	1.673.2900.01
PG 29	13 – 20	8	29	41	1.673.2900.15
PG 36	22 – 32	8	35	50	1.673.3600.01
PG 36	20 – 26	8	35	50	1.673.3600.15

➔ Accessories see page 75 and 141

HSK-EMC-Ex e safety cable glands

HSK-MZ-EMC-Ex

Metr.



II 2G 1D



For the international certificates please see page 174 or our homepage www.hummel.com

See our homepage www.hummel.com for assembling advices for maximum cable diameters

Material Nickel plated brass

Clamping insert Polyamide

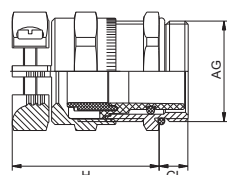
Seal Buna-N

O-Ring Buna-N

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) / -60 °C – 95 °C (-76 °F – 203 °F)

Advice:
- Elongated threads on request



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-M-EMC-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-M-EMC-Ex -60 °C – 95 °C (-76 °F – 203 °F)
M 12 x 1,5	3 – 6,5	6,5	26	14	1.617.1200.50	1.647.1200.50
M 16 x 1,5	6 – 10	6	29	20	1.617.1600.50	1.647.1600.50
M 20 x 1,5	10 – 14	6	32	24	1.617.2000.50	1.647.2000.50
M 25 x 1,5	14 – 18	7	35	30	1.617.2500.50	1.647.2500.50
M 32 x 1,5	20 – 25	8	41	40	1.617.3200.50	1.647.3200.50
M 40 x 1,5	24 – 32	8	48	50	1.617.4000.50	1.647.4000.50
M 50 x 1,5	32 – 38	9	51	57	1.617.5000.50	1.647.5000.50
M 50 x 1,5	28 – 31	9	51	57	1.617.5000.51	1.647.5000.51
M 63 x 1,5	37 – 44	10	52	68	1.617.6300.50	1.647.6300.50
M 63 x 1,5	32 – 35	10	52	68	1.617.6300.51	1.647.6300.51

➔ Accessories see page 75 and 141

HSK-EMC-Ex e safety cable glands

HSK-MZ-EMC-Ex / HSK-MZ-EMC-PVDF-Ex

PG, NPT



Material Nickel plated brass



Clamping insert Polyamide / PVDF



Seal Buna-N / FKM

II 2G 1D

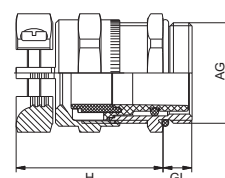


O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) / -60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)

 For the international certificates please see page 174 or our homepage www.hummel.com

 Advice:
- Elongated threads on request


AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-MZ-EMC-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-MZ-EMC-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-MZ-PVDF-EMC-Ex -20 °C – 130 °C (-4 °F – 266 °F)
PG 7	3–6,5	5	26	14	1.617.0700.01	1.647.0700.01	1.667.0700.01
PG 9	4–8	6	28	17	1.617.0900.01	1.647.0900.01	1.667.0900.01
PG 11	6–10	6	29	20	1.617.1100.01	1.647.1100.01	1.667.1100.01
PG 13,5	7–12	6,5	33	22	1.617.1300.01	1.647.1300.01	1.667.1300.01
PG 16	10–14	6,5	32	24	1.617.1600.01	1.647.1600.01	1.667.1600.01
PG 21	13–18	7	35	30	1.617.2100.01	1.647.2100.01	1.667.2100.01
PG 29	20–25	8	41	40	1.617.2900.01	1.647.2900.01	1.667.2900.01
PG 36	24–32	8	48	50	1.617.3600.01	1.647.3600.01	1.667.3600.01
PG 42	32–38	9	51	57	1.617.4200.01	1.647.4200.01	1.667.4200.01
PG 42	28–31	9	51	57	1.617.4200.15	1.647.4200.15	1.667.4200.15
PG 48	37–44	10	51	64	1.617.4800.01	1.647.4800.01	1.667.4800.01
PG 48	32–35	10	51	64	1.617.4800.15	1.647.4800.15	1.667.4800.15
NPT 3/8"	4–8	15	27	17/19	1.617.3800.70	1.647.3800.70	1.667.3800.70
NPT 1/2"	7–12	13	31	22/24	1.617.1200.70	1.647.1200.70	1.667.1200.70
NPT 3/4"	13–18	13	36	30	1.617.3400.70	1.647.3400.70	1.667.3400.70

Industrial cable glands

HSK Ex-e cable glands for special applications

Cable glands of the HSK-Ex e-series have been designed for standard applications in hazardous locations type "e" according to EN 60079-0 and EN 60079-7.



coming soon

You can find in this chapter:

HSK cable gland series Ex e proofed

- HSK-K-Ex-Active cable glands with multi hole and flat cable sealing inserts, made of polyamide coming soon
- HSK-Multi-Ex cable glands with inserts for connecting of more than one cable
- HSK-FLAKA-Ex cable glands with inserts for flat cable
- HSK-MZ-Ex cable glands with additional strain relief

We provide variable clamping ranges, thread lengths, thread types plus different sealing materials and temperature ranges. Our range is completed by global certifications.

For any further question please do not hesitate to contact us. We look forward to develop solutions together with you. You profit of our vast knowledge in development, engineering and production technology.

Contact us:

E-Mail: info@hummel.com

Tel.: +49 (0) 76 66 / 9 11 10 - 0

Advice:

- you can find HSK-Ex d standard cable glands from page 137

HSK Ex-e cable glands for special applications

HSK-K-MZ-Ex

Metr.



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please see page 174 or our homepage
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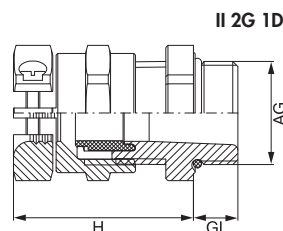
Material Polyamide-AL

Seal Buna-N

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

O-Ring Buna-N

Operating Temperature -20 °C – 70 °C (-4 °F – 158 °F)



AG	mm	GL mm	H mm	mm	Number
M 16 x 1,5	4 – 8	15	29	19	1.215.1601.50
M 20 x 1,5	7 – 12	15	35,5	24	1.215.2001.50
M 25 x 1,5	13 – 18	11	41	33	1.215.2501.50
M 32 x 1,5	18 – 25	11	49	42	1.215.3201.50
M 40 x 1,5	22 – 32	13	58	53	1.215.4001.50
M 50 x 1,5	32 – 38	13	61,5	60	1.215.5001.50
M 63 x 1,5	37 – 44	14	62	65/68	1.215.6301.50

Accessories see page 75 and 141

HSK-K-MZ-Ex

PG



For the international certificates
please see page 174 or our homepage
www.hummel.com

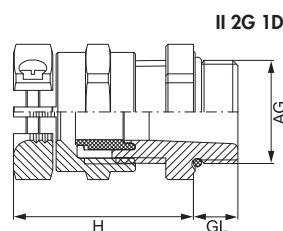
Material Polyamide-AL

Seal Buna-N

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

O-Ring Buna-N

Operating Temperature -20 °C – 70 °C (-4 °F – 158 °F)



AG	mm	GL mm	H mm	mm	Number
PG 9	4 – 8	15	29	19	1.215.0901.14
PG 11	6 – 10	15	32,5	22	1.215.1101.14
PG 13,5	7 – 12	15	35,5	24	1.215.1301.14
PG 16	10 – 14	10	37,5	27	1.215.1601.14
PG 21	13 – 18	11	41	33	1.215.2101.14
PG 29	18 – 25	11	49	42	1.215.2901.14
PG 36	22 – 32	13	58	53	1.215.3601.14
PG 42	32 – 38	13	61,5	60	1.215.4201.14
PG 48	37 – 44	14	62	65	1.215.4801.14

Accessories see page 75 and 141

HSK Ex-e cable glands for special applications

HSK-M-Multi-Ex

Metr., PG, NPT



II 2G 1D



For the international certificates
please see page 174 or our homepage
www.hummel.com

Material Nickel plated brass

Clamping insert Polyamide

Seal Elastomer

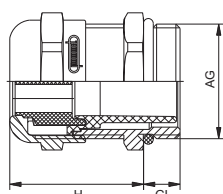
O-Ring Buna-N

Protection IP 68

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F)

Advice:

- Stainless steel on request



AG	GL mm	H mm	mm	Number of Holes x d	Number	Number of Holes x d	Number
M 16 x 1,5	6	21	17 / 19	4 x 1,4	1.687.1600.50	2 x 3	1.687.1601.50
M 20 x 1,5	6	23	22	6 x 3	1.687.2001.50	2 x 5	1.687.2003.50
M 25 x 1,5	7	26	30	4 x 6	1.687.2500.50	3 x 7	1.687.2501.50
M 32 x 1,5	8	31	40	6 x 6,5	1.687.3200.50	4 x 9	1.687.3201.50
M 40 x 1,5	8	37	50	7 x 9	1.687.4001.50	2 x 15	1.687.4003.50
M 50 x 1,5	9	37	57				1.687.5099.50
M 63 x 1,5	10	38	64 / 68	6 x 12	1.687.6301.50	3 x 18	1.687.6302.50
PG 9	6	21	17	4 x 1,4	1.687.0900.01	2 x 3	1.687.0901.01
PG 11	6	22	20	2 x 4	1.687.1102.01	3 x 3	1.687.1101.01
PG 13,5	6,5	24	22	3 x 4	1.687.1302.01	2 x 5	1.687.1303.01
PG 16	6,5	23	24	4 x 4	1.687.1602.01	6 x 4	1.687.1604.01
PG 16	6,5	23	24	3 x 5,6	1.687.1606.01	2 x 6	1.687.1605.01
PG 21	7	24	30	4 x 6	1.687.2100.01	3 x 7	1.687.2101.01
PG 29	8	29	40	6 x 6,5	1.687.2900.01	4 x 9	1.687.2901.01
PG 36	8	35	50	7 x 9	1.687.3601.01	2 x 15	1.687.3603.01
PG 48	10	38	64	6 x 12	1.687.4801.01	3 x 18	1.687.4802.01
NPT 3/8"	15	21	17 / 19	4 x 1,4	1.687.3800.70	2 x 3	1.687.3801.70
NPT 1/2"	13	24	24	3 x 4	1.687.1220.70	2 x 5	1.687.1203.70
NPT 3/4"	13	25	30	4 x 6	1.687.3400.70	3 x 7	1.687.3401.70
NPT 1"	19	29	40	6 x 6,5	1.687.1000.70	4 x 9	1.687.1001.70

Advice: The shown inserts are samples, more inserts upon request

Accessories see page 75 and 141

HSK Ex-e cable glands for special applications

HSK-M-FLAKA-Ex

Metr.



For the international certificates
please see page 174 or our homepage
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Material Nickel plated brass

Clamping insert Polyamide

Seal Elastomer

O-Ring Buna-N

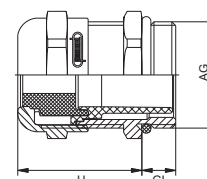
Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F)

Advice:
- Stainless steel 1.4404 on request



ATEX Ex

II 2G 1D



AG	GL mm	H mm	mm	w x h mm	Number	w x h mm	Number
M 20 x 1,5	6	24	24	12 x 7	1.689.2017.50	14 x 6	1.689.2018.50
M 25 x 1,5	7	26	30	14 x 6	1.689.2500.50	14 x 7	1.689.2501.50
M 32 x 1,5	8	31	40	22 x 8	1.689.3200.50		
M 40 x 1,5	8	37	50	28,5 x 10	1.689.4000.50	29 x 5,5	1.689.4001.50
M 40 x 1,5	8	37	50	30,5 x 12	1.689.4002.50	31 x 7,5	1.689.4003.50
M 50 x 1,5	9	37	57	33,5 x 11,5	1.689.5000.50		
M 63 x 1,5	10	38	64/68	38 x 12	1.689.6300.50		

Advice: The shown inserts are samples, more inserts upon request

➔ Accessories see page 75 and 141

HSK-M-FLAKA-Ex

PG, NPT



For the international certificates
please see page 174 or our homepage
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Material Nickel plated brass

Clamping insert Polyamide

Seal Elastomer

O-Ring Buna-N

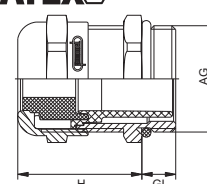
Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F)

Advice:
- Stainless steel 1.4404 on request



ATEX Ex

II 2G 1D



AG	GL mm	H mm	mm	w x h mm	Number	w x h mm	Number
PG 16	6,5	23	24	12 x 7	1.689.1601.01	14 x 6	1.689.1602.01
PG 21	7	24	30	14 x 6	1.689.2100.01	14 x 7	1.689.2101.01
PG 29	8	29	40	22 x 8	1.689.2900.01		
PG 36	8	35	50	28,5 x 10	1.689.3600.01	29 x 5,5	1.689.3601.01
PG 36	8	35	50	30,5 x 12	1.689.3602.01	31 x 7,5	1.689.3603.01
PG 42	9	37	57	33,5 x 11,5	1.689.4200.01		
PG 48	10	38	64	38 x 12	1.689.4802.01		
NPT 3/4"	13	25	30	14 x 6	1.689.3400.70	14 x 7	1.689.3401.70
NPT 1"	19	29	40	22 x 8	1.689.1000.70		

Advice: The shown inserts are samples, more inserts upon request

➔ Accessories see page 75 and 141

HSK Ex-e cable glands for special applications

HSK-MZ-Ex / HSK-MZ-PVDF-Ex

Metr.



II 2G 1D



For the international certificates
please see page 174 or our homepage
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Material Nickel plated brass

Clamping insert Polyamide / PVDF

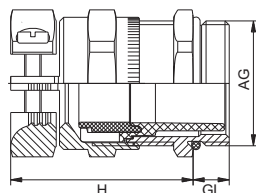
Seal Buna-N / FKM

O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) /
-60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)

Advice:
- Elongated threads on request



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-MZ-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-MZ-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-MZ-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
M 12 x 1,5	3 – 6,5	6,5	26	14	1.611.1200.50	1.641.1200.50	1.661.1200.50
M 16 x 1,5	4 – 8	6	28	19	1.611.1600.50	1.641.1600.50	1.661.1600.50
M 16 x 1,5	6 – 10	6	30	20	1.611.1611.50	1.641.1611.50	1.661.1611.50
M 20 x 1,5	7 – 12	6	33	22	1.611.2000.50	1.641.2000.50	1.661.2000.50
M 20 x 1,5	10 – 14	6	33	24	1.611.2016.50	1.641.2016.50	1.661.2016.50
M 25 x 1,5	14 – 18	7	37	30	1.611.2500.50	1.641.2500.50	1.661.2500.50
M 32 x 1,5	20 – 25	8	43	40	1.611.3200.50	1.641.3200.50	1.661.3200.50
M 40 x 1,5	24 – 32	8	50	50	1.611.4000.50	1.641.4000.50	1.661.4000.50
M 50 x 1,5	32 – 38	9	51	57	1.611.5000.50	1.641.5000.50	
M 63 x 1,5	37 – 44	10	52	64/68	1.611.6300.50	1.641.6300.50	

➔ Accessories see page 75 and 141

HSK Ex-e cable glands for special applications

HSK-MZ-Ex / HSK-MZ-PVDF-Ex

PG


For the international certificates
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www.hummel.com

Advice:
- Elongated threads on request.

Material Nickel plated brass

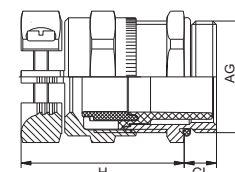
Clamping insert Polyamide / PVDF

Seal Buna-N / FKM

O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) /
-60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)


ATEX
II 2G 1D


AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-MZ-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-MZ-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-MZ-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
PG 7	3 – 6,5	5	26	14	1.611.0700.01	1.641.0700.01	1.661.0700.01
PG 9	4 – 8	6	28	17	1.611.0900.01	1.641.0900.01	1.661.0900.01
PG 11	6 – 10	6	30	20	1.611.1100.01	1.641.1100.01	1.661.1100.01
PG 13,5	7 – 12	6	33	22	1.611.1300.01	1.641.1300.01	1.661.1300.01
PG 16	10 – 14	6	33	24	1.611.1600.01	1.641.1600.01	1.661.1600.01
PG 21	13 – 18	7	37	30	1.611.2100.01	1.641.2100.01	1.661.2100.01
PG 29	20 – 25	8	43	40	1.611.2900.01	1.641.2900.01	1.661.2900.01
PG 36	24 – 32	8	50	50	1.611.3600.01	1.641.3600.01	1.661.3600.01
PG 42	32 – 38	9	51	57	1.611.4200.01	1.641.4200.01	1.661.4200.01
PG 48	37 – 44	10	52	64	1.611.4800.01	1.641.4800.01	1.661.4800.01

➔ Accessories see page 75 and 141

HSK-MZ-Ex / HSK-MZ-PVDF-Ex

NPT


For the international certificates
please see page 174 or our homepage
www.hummel.com

Advice:
- Elongated threads on request.

Material Nickel plated brass

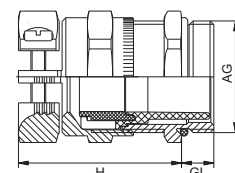
Clamping insert Polyamide / PVDF

Seal Buna-N / FKM

O-Ring Buna-N / FKM

Protection IP 68 – 10 bar / IP 69K

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (PA) /
-60 °C – 95 °C (-76 °F – 203 °F) (PA) / -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)


ATEX
II 2G 1D


AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-MZ-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number HSK-MZ-Ex -60 °C – 95 °C (-76 °F – 203 °F)	Number HSK-MZ-PVDF-Ex -20 °C – 130 °C (-4 °F – 266 °F)
NPT 3/8"	4 – 8	15	28	17 / 19	1.611.3800.70	1.641.3800.70	1.661.3800.70
NPT 1/2"	7 – 12	13	33	22 / 24	1.611.1200.70	1.641.1200.70	1.661.1200.70
NPT 3/4"	13 – 18	13	37	30	1.611.3400.70	1.641.3400.70	1.661.3400.70
NPT 1"	20 – 25	19	43	40	1.611.1000.70	1.641.1000.70	

➔ Accessories see page 75 and 141

Industrial cable glands

HSK-Ex d safety cable glands

Cable glands of the HSK-Ex d series have been designed for standard applications in hazardous locations type "e" and/or "d" according to EN 60079-0, EN 60079-1 and EN 60079-7



You can find in this chapter:

HSK-Ex d cable gland, made of

- Brass
- Brass with additional stain-relief
- Acid-resistant stainless steel

We provide variable clamping ranges, thread types and temperature ranges. Our range is completed by global certifications.

For any further question please do not hesitate to contact us. We look forward to develop solutions together with you. You profit of our vast knowledge in development, engineering and production technology.

Contact us:

E-Mail: info@hummel.com

Tel.: +49(0)7666/91110-0

HSK-Ex d safety cable glands

HSK-M-Ex d / HSK-M-PVDF-Ex d

Metr.

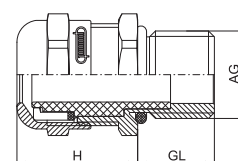


For the international certificates
please see page 174 or our homepage
www.hummel.com

Material	Nickel plated brass
Clamping insert	Polyamide / PVDF
Seal	FKM / FKM
O-Ring	FKM / FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-60 °C – 105 °C (-76 °F – 221 °F) (PA) -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)



II 2G 1D Ex d IIC



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-M-Ex d -60 °C – 105 °C (-76 °F – 221 °F)	Number HSK-M-PVDF-Ex d -20 °C – 130 °C (-4 °F – 266 °F)
M 12 x 1,5	3 – 6,5	16	18,7	14	1.622.1200.50	1.634.1200.50
M 12 x 1,5	2 – 5	16	18,7	14	1.622.1200.51	1.634.1200.51
M 16 x 1,5	5 – 10	16	22	20	1.622.1600.50	1.634.1600.50
M 16 x 1,5	3 – 7	16	22	20	1.622.1600.51	1.634.1600.51
M 20 x 1,5	10 – 14	16	25	24	1.622.2000.50	1.634.2000.50
M 20 x 1,5	7 – 12	16	25	24	1.622.2000.51	1.634.2000.51
M 25 x 1,5	13 – 18	16	26,5	30	1.622.2500.50	1.634.2500.50
M 25 x 1,5	9 – 16	16	26,5	30	1.622.2500.51	1.634.2500.51
M 32 x 1,5	18 – 25	16	32	40	1.622.3200.50	1.634.3200.50
M 32 x 1,5	14 – 20	16	32	40	1.622.3200.51	1.634.3200.51
M 40 x 1,5	22 – 32	16	38,5	50	1.622.4000.50	1.634.4000.50
M 40 x 1,5	20 – 26	16	38,5	50	1.622.4000.51	1.634.4000.51

Accessories see page 75 and 141

HSK-M-Ex d / HSK-M-PVDF-Ex d

NPT

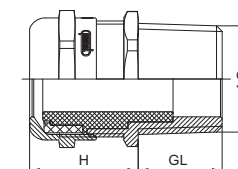


For the international certificates
please see page 174 or our homepage
www.hummel.com

Material	Nickel plated brass
Clamping insert	Polyamide / PVDF
Seal	FKM / FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-60 °C – 105 °C (-76 °F – 221 °F) (PA) -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)



II 2G 1D Ex d IIC



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-M-Ex d -60 °C – 105 °C (-76 °F – 221 °F)	Number HSK-M-PVDF-Ex d -20 °C – 130 °C (-4 °F – 266 °F)
NPT 3/8"	5 – 10	16	22	20	1.622.3800.70	1.634.3800.70
NPT 3/8"	3 – 7	16	22	20	1.622.3800.71	1.634.3800.71
NPT 1/2"	10 – 14	20	25	24	1.622.1200.70	1.634.1200.70
NPT 1/2"	7 – 12	20	25	24	1.622.1200.71	1.634.1200.71
NPT 3/4"	13 – 18	20,5	26,5	30	1.622.3400.70	1.634.3400.70
NPT 3/4"	9 – 16	20,5	26,5	30	1.622.3400.71	1.634.3400.71
NPT 1"	18 – 25	25	32	40	1.622.1000.70	
NPT 1"	14 – 20	25	32	40	1.622.1000.71	
NPT 1 1/4"	22 – 32	26	38,5	50	1.622.5400.70	
NPT 1 1/4"	20 – 26	26	38,5	50	1.622.5400.71	
NPT 1 1/2"	22 – 32	26,5	38,5	50	1.622.6400.70	
NPT 1 1/2"	20 – 26	26,5	38,5	50	1.622.6400.71	

Accessories see page 75 and 141

HSK-Ex d safety cable glands

HSK-MZ-Ex d

Metr.

II 2G 1D Ex d IIC

Material	Nickel plated brass
Clamping insert	Polyamide
Seal	FKM
O-Ring	FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-60 °C – 105 °C (-76 °F – 221 °F)

For the international certificates
please see page 174 or our homepage
www.hummel.com

AG	mm	GL mm	H mm	mm	Number HSK-MZ-Ex d -60 °C – 105 °C (-76 °F – 221 °F)
M 12 x 1,5	3 – 6,5	16	26	14	1.628.1200.50
M 16 x 1,5	5 – 10	16	30,2	20	1.628.1600.50
M 20 x 1,5	10 – 14	16	34	24	1.628.2000.50
M 25 x 1,5	13 – 18	16	37,8	30	1.628.2500.50
M 32 x 1,5	18 – 25	16	44	40	1.628.3200.50
M 40 x 1,5	22 – 32	16	51,5	50	1.628.4000.50

➔ Accessories see page 75 and 141

HSK-MZ-Ex d

NPT

II 2G 1D Ex d IIC

Material	Nickel plated brass
Clamping insert	Polyamide
Seal	FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-60 °C – 105 °C (-76 °F – 221 °F)

For the international certificates
please see page 174 or our homepage
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AG	mm	GL mm	H mm	mm	Number HSK-MZ-Ex d -60 °C – 105 °C (-76 °F – 221 °F)
NPT 3/8"	5 – 10	16	30	20	1.628.3800.70
NPT 1/2"	10 – 14	20	33,6	24	1.628.1200.70
NPT 3/4"	13 – 18	20,5	37,8	30	1.628.3400.70
NPT 1"	18 – 25	25	44	40	1.628.1000.70
NPT 1 1/4"	22 – 32	26	51,5	50	1.628.5400.70
NPT 1 1/2"	22 – 32	26,5	51,5	50	1.628.6400.70

➔ Accessories see page 75 and 141

HSK-Ex d safety cable glands

HSK-INOX-Ex d / HSK-INOX-PVDF-Ex d

Metr.

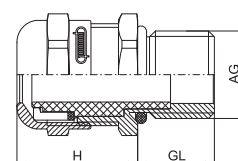


For the international certificates
please see page 174 or our homepage
www.hummel.com

Material	INOX (1.4404)
Clamping insert	Polyamide / PVDF
Seal	FKM / FKM
O-Ring	FKM / FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-60 °C – 105 °C (-76 °F – 221 °F) (PA) -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)



II 2G 1D Ex d IIC



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-INOX-Ex d -60 °C – 105 °C (-76 °F – 221 °F)	Number HSK-INOX-PVDF-Ex d -20 °C – 130 °C (-4 °F – 266 °F)
M 12 x 1,5	3 – 6,5	16	19	14	1.632.1200.50	1.633.1200.50
M 12 x 1,5	2 – 5	16	19	14	1.632.1200.51	1.633.1200.51
M 16 x 1,5	5 – 10	16	22	20	1.632.1600.50	1.633.1600.50
M 16 x 1,5	3 – 7	16	22	20	1.632.1600.51	1.633.1600.51
M 20 x 1,5	10 – 14	16	25	24	1.632.2000.50	1.633.2000.50
M 20 x 1,5	7 – 12	16	25	24	1.632.2000.51	1.633.2000.51
M 25 x 1,5	13 – 18	16	26,5	30	1.632.2500.50	1.633.2500.50
M 25 x 1,5	9 – 16	16	26,5	30	1.632.2500.51	1.633.2500.51
M 32 x 1,5	18 – 25	16	32	40	1.632.3200.50	1.633.3200.50
M 32 x 1,5	14 – 20	16	32	40	1.632.3200.51	1.633.3200.51
M 40 x 1,5	22 – 32	16	38,5	50	1.632.4000.50	1.633.4000.50
M 40 x 1,5	20 – 26	16	38,5	50	1.632.4000.51	1.633.4000.51

Accessories see page 75 and 141

HSK-INOX-Ex d / HSK-INOX-PVDF-Ex d

NPT

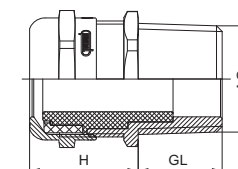


For the international certificates
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Material	INOX (1.4404)
Clamping insert	Polyamide / PVDF
Seal	FKM / FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-60 °C – 105 °C (-76 °F – 221 °F) (PA) -20 °C – 130 °C (-4 °F – 266 °F) (PVDF)



II 2G 1D Ex d IIC



AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-INOX-Ex d -60 °C – 105 °C (-76 °F – 221 °F)	Number HSK-INOX-PVDF-Ex d -20 °C – 130 °C (-4 °F – 266 °F)
NPT 3/8"	5 – 10	16	22	20	1.632.3800.70	1.633.3800.70
NPT 3/8"	3 – 7	16	22	20	1.632.3800.71	1.633.3800.71
NPT 1/2"	10 – 14	20	25	24	1.632.1200.70	1.633.1200.70
NPT 1/2"	7 – 12	20	25	24	1.632.1200.71	1.633.1200.71
NPT 3/4"	13 – 18	20,5	26,5	30	1.632.3400.70	1.633.3400.70
NPT 3/4"	9 – 16	20,5	26,5	30	1.632.3400.71	1.633.3400.71

Accessories see page 75 and 141

Industrial cable glands

Ex accessories

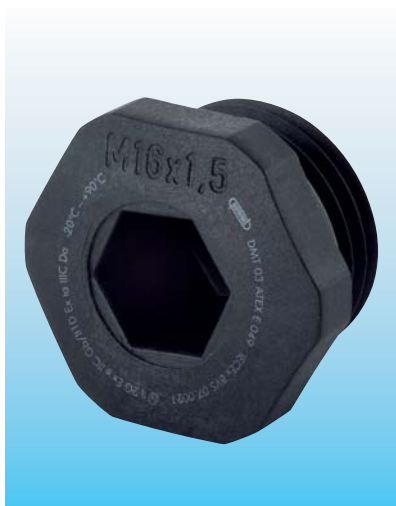
You can find in this chapter accessories for all series of our industrial cable glands for hazardous locations with protection "e" and/or "d":

- Accessories made of plastic starting on page 142
- Accessories made of nickel plated brass starting on page 145
- Accessories made of stainless steel starting on page 149



V-Ex

Metr.

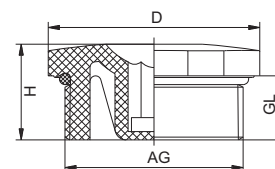


Material	Polyamide, fiber reinforced
O-Ring	Buna-N
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-20 °C – 90 °C (-4 °F – 194 °F)
Colors	black (RAL 9005)



II 2G 1D

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AG	GL mm	H mm	D mm	 mm	 mm	Number
M 12 x 1,5	8,5	13	16,5	15	6	1.297.1201.50
M 16 x 1,5	8,5	13	20,5	19	8	1.297.1601.50
M 20 x 1,5	9	14,5	25,5	24	8	1.297.2001.50
M 25 x 1,5	10,5	16	30,5	28	8	1.297.2501.50
M 32 x 1,5	11,5	17,5	38	36	8	1.297.3201.50
M 40 x 1,5	11,5	18	48	46	8	1.297.4001.50
M 50 x 1,5	13,5	20	60	55	8	1.297.5001.50
M 63 x 1,5	14,5	21	75	70	8	1.297.6301.50

V-Ex

PG

RoHS

CE EAC

IECEx

ATEX

IECEx

II 2G 1D

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please see page 174 or our homepage
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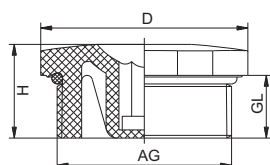
Material Polyamide, fiber reinforced

O-Ring Buna-N

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 90 °C (-4 °F – 194 °F)

Colors black (RAL 9005)



AG	GL mm	H mm	D mm	 mm	 mm	Number
PG 7	8,5	13	16,5	15	6	1.297.0701.11
PG 9	8,5	13	20,5	19	8	1.297.0901.11
PG 11	9	14,5	25,5	24	8	1.297.1101.11
PG 13,5	9	14,5	25,5	24	8	1.297.1301.11
PG 16	10,5	16	30,5	28	8	1.297.1601.11
PG 21	11,5	17,5	38	36	8	1.297.2101.11
PG 29	11,5	18	48	46	8	1.297.2901.11
PG 36	13,5	20	60	55	8	1.297.3601.11
PG 42	13,5	20	65	60	8	1.297.4201.11
PG 48	14,5	21	75	70	8	1.297.4801.11

HSK-V-Ex

Metr., PG, NPT

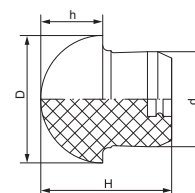


Material Elastomer

Operating Temperature -40 °C – 95 °C (-40 °F – 203 °F)

Colors black (RAL 9005)

Advice:
- Elongated threads on request



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Fits the following sizes	D mm	d mm	H mm	h mm	Number
PG 7 M 12 x 1,5	9,5	6,3	11,5	4,5	1.296.0701.11
PG 9 M 16 x 1,5 NPT 3/8"	11	7,8	13,5	5,5	1.296.0901.11
PG 11 M 16 x 1,5	13,5	9,8	14,5	5,5	1.296.1101.11
PG 13,5 M 20 x 1,5 NPT 1/2"	16	11,8	18	8	1.296.1301.11
PG 16 M 20 x 1,5 NPT 1/2"/16	18,5	13,8	19	9	1.296.1601.11
PG 21 M 25 x 1,5 NPT 3/4"	22	17,8	22	11	1.296.2101.11
PG 29 M 32 x 1,5 NPT 1" NPT 1 1/4"	29	25	25	10	1.296.2901.11
PG 36 M 40 x 1,5 NPT 1 1/2"	38	32	28	11	1.296.3601.11
PG 42 M 50 x 1,5	43	38	30	12	1.296.4201.11
PG 48 M 63 x 1,5	49	44	30	12	1.296.4801.11

HSK-V-Ex MZ variety

Metr., PG, NPT

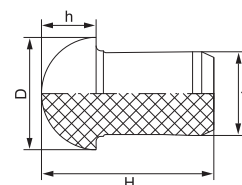


Material Elastomer

Operating Temperature -40 °C – 95 °C (-40 °F – 203 °F)

Colors black (RAL 9005)

Advice:
- This plug is suitable in all HSK glands with additional strain relief



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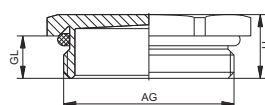
Fits the following sizes	D mm	d mm	H mm	h mm	Number
PG 7 M 12 x 1,5	9,5	6,3	18	4,5	1.296.0701.61
PG 9 M 16 x 1,5 NPT 3/8"	11	7,8	20,5	5,5	1.296.0901.61
PG 11 M 16 x 1,5	13,5	9,8	22	5,5	1.296.1101.61
PG 13,5 M 20 x 1,5 NPT 1/2"	16	11,8	26,5	8	1.296.1301.61
PG 16 M 20 x 1,5 NPT 1/2"/16	18,5	13,8	28,4	9	1.296.1601.61
PG 21 M 25 x 1,5 NPT 3/4"	22	17,8	32	11	1.296.2101.61
PG 29 M 32 x 1,5 NPT 1" NPT 1 1/4"	29	25	35,5	10	1.296.2901.61
PG 36 M 40 x 1,5 NPT 1 1/2"	38	32	39	11	1.296.3601.61

V-Ms-Ex / V-Ms-FKM-Ex / V-Ms-VMQ-Ex

Metr.



II 2G 1D



Material Nickel plated brass

Protection IP 68 – 10 bar/IP 69K (NEMA 6 – 150 PSIG)

**V-Ms-Ex
O-Ring** Buna-N

**V-Ms-FKM-Ex
O-Ring** FKM

**V-Ms-VMQ-Ex
O-Ring** VMQ

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (Buna-N)
-20 °C – 180 °C (-4 °F – 356 °F) (FKM), -60 °C – 180 °C (-76 °F – 356 °F) (VMQ)



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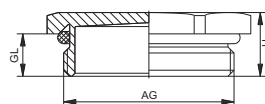
AG	GL mm	H mm	mm	Number V-Ms-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number V-Ms-FKM-Ex -20 °C – 180 °C (-4 °F – 356 °F)	Number V-Ms-VMQ-Ex -60 °C – 180 °C (-76 °F – 356 °F)
M 12 x 1,5	6,5	9,5	14	1.197.1200.50	1.198.1200.50	1.199.1200.50
M 16 x 1,5	6	9	19	1.197.1600.50	1.198.1600.50	1.199.1600.50
M 20 x 1,5	6	9,5	22	1.197.2000.50	1.198.2000.50	1.199.2000.50
M 25 x 1,5	7	10,5	30	1.197.2500.50	1.198.2500.50	1.199.2500.50
M 32 x 1,5	8	12,5	41	1.197.3200.50	1.198.3200.50	1.199.3200.50
M 40 x 1,5	8	13	46	1.197.4000.50	1.198.4000.50	1.199.4000.50
M 50 x 1,5	9	15	55	1.197.5000.50	1.198.5000.50	1.199.5000.50
M 63 x 1,5	10	16,5	70	1.197.6300.50	1.198.6300.50	1.199.6300.50

V-Ms-Ex / V-Ms-FKM-Ex / V-Ms-VMQ-Ex

PG



II 2G 1D



Material Nickel plated brass

Protection IP 68 – 10 bar/IP 69K (NEMA 6 – 150 PSIG)

**V-Ms-Ex
O-Ring** Buna-N

**V-Ms-FKM-Ex
O-Ring** FKM

**V-Ms-VMQ-Ex
O-Ring** VMQ

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (Buna-N)
-20 °C – 180 °C (-4 °F – 356 °F) (FKM), -60 °C – 180 °C (-76 °F – 356 °F) (VMQ)



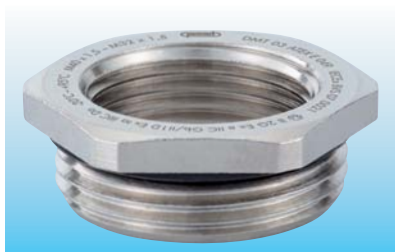
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AG	GL mm	H mm	mm	Number V-Ms-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number V-Ms-FKM-Ex -20 °C – 180 °C (-4 °F – 356 °F)	Number V-Ms-VMQ-Ex -60 °C – 180 °C (-76 °F – 356 °F)
PG 7	5	8	14	1.197.0700.01	1.198.0700.01	1.199.0700.01
PG 9	6	9	17	1.197.0900.01	1.198.0900.01	1.199.0900.01
PG 11	6	9,5	20	1.197.1100.01	1.198.1100.01	1.199.1100.01
PG 13,5	6,5	10	22	1.197.1300.01	1.198.1300.01	1.199.1300.01
PG 16	6,5	10	24	1.197.1600.01	1.198.1600.01	1.199.1600.01
PG 21	7	10,5	30	1.197.2100.01	1.198.2100.01	1.199.2100.01
PG 29	8	12,5	41	1.197.2900.01	1.198.2900.01	1.199.2900.01
PG 36	8	13	50	1.197.3600.01	1.198.3600.01	1.199.3600.01
PG 42	9	15	58	1.197.4200.01	1.198.4200.01	1.199.4200.01
PG 48	10	16,5	65	1.197.4800.01	1.198.4800.01	1.199.4800.01

Ex accessories

RSD-MS-Ex

Metr.



Material Nickel plated brass

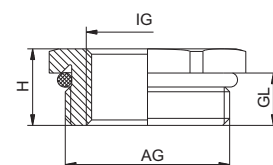
O-Ring Buna-N / VMQ

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20°C – 95°C (-4°F – 203°F) (Buna-N)
-60°C – 180°C (-76°F – 356°F) (VMQ)



II 2G 1D



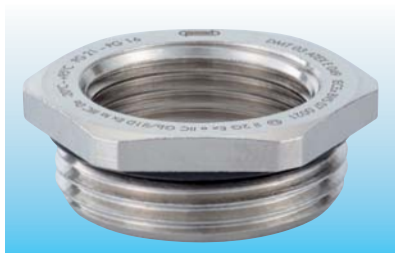
For the international certificates
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AG	IG	GL mm	H mm	Number Buna-N -20°C – 95°C (-4°F – 203°F)	Number VMQ -60°C – 180°C (-76°F – 356°F)
M 16 x 1,5	M 12 x 1,5	5	17	1.078.1612.50	1.079.1612.50
M 20 x 1,5	M 12 x 1,5	6	22	1.078.2012.50	1.079.2012.50
M 20 x 1,5	M 16 x 1,5	6	22	1.078.2016.50	1.079.2016.50
M 25 x 1,5	M 16 x 1,5	7	29	1.078.2516.50	1.079.2516.50
M 25 x 1,5	M 20 x 1,5	7	29	1.078.2520.50	1.079.2520.50
M 32 x 1,5	M 16 x 1,5	8	34	1.078.3216.50	1.079.3216.50
M 32 x 1,5	M 20 x 1,5	8	34	1.078.3220.50	1.079.3220.50
M 32 x 1,5	M 25 x 1,5	8	34	1.078.3225.50	1.079.3225.50
M 40 x 1,5	M 20 x 1,5	8	43	1.078.4020.50	1.079.4020.50
M 40 x 1,5	M 25 x 1,5	8	43	1.078.4025.50	1.079.4025.50
M 40 x 1,5	M 32 x 1,5	8	43	1.078.4032.50	1.079.4032.50
M 50 x 1,5	M 25 x 1,5	9	55	1.078.5025.50	1.079.5025.50

AG	IG	GL mm	H mm	Number Buna-N -20°C – 95°C (-4°F – 203°F)	Number VMQ -60°C – 180°C (-76°F – 356°F)
M 50 x 1,5	M 32 x 1,5	9	55	1.078.5032.50	1.079.5032.50
M 50 x 1,5	M 40 x 1,5	9	55	1.078.5040.50	1.079.5040.50
M 63 x 1,5	M 32 x 1,5	10	65	1.078.6332.50	1.079.6332.50
M 63 x 1,5	M 40 x 1,5	10	65	1.078.6340.50	1.079.6340.50
M 63 x 1,5	M 50 x 1,5	10	65	1.078.6350.50	1.079.6350.50

RSD-MS-Ex

PG



Material Nickel plated brass

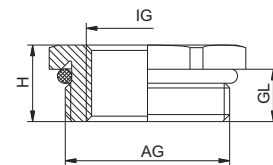
O-Ring Buna-N / VMQ

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20°C – 95°C (-4°F – 203°F) (Buna-N)
-60°C – 180°C (-76°F – 356°F) (VMQ)



II 2G 1D



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AG	IG	GL mm	H mm	H mm	Number Buna-N -20°C – 95°C (-4°F – 203°F)	Number VMQ -60°C – 180°C (-76°F – 356°F)
PG 9	PG 7	6	8,8	17	1.078.0907.01	1.079.0907.01
PG 11	PG 7	6	9	20	1.078.1107.01	1.079.1107.01
PG 11	PG 9	6	9	20	1.078.1109.01	1.079.1109.01
PG 13,5	PG 9	6,5	9,5	22	1.078.1309.01	1.079.1309.01
PG 16	PG 9	6,5	9,5	24	1.078.1609.01	1.079.1609.01
PG 16	PG 11	6,5	9,5	24	1.078.1611.01	1.079.1611.01
PG 16	PG 13,5	6,5	9,5	24	1.078.1613.01	1.079.1613.01
PG 21	PG 11	7	10,3	30	1.078.2111.01	1.079.2111.01
PG 21	PG 13,5	7	10,3	30	1.078.2113.01	1.079.2113.01
PG 21	PG 16	7	10,3	30	1.078.2116.01	1.079.2116.01
PG 29	PG 16	8	11,5	40	1.078.2916.01	1.079.2916.01
PG 29	PG 21	8	11,5	40	1.078.2921.01	1.079.2921.01

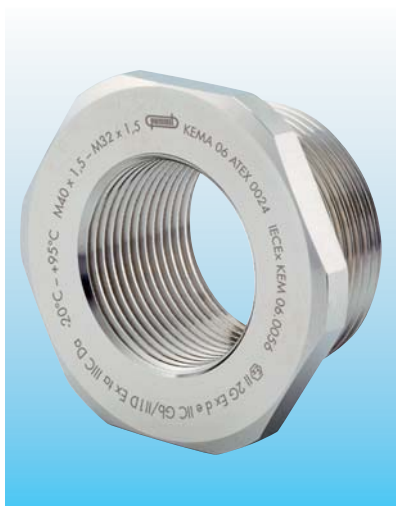
AG	IG	GL mm	H mm	H mm	Number Buna-N -20°C – 95°C (-4°F – 203°F)	Number VMQ -60°C – 180°C (-76°F – 356°F)
PG 36	PG 21	9	12,5	50	1.078.3621.01	1.079.3621.01
PG 36	PG 29	9	12,5	50	1.078.3629.01	1.079.3629.01
PG 42	PG 29	10	13,5	57	1.078.4229.01	1.079.4229.01
PG 42	PG 36	10	13,5	57	1.078.4236.01	1.079.4236.01
PG 48	PG 36	10	13,5	64	1.078.4836.01	1.079.4836.01
PG 48	PG 42	10	13,5	64	1.078.4842.01	1.079.4842.01

M



RSD-MS-Ex d

Metr.



Material Nickel plated brass

O-Ring Buna-N / VMQ

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

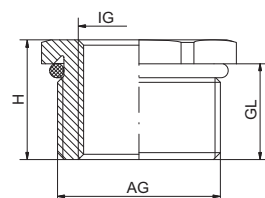
Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (Buna-N)
-60 °C – 180 °C (-76 °F – 356 °F) (VMQ)



II 2G 1D Ex d IIC



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AG	IG	GL mm	H mm	 mm	Number Buna-N -20 °C – 95 °C (-4 °F – 203 °F)	Number VMQ -60 °C – 180 °C (-76 °F – 356 °F)
M 16 x 1,5	M 12 x 1,5	16	19	19	1.878.1612.50	1.879.1612.50
M 20 x 1,5	M 12 x 1,5	16	19,5	22	1.878.2012.50	1.879.2012.50
M 20 x 1,5	M 16 x 1,5	16	19,5	22	1.878.2016.50	1.879.2016.50
M 25 x 1,5	M 16 x 1,5	16	19,5	30	1.878.2516.50	1.879.2516.50
M 25 x 1,5	M 20 x 1,5	16	19,5	30	1.878.2520.50	1.879.2520.50
M 32 x 1,5	M 16 x 1,5	16	20,5	41	1.878.3216.50	1.879.3216.50
M 32 x 1,5	M 20 x 1,5	16	20,5	41	1.878.3220.50	1.879.3220.50
M 32 x 1,5	M 25 x 1,5	16	20,5	41	1.878.3225.50	1.879.3225.50
M 40 x 1,5	M 20 x 1,5	16	21	46	1.878.4020.50	1.879.4020.50
M 40 x 1,5	M 25 x 1,5	16	21	46	1.878.4025.50	1.879.4025.50
M 40 x 1,5	M 32 x 1,5	16	21	46	1.878.4032.50	1.879.4032.50
M 50 x 1,5	M 25 x 1,5	16	21	55	1.878.5025.50	1.879.5025.50
M 50 x 1,5	M 32 x 1,5	16	21	55	1.878.5032.50	1.879.5032.50

V-INOX-Ex Metr.

II 2G 1D

Material	INOX (1.4305)
Protection	IP 68 - 10 bar / IP 69K (NEMA 6 – 150 PSIG)
V-INOX-Ex O-Ring	Buna-N
V-INOX-FKM-Ex O-Ring	FKM
V-INOX-VMQ-Ex O-Ring	VMQ
Operating Temperature	-20 °C – 95 °C (-4 °F – 203 °F) (Buna-N) -20 °C – 180 °C (-4 °F – 356 °F) (FKM), -60 °C – 180 °C (-76 °F – 356 °F) (VMQ)

DMT 03 ATEX E 049
IECEx BV8-07-0021
Ex II 2G Ex n IIC Gb/I D Ex n IIC Dg
-20°C – +95°C
M16 x 1,5

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AG	GL mm	H mm	mm	Number V-INOX-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number V-INOX-FKM-Ex -20 °C – 180 °C (-4 °F – 356 °F)	Number V-INOX-VMQ-Ex -60 °C – 180 °C (-76 °F – 356 °F)
M 12 x 1,5	6,5	9,5	14	1.192.1200.50	1.193.1200.50	1.194.1200.50
M 16 x 1,5	6	9	19	1.192.1600.50	1.193.1600.50	1.194.1600.50
M 20 x 1,5	6	9,5	22	1.192.2000.50	1.193.2000.50	1.194.2000.50
M 25 x 1,5	7	10,5	30	1.192.2500.50	1.193.2500.50	1.194.2500.50
M 32 x 1,5	8	12,5	41	1.192.3200.50	1.193.3200.50	1.194.3200.50
M 40 x 1,5	8	13	46	1.192.4000.50	1.193.4000.50	1.194.4000.50
M 50 x 1,5	9	15	55	1.192.5000.50	1.193.5000.50	1.194.5000.50
M 63 x 1,5	10	16,5	70	1.192.6300.50	1.193.6300.50	1.194.6300.50

V-INOX-Ex PG

II 2G 1D

Material	INOX (1.4305)
Protection	IP 68 - 10 bar / IP 69K (NEMA 6 – 150 PSIG)
V-INOX-Ex O-Ring	Buna-N
V-INOX-FKM-Ex O-Ring	FKM
V-INOX-VMQ-Ex O-Ring	VMQ
Operating Temperature	-20 °C – 95 °C (-4 °F – 203 °F) (Buna-N) -20 °C – 180 °C (-4 °F – 356 °F) (FKM), -60 °C – 180 °C (-76 °F – 356 °F) (VMQ)

DMT 03 ATEX E 049
IECEx BV8-07-0021
Ex II 2G Ex n IIC Gb/I D Ex n IIC Dg
-20°C – +95°C
PG 16

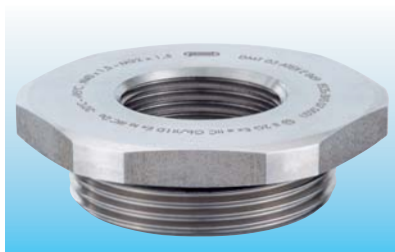
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AG	GL mm	H mm	mm	Number V-INOX-Ex -20 °C – 95 °C (-4 °F – 203 °F)	Number V-INOX-FKM-Ex -20 °C – 180 °C (-4 °F – 356 °F)	Number V-INOX-VMQ-Ex -60 °C – 180 °C (-76 °F – 356 °F)
PG 7	5	8	14	1.192.0700.01	1.193.0700.01	1.194.0700.01
PG 9	6	9	17	1.192.0900.01	1.193.0900.01	1.194.0900.01
PG 11	6	9,5	20	1.192.1100.01	1.193.1100.01	1.194.1100.01
PG 13,5	6,5	10	22	1.192.1300.01	1.193.1300.01	1.194.1300.01
PG 16	6,5	10	24	1.192.1600.01	1.193.1600.01	1.194.1600.01
PG 21	7	10,5	30	1.192.2100.01	1.193.2100.01	1.194.2100.01
PG 29	8	12,5	41	1.192.2900.01	1.193.2900.01	1.194.2900.01
PG 36	8	13	50	1.192.3600.01	1.193.3600.01	1.194.3600.01
PG 42	9	15	58	1.192.4200.01	1.193.4200.01	1.194.4200.01
PG 48	10	16,5	65	1.192.4800.01	1.193.4800.01	1.194.4800.01

Ex accessories

RSD-INOX-Ex

Metr.



Material INOX (1.4305)

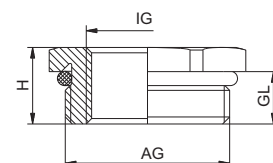
O-Ring Buna-N / VMQ

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (Buna-N)
-60 °C – 180 °C (-76 °F – 356 °F) (VMQ)



II 2G 1D



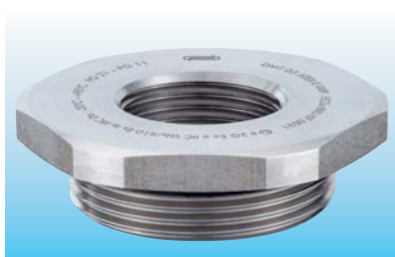
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AG	IG	GL mm		Number Buna-N -20 °C – 95 °C (-4 °F – 203 °F)	Number VMQ -60 °C – 180 °C (-76 °F – 356 °F)
M 16 x 1,5	M 12 x 1,5	5	17	1.098.1612.50	1.099.1612.50
M 20 x 1,5	M 12 x 1,5	6	22	1.098.2012.50	1.099.2012.50
M 20 x 1,5	M 16 x 1,5	6	22	1.098.2016.50	1.099.2016.50
M 25 x 1,5	M 16 x 1,5	7	27	1.098.2516.50	1.099.2516.50
M 25 x 1,5	M 20 x 1,5	7	27	1.098.2520.50	1.099.2520.50
M 32 x 1,5	M 16 x 1,5	8	34	1.098.3216.50	1.099.3216.50
M 32 x 1,5	M 20 x 1,5	8	34	1.098.3220.50	1.099.3220.50
M 32 x 1,5	M 25 x 1,5	8	34	1.098.3225.50	1.099.3225.50
M 40 x 1,5	M 20 x 1,5	8	43	1.098.4020.50	1.099.4020.50
M 40 x 1,5	M 25 x 1,5	8	43	1.098.4025.50	1.099.4025.50
M 40 x 1,5	M 32 x 1,5	8	43	1.098.4032.50	1.099.4032.50
M 50 x 1,5	M 25 x 1,5	9	55	1.098.5025.50	1.099.5025.50

AG	IG	GL mm		Number Buna-N -20 °C – 95 °C (-4 °F – 203 °F)	Number VMQ -60 °C – 180 °C (-76 °F – 356 °F)
M 50 x 1,5	M 32 x 1,5	9	55	1.098.5032.50	1.099.5032.50
M 50 x 1,5	M 40 x 1,5	9	55	1.098.5040.50	1.099.5040.50
M 63 x 1,5	M 32 x 1,5	10	65	1.098.6332.50	1.099.6332.50
M 63 x 1,5	M 40 x 1,5	10	65	1.098.6340.50	1.099.6340.50
M 63 x 1,5	M 50 x 1,5	10	65	1.098.6350.50	1.099.6350.50

RSD-INOX-Ex

PG



Material INOX (1.4305)

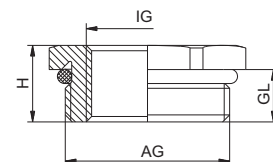
O-Ring Buna-N / VMQ

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (Buna-N)
-60 °C – 180 °C (-76 °F – 356 °F) (VMQ)



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AG	IG	GL mm	H mm		Number Buna-N -20 °C – 95 °C (-4 °F – 203 °F)	Number VMQ -60 °C – 180 °C (-76 °F – 356 °F)
PG 9	PG 7	6	8,8	17	1.098.0907.01	1.099.0907.01
PG 11	PG 7	6	9	20	1.098.1107.01	1.099.1107.01
PG 11	PG 9	6	9	20	1.098.1109.01	1.099.1109.01
PG 13,5	PG 9	6,5	9,5	22	1.098.1309.01	1.099.1309.01
PG 13,5	PG 11	6,5	9,5	22	1.098.1311.01	1.099.1311.01
PG 16	PG 9	6,5	9,5	24	1.098.1609.01	1.099.1609.01
PG 16	PG 11	6,5	9,5	24	1.098.1611.01	1.099.1611.01
PG 16	PG 13,5	6,5	9,5	24	1.098.1613.01	1.099.1613.01
PG 21	PG 11	7	10,3	30	1.098.2111.01	1.099.2111.01
PG 21	PG 13,5	7	10,3	30	1.098.2113.01	1.099.2113.01
PG 21	PG 16	7	10,3	30	1.098.2116.01	1.099.2116.01
PG 29	PG 16	8	11,5	40	1.098.2916.01	1.099.2916.01

AG		IG mm	GL mm	 mm	Number Buna-N	Number VMQ
					-20 °C – 95 °C (-4 °F – 203 °F)	-60 °C – 180 °C (-76 °F – 356 °F)
PG 29	PG 21	8	11,5	40	1.098.2921.01	1.099.2921.01
PG 36	PG 21	9	12,5	50	1.098.3621.01	1.099.3621.01
PG 36	PG 29	9	12,5	50	1.098.3629.01	1.099.3629.01
PG 42	PG 29	10	13,5	57	1.098.4229.01	1.099.4229.01
PG 42	PG 36	10	13,5	57	1.098.4236.01	1.099.4236.01
PG 48	PG 36	10	13,5	64	1.098.4836.01	1.099.4836.01
PG 48	PG 42	10	13,5	64	1.098.4842.01	1.099.4842.01

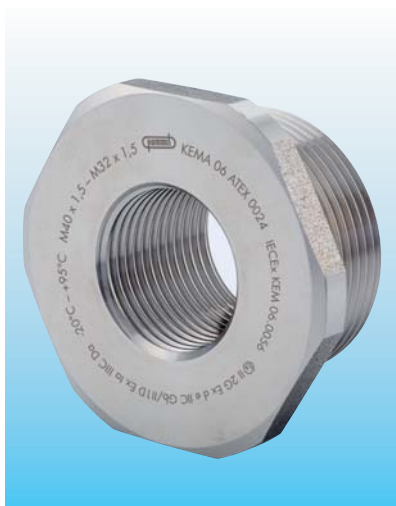
Metr., NPT



Dimensions and specifications may be changed without prior notice

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Metr.



Material INOX (1.4404)

O-Ring Buna-N / VMQ

Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)

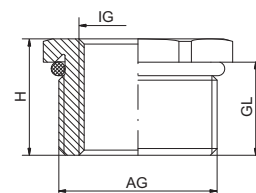
Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F) (Buna-N)
-60 °C – 180 °C (-76 °F – 356 °F) (VMQ)



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AG	IG	GL mm	H mm	mm	Number Buna-N -20 °C – 95 °C (-4 °F – 203 °F)	Number VMQ -60 °C – 180 °C (-76 °F – 356 °F)
M 16 x 1,5	M 12 x 1,5	16	19	19	1.898.1612.50	1.899.1612.50
M 20 x 1,5	M 12 x 1,5	16	19,5	22	1.898.2012.50	1.899.2012.50
M 20 x 1,5	M 16 x 1,5	16	19,5	22	1.898.2016.50	1.899.2016.50
M 25 x 1,5	M 16 x 1,5	16	19,5	30	1.898.2516.50	1.899.2516.50
M 25 x 1,5	M 20 x 1,5	16	19,5	30	1.898.2520.50	1.899.2520.50
M 32 x 1,5	M 16 x 1,5	16	20,5	41	1.898.3216.50	1.899.3216.50
M 32 x 1,5	M 20 x 1,5	16	20,5	41	1.898.3220.50	1.899.3220.50
M 32 x 1,5	M 25 x 1,5	16	20,5	41	1.898.3225.50	1.899.3225.50
M 40 x 1,5	M 20 x 1,5	16	21	46	1.898.4020.50	1.899.4020.50
M 40 x 1,5	M 25 x 1,5	16	21	46	1.898.4025.50	1.899.4025.50
M 40 x 1,5	M 32 x 1,5	16	21	46	1.898.4032.50	1.899.4032.50