

Industrial cable glands

HSK cable glands for special applications

Cable glands of the HSK-series fulfil highest demands of quality and security. Outstanding high-grade materials are used together with innovative technology to offer premium products.



You can find in this chapter:

HSK cable gland series for special applications

- HSK-INOX-HD designed for areas in which a hygienic design is needed
- HSK-Multi with inserts for connecting of more than one cable or flat cables
- HSK-Flex with bending protection for dynamic applications
- HSK-W with snap elbow for easy mounting of 90° cable outlet
- HSK-Mini for smaller sizes than M12
- HSK-XL cable glands with M63 – M110 or G threads with extended clamping range
- HSK-MZ with additional stain 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 from 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

The HSK-INOX Hygienic Design has been developed for all areas which require the avoidance of possible bacteria and micro-organism deposits, for example in food, pharmaceutical and chemical industries, biotechnology and clean room areas.

Characteristics

- Available sizes: M 12 to M 25
- Operating Temperature:
-40 °C – 120 °C (-40 °F – 248 °F)
-35 °C – 150 °C (-31 °F – 302 °F)
PVDF version (on request)

- Protection: IP 66, IP 68

- EMC protection

Certifications

- EHEDG conforming materials
- FDA conforming materials

Materials HD-shell

- Made of stainless steel grade 1.4404/
AISI 316 L, surface roughness < 0,8 µm
- Silicone seals made of VMQ

Advantages

- Easy and efficient to clean
- Fast and simple installation
- High chemical and thermal resistance

HSK cable glands for special applications

HSK-INOX-HD

Metr.

EMC

Material HD-shell 1.4404 / AISI 316 L

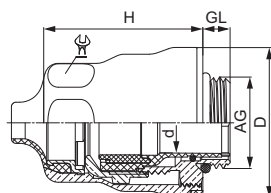
Seal HD-shell VMQ (Silicone), blue (similar to RAL 5017)

Protection IP 68

Operating Temperature -40 °C – 120 °C (-40 °F – 248 °F)

Advice:

- EMC connection integrated
- VDMA Riboflavintest fulfilled and passed
- Durability and cleanability tested and passed with compounds from ECOLAB
- Elongated threads on request
- Other sizes upon request
- Other temperature range on request



AG	$\varnothing$ mm	d mm	GL mm	H mm	D mm	$\varnothing$ mm	Number
M 12 x 1,5	3,5 – 6,5	5,8	6	30	21	14	1.740.1202.50
M 16 x 1,5	5 – 10	9,3	6	34	27	18/20	1.740.1602.50
M 20 x 1,5	10 – 14	13,2	6	34,5	33	24	1.740.2002.50
M 25 x 1,5	13 – 18	17,3	6	41,5	40	27/30	1.740.2502.50

HSK cable glands for special applications

HSK-K-Multi

Metr., PG, NPT



Material Polyamide V0 according to UL 94

Seal Elastomer

Protection IP 65 / IP 68
with additional O-Ring

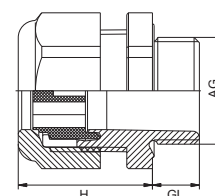
Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Colors grey (RAL 7035), black (RAL 9005)



Advice:

- With additional pre-assembled O-Ring upon request
- Please find suitable O-Ring on page 90
- Other sealing material e.g. Silicone upon request
- Elongated threads on request
- Installation instructions see page 175
- Further seal inserts on page 88 or on request



AG	GL mm	H mm	mm	Number of Holes x d	Number grey	Number black	Number of Holes x d	Number grey	Number black
M 16 x 1,5	8	22	19	4 x 1,4	1.597.1600.50	1.597.1600.51	2 x 3	1.597.1601.50	1.597.1601.51
M 20 x 1,5	9	27	24	6 x 3	1.597.2001.50	1.597.2001.51	2 x 5	1.597.2003.50	1.597.2003.51
M 25 x 1,5	11	31	33	4 x 6	1.597.2500.50	1.597.2500.51	3 x 7	1.597.2501.50	1.597.2501.51
M 32 x 1,5	11	39	42	6 x 6,5	1.597.3200.50	1.597.3200.51	4 x 9	1.597.3201.50	1.597.3201.51
M 40 x 1,5	13	48	53	7 x 9	1.597.4001.50	1.597.4001.51	2 x 15	1.597.4003.50	1.597.4003.51
M 50 x 1,5	13	49	60		1.597.5099.50	1.597.5099.51			
M 63 x 1,5	14	49	65 / 68	6 x 12	1.597.6301.50	1.597.6301.51	3 x 18	1.597.6302.50	1.597.6302.51
PG 7	8	21	15		1.597.0799.00				
PG 9	8	22	19	4 x 1,4	1.597.0900.00	1.597.0900.01	2 x 3	1.597.0901.00	1.597.0901.01
PG 11	8	25	22	2 x 4	1.597.1102.00	1.597.1102.01	3 x 3	1.597.1101.00	1.597.1101.01
PG 13,5	9	27	24	3 x 4	1.597.1302.00	1.597.1302.01	2 x 5	1.597.1303.00	1.597.1303.01
PG 16	10	28	27	4 x 4	1.597.1602.00	1.597.1602.01	6 x 4	1.597.1604.00	1.597.1604.01
PG 16	10	28	27	3 x 5,6	1.597.1606.00	1.597.1606.01	2 x 6	1.597.1605.00	1.597.1605.01
PG 21	11	31	33	4 x 6	1.597.2100.00	1.597.2100.01	3 x 7	1.597.2101.00	1.597.2101.01
PG 29	11	39	42	6 x 6,5	1.597.2900.00	1.597.2900.01	4 x 9	1.597.2901.00	1.597.2901.01
PG 36	13	48	53	7 x 9	1.597.3601.00	1.597.3601.01	2 x 15	1.597.3603.00	1.597.3603.01
PG 42	13	49	60		1.597.4299.00				
PG 48	14	49	65	6 x 12	1.597.4801.00	1.597.4801.01	3 x 18	1.597.4802.00	1.597.4802.01
NPT 3/8"	15	22	19 / 22	4 x 1,4	1.597.3800.70	1.597.3800.71	2 x 3	1.597.3801.70	1.597.3801.71
NPT 1/2"	13	27	24	3 x 4	1.597.1202.70	1.597.1202.71	2 x 5	1.597.1203.70	1.597.1203.71
NPT 1/2" (16)	13	28	27	6 x 4	1.597.1220.70	1.597.1220.71	2 x 6	1.597.1221.70	1.597.1221.71
NPT 3/4"	14	31	33	4 x 6	1.597.3400.70	1.597.3400.71	3 x 7	1.597.3401.70	1.597.3401.71
NPT 1"	19	39	42	6 x 6,5	1.597.1000.70	1.597.1000.71	4 x 9	1.597.1001.70	1.597.1001.71
NPT 1 1/4"	16	39	42 / 46		1.597.5499.70	1.597.5499.71			
NPT 1 1/2"	20	48	53	5 x 9	1.597.6400.70	1.597.6400.71	7 x 9	1.597.6401.70	1.597.6401.71

Advice: The shown inserts are samples, more inserts (also customer specific) upon request

HSK cable glands for special applications

HSK-K-FLAKA

Metr., PG, NPT



Material VO according to UL 94

Seal Elastomer

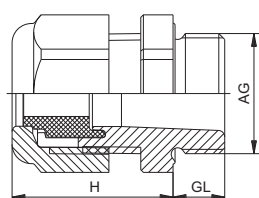
Protection IP 65 / IP 68
with additional O-Ring

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Colors grey (RAL 7035), black (RAL 9005)

Advice:

- With additional pre-assembled O-Ring upon request
- Please find suitable O-Ring on page 90
- Other sealing material e.g. Silicone upon request
- Elongated threads on request
- Installation instructions see page 175



AG	GL mm	H mm	mm	Dimensions w x h mm	Number grey	Number black	Dimensions w x h mm	Number grey	Number black
M 20 x 1,5	9	28	27	11,5 x 5	1.587.2016.50	1.587.2016.51	12 x 7	1.587.2017.50	1.587.2017.51
M 20 x 1,5	9	28	27	14 x 6	1.587.2018.50	1.587.2018.51			
M 25 x 1,5	11	31	33	14 x 6	1.587.2500.50	1.587.2500.51	14 x 7	1.587.2501.50	1.587.2501.51
M 32 x 1,5	11	39	42	22 x 8	1.587.3200.50	1.587.3200.51			
M 40 x 1,5	13	48	53	28,5 x 10	1.587.4000.50	1.587.4000.51	29 x 5,5	1.587.4001.50	1.587.4001.51
M 40 x 1,5	13	48	53	30,5 x 12	1.587.4002.50	1.587.4002.51	31 x 7,5	1.587.4003.50	1.587.4003.51
M 50 x 1,5	13	49	60	33,5 x 11,5	1.587.5000.50	1.587.5000.51			
M 63 x 1,5	14	49	65/68	38 x 12	1.587.6300.50	1.587.6301.51			
PG 16	10	28	27	11,5 x 5	1.587.1600.00	1.587.1600.01	12 x 7	1.587.1601.00	1.587.1601.01
PG 16	10	28	27	14 x 6	1.587.1602.00	1.587.1602.01			
PG 21	11	31	33	14 x 6	1.587.2100.00	1.587.2100.01	14 x 7	1.587.2101.00	1.587.2101.01
PG 29	11	39	42	22 x 8	1.587.2900.00	1.587.2900.01			
PG 36	13	48	53	28,5 x 10	1.587.3600.00	1.587.3600.01	29 x 5,5	1.587.3601.00	1.587.3601.01
PG 36	13	48	53	30,5 x 12	1.587.3602.00	1.587.3602.01	31 x 7,5	1.587.3603.00	1.587.3603.01
PG 42	13	49	60	33,5 x 11,5	1.587.4200.00	1.587.4200.01			
PG 48	14	49	65	38 x 12	1.587.4800.00	1.587.4800.01			
NPT 1/2" (16)	13	28	27	11,5 x 5,5	1.587.1216.70	1.587.1216.71	12 x 7	1.587.1217.70	1.587.1217.71
NPT 1/2" (16)	13	28	27	14 x 6	1.587.1218.70	1.587.1218.71			
NPT 3/4"	14	31	33	14 x 6	1.587.3400.70	1.587.3400.71			
NPT 1"	19	39	42	22 x 8	1.587.1000.70	1.587.1000.71			
NPT 1 1/4"	16	39	42/46	22 x 8	1.587.5400.70	1.587.5400.71			
NPT 1 1/2"	20	48	53	28,5 x 10	1.587.6400.70	1.587.6400.71	29 x 5,5	1.587.6401.70	1.587.6401.71
NPT 1 1/2"	20	48	53	30,5 x 12	1.587.6402.70	1.587.6402.71	31 x 7,5	1.587.6403.70	1.587.6403.71

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

HSK cable glands for special applications

HSK-K-Flex

Metr., Metr.-elongated



Material Polyamide

Seal Buna-N

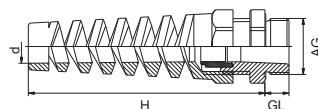
Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
with additional O-Ring

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Colors grey (RAL 7035), black (RAL 9005)

Advice:

- With additional pre-assembled O-Ring upon request
- Please find suitable O-Ring on page 90
- Other sealing material e.g. Silicone upon request
- Other colors on request



AG	mm	GL mm	H mm	d mm	mm	Number grey	Number black	GL mm	Number grey elongated	Number black elongated
M 12 x 1,5	3-6,5	8	54	7	15	1.293.1200.50	1.293.1201.50	15	1.293.1200.30	1.293.1201.30
M 12 x 1,5	2-5	8	54	7	15	1.293.1200.51	1.293.1201.51	15	1.293.1200.31	1.293.1201.31
M 16 x 1,5	4-8	8	63	8,5	19	1.293.1600.50	1.293.1601.50	15	1.293.1600.30	1.293.1601.30
M 16 x 1,5	2-6	8	63	8,5	19	1.293.1600.51	1.293.1601.51	15	1.293.1600.31	1.293.1601.31
M 16 x 1,5	5-10	8	78	10,5	22	1.294.1600.50	1.294.1601.50	15	1.294.1600.30	1.294.1601.30
M 16 x 1,5	3-7	8	78	10,5	22	1.294.1600.51	1.294.1601.51	15	1.294.1600.31	1.294.1601.31
M 20 x 1,5	6-12	9	90	13	24	1.293.2000.50	1.293.2001.50	15	1.293.2000.30	1.293.2001.30
M 20 x 1,5	5-9	9	90	13	24	1.293.2000.51	1.293.2001.51	15	1.293.2000.31	1.293.2001.31
M 20 x 1,5	10-14	9	100	15,5	27	1.294.2000.50	1.294.2001.50	15	1.294.2000.30	1.294.2001.30
M 20 x 1,5	7-12	9	100	15,5	27	1.294.2000.51	1.294.2001.51	15	1.294.2000.31	1.294.2001.31
M 25 x 1,5	13-18	11	114	20	33	1.293.2500.50	1.293.2501.50	15	1.293.2500.30	1.293.2501.30
M 25 x 1,5	9-16	11	114	20	33	1.293.2500.51	1.293.2501.51	15	1.293.2500.31	1.293.2501.31

HSK cable glands for special applications

HSK-K-Flex

PG, PG-elongated, NPT



Material Polyamide

Seal Buna-N

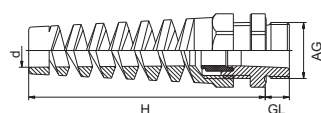
Protection IP 68 – 10 bar/ IP 69K (NEMA 6 – 150 PSIG)
with additional O-Ring

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Colors grey (RAL 7035), black (RAL 9005)

Advice:

- With additional pre-assembled O-Ring upon request
- Please find suitable O-Ring on page 90
- Other sealing material e.g. Silicone upon request
- Other colors on request



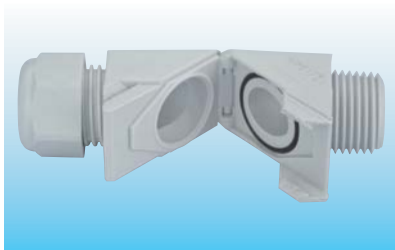
AG	mm	GL mm	H mm	d mm	mm	Number grey	Number black	GL mm	Number grey elongated	Number black elongated
PG 7*	3–6,5	8	54	7	15	1.293.0700.14	1.293.0701.14	15	1.293.0700.60	1.293.0701.60
PG 7*	2–5	8	54	7	15	1.293.0700.15	1.293.0701.15	15	1.293.0700.61	1.293.0701.61
PG 9*	4–8	8	63	8,5	19	1.293.0900.14	1.293.0901.14	15	1.293.0900.60	1.293.0901.60
PG 9*	2–6	8	63	8,5	19	1.293.0900.15	1.293.0901.15	15	1.293.0900.61	1.293.0901.61
PG 11*	5–10	8	78	10,5	22	1.293.1100.14	1.293.1101.14	15	1.293.1100.60	1.293.1101.60
PG 11*	3–7	8	78	10,5	22	1.293.1100.15	1.293.1101.15	15	1.293.1100.61	1.293.1101.61
PG 13,5*	6–12	9	90	13	24	1.293.1300.14	1.293.1301.14	15	1.293.1300.60	1.293.1301.60
PG 13,5*	5–9	9	90	13	24	1.293.1300.15	1.293.1301.15	15	1.293.1300.61	1.293.1301.61
PG 16*	10–14	10	100	15,5	27	1.293.1600.14	1.293.1601.14	15	1.293.1600.60	1.293.1601.60
PG 16*	7–12	10	100	15,5	27	1.293.1600.15	1.293.1601.15	15	1.293.1600.61	1.293.1601.61
PG 21*	13–18	11	114	20	33	1.293.2100.14	1.293.2101.14	15	1.293.2100.60	1.293.2101.60
PG 21*	9–16	11	114	20	33	1.293.2100.15	1.293.2101.15	15	1.293.2100.61	1.293.2101.61
NPT 3/8"	4–8	15	63	8,5	22/19	1.293.3800.70	1.293.3801.70			
NPT 3/8"	2–6	15	63	8,5	22/19	1.293.3800.71	1.293.3801.71			
NPT 1/2"	6–12	13	90	13	24	1.293.1200.70	1.293.1201.70			
NPT 1/2"	5–9	13	90	13	24	1.293.1200.71	1.293.1201.71			
NPT 1/2" (16)	10–14	13	100	15,5	27	1.293.1216.70	1.293.1217.70			
NPT 1/2" (16)	7–12	13	100	15,5	27	1.293.1216.71	1.293.1217.71			
NPT 3/4"	13–18	14	114	20	33	1.293.3400.70	1.293.3401.70			
NPT 3/4"	9–16	14	114	20	33	1.293.3400.71	1.293.3401.71			

* Also available as KE-Flex with enlarged clamping range and as KR-Flex with reduced clamping range, see clamping range page 18

HSK cable glands for special applications

HSK-W

Metr.


Advice:

- Other sealing material e.g. Silicone upon request
- Other colors on request

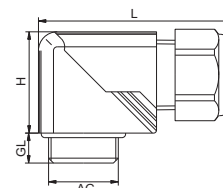
Material Polyamide

Seal / O-Ring Buna-N

Protection IP 68

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Colors grey (RAL 7035), black (RAL 9005)



AG	$\varnothing$ mm	GL mm	H mm	L mm	R mm		Number grey	Number black
M 16 x 1,5	4-8	8	23	45	5	19	1.313.1600.50	1.313.1601.50
M 16 x 1,5	2-6	8	23	45	5	19	1.313.1600.51	1.313.1601.51
M 20 x 1,5	6-12	9	30,5	57	7	24	1.313.2000.50	1.313.2001.50
M 20 x 1,5	5-9	9	30,5	57	7	24	1.313.2000.51	1.313.2001.51
M 25 x 1,5	13-18	11	40	73	10	33	1.313.2500.50	1.313.2501.50
M 25 x 1,5	9-16	11	40	73	10	33	1.313.2500.51	1.313.2501.51
M 32 x 1,5	18-25	11	51,5	91	14	42	1.313.3200.50	1.313.3201.50
M 32 x 1,5	13-20	11	51,5	91	14	42	1.313.3200.51	1.313.3201.51

➔ Accessories see page 75

HSK-W

NPT


Advice:

- Glands not fitted with O-Rings.
- We recommend the use of thread washer seal ring (page 91)

Material Polyamide

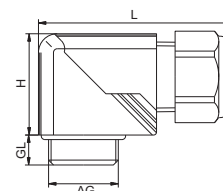
Seal / O-Ring Buna-N

Protection IP 68

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Colors grey (RAL 7035), black (RAL 9005)

- Other sealing material e.g. Silicone upon request
- Other colors on request

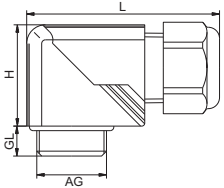


AG	$\varnothing$ mm	GL mm	H mm	L mm	R mm		Number grey	Number black
NPT 3/8"	4-8	15	23	45	5	19	1.313.3800.70	1.313.3801.70
NPT 3/8"	2-6	15	23	45	5	19	1.313.3800.71	1.313.3801.71
NPT 1/2"	6-12	13	32,5	57	7	24	1.313.1200.70	1.313.1201.70
NPT 1/2"	5-9	13	32,5	57	7	24	1.313.1200.71	1.313.1201.71
NPT 1/2" (16)	10-14	13	31,5	59	8	27	1.313.1216.70	1.313.1217.70
NPT 1/2" (16)	7-12	13	31,5	59	8	27	1.313.1216.71	1.313.1217.71
NPT 3/4"	13-18	13	40	73	10	33	1.313.3400.70	1.313.3401.70
NPT 3/4"	9-16	13	40	73	10	33	1.313.3400.71	1.313.3401.71
NPT 1"	18-25	19	51,5	91	14	42	1.313.1000.70	1.313.1001.70
NPT 1"	13-20	19	51,5	91	14	42	1.313.1000.71	1.313.1001.71

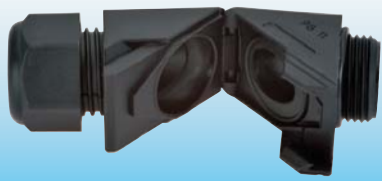
➔ Accessories see page 75

HSK cable glands for special applications

HSK-W
PG

Material	Polyamide
Seal / O-Ring	Buna-N
Protection	IP 68
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)
Colors	grey (RAL 7035), black (RAL 9005)

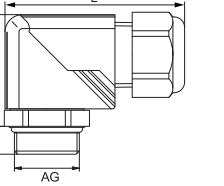


Advice:
 - Other sealing material e.g. Silicone upon request
 - Other colors on request

AG	$\varnothing$ mm	GL mm	H mm	L mm	R mm	mm	Number grey	Number black
PG 9	4–8	8	23	45	5	19	1.313.0900.14	1.313.0901.14
PG 9	2–6	8	23	45	5	19	1.313.0900.15	1.313.0901.15
PG 11	5–10	8	27	50	6	22	1.313.1100.14	1.313.1101.14
PG 11	3–7	8	27	50	6	22	1.313.1100.15	1.313.1101.15
PG 13,5	6–12	9	30,5	57	7	24	1.313.1300.14	1.313.1301.14
PG 13,5	5–9	9	30,5	57	7	24	1.313.1300.15	1.313.1301.15
PG 16	10–14	10	32,5	59	8	27	1.313.1600.14	1.313.1601.14
PG 16	7–12	10	32,5	59	8	27	1.313.1600.15	1.313.1601.15
PG 21	13–18	11	40	73	10	33	1.313.2100.14	1.313.2101.14
PG 21	9–16	11	40	73	10	33	1.313.2100.15	1.313.2101.15
PG 29	18–25	11	51,5	91	14	42	1.313.2900.14	1.313.2901.14
PG 29	13–20	11	51,5	91	14	42	1.313.2900.15	1.313.2901.15

➔ Accessories see page 75

HSK-W rotating version
PG

Material	Polyamide
Seal / O-Ring	Buna-N
Protection	IP 68
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)
Colors	grey (RAL 7035), black (RAL 9005)



Advice:
 - Other sealing material e.g. Silicone upon request
 - Other colors on request

AG	$\varnothing$ mm	GL mm	H mm	L mm	R mm	mm	Number grey	Number black
PG 9	4–8	8	28	45	5	19	1.317.0900.14	1.317.0901.14
PG 9	2–6	8	28	45	5	19	1.317.0900.15	1.317.0901.15
PG 11	5–10	8	32	50	6	22	1.317.1100.14	1.317.1101.14
PG 11	3–7	8	32	50	6	22	1.317.1100.15	1.317.1101.15
PG 13,5	6–12	9	35,5	57	7	24	1.317.1300.14	1.317.1301.14
PG 13,5	5–9	9	35,5	57	7	24	1.317.1300.15	1.317.1301.15
PG 16	10–14	10	38,5	59	8	27	1.317.1600.14	1.317.1601.14
PG 16	7–12	11	46	73	10	33	1.317.1600.15	1.317.1601.15
PG 21	13–18	11	46	73	10	33	1.317.2100.14	1.317.2101.14
PG 21	9–16	11	46	73	10	33	1.317.2100.15	1.317.2101.15

➔ Accessories see page 75

HSK cable glands for special applications

HSK-W-Flex

Metr., PG, NPT



Material Polyamide

Seal / O-Ring Buna-N

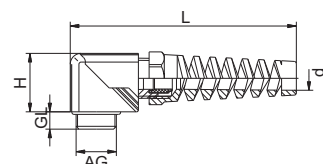
Protection IP 68

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Colors grey (RAL 7035), black (RAL 9005)

Advice:

- Other sealing material e.g. Silicone upon request
- Other colors on request



AG	$\varnothing$ mm	d mm	GL mm	H mm	L mm	R mm	mm	Number grey	Number black
M 16 x 1,5	4-8	8,5	8	23	85	5	19	1.314.1600.50	1.314.1601.50
M 16 x 1,5	2-6	8,5	8	23	85	5	19	1.314.1600.51	1.314.1601.51
M 20 x 1,5	6-12	13	9	30,5	119	7	24	1.314.2000.50	1.314.2001.50
M 20 x 1,5	5-9	13	9	30,5	119	7	24	1.314.2000.51	1.314.2001.51
M 25 x 1,5	13-18	20	11	40	156	10	33	1.314.2500.50	1.314.2501.50
M 25 x 1,5	9-16	20	11	40	156	10	33	1.314.2500.51	1.314.2501.51
PG 9	4-8	8,5	8	23	85	5	19	1.314.0900.14	1.314.0901.14
PG 9	2-6	8,5	8	23	85	5	19	1.314.0900.15	1.314.0901.15
PG 11	5-10	10,5	8	27	103	6	22	1.314.1100.14	1.314.1101.14
PG 11	3-7	10,5	8	27	103	6	22	1.314.1100.15	1.314.1101.15
PG 13,5	6-12	13	9	30,5	119	7	24	1.314.1300.14	1.314.1301.14
PG 13,5	5-9	13	9	30,5	119	7	24	1.314.1300.15	1.314.1301.15
PG 16	10-14	15,5	10	32,5	130	8	27	1.314.1600.14	1.314.1601.14
PG 16	7-12	15,5	10	32,5	130	8	27	1.314.1600.15	1.314.1601.15
PG 21	13-18	20	11	40	156	10	33	1.314.2100.14	1.314.2101.14
PG 21	9-16	20	11	40	156	10	33	1.314.2100.15	1.314.2101.15
NPT* 3/8"	4-8	8,5	15	23	85	5	19	1.314.3800.70	1.314.3801.70
NPT* 3/8"	2-6	8,5	15	23	85	5	19	1.314.3800.71	1.314.3801.71
NPT* 1/2"	6-12	13	13	30,5	119	7	24	1.314.1200.70	1.314.1201.70
NPT* 1/2"	5-9	13	13	30,5	119	7	24	1.314.1200.71	1.314.1201.71
NPT* 1/2" (16)	10-14	15,5	13	31,5	130	8	27	1.314.1216.70	1.314.1217.70
NPT* 1/2" (16)	7-12	15,5	13	31,5	130	8	27	1.314.1216.71	1.314.1217.71
NPT* 3/4"	13-18	20	13	40	156	10	33	1.314.3400.70	1.314.3401.70
NPT* 3/4"	9-16	20	13	40	156	10	33	1.314.3400.71	1.314.3401.71

* Glands not fitted with O-Rings. We recommend the use of thread washer seal ring.
Please see page 91 for suitable thread seal ring.

➔ Accessories see page 75

HSK cable glands for special applications

HSK-M-Multi

Metr., PG, NPT



Material Nickel plated brass

Clamping insert Polyamide

Seal Elastomer

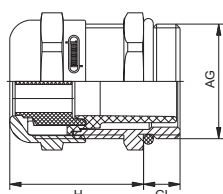
O-Ring NBR

Protection IP 65 /
IP 68 10 bar possible with ideal fit

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Advice:

- Other sealing material e.g. Silicone upon request
- Stainless steel on request
- Elongated threads on request
- Installation instructions see page 175
- Further seal inserts on page 88 or on request



AG	GL mm	H mm	mm	Number of Holes x d	Number	Number of Holes x d	Number
M 12 x 1,5	6,5	19	14		1.697.1299.50		1.697.1299.50
M 16 x 1,5	6	21	17 / 19	4 x 1,4	1.697.1600.50	2 x 3	1.697.1601.50
M 20 x 1,5	6	23	22	6 x 3	1.697.2001.50	2 x 5	1.697.2003.50
M 25 x 1,5	7	26	30	4 x 6	1.697.2500.50	3 x 7	1.697.2501.50
M 32 x 1,5	8	31	40	6 x 6,5	1.697.3200.50	4 x 9	1.697.3201.50
M 40 x 1,5	8	37	50	7 x 9	1.697.4001.50	2 x 15	1.697.4003.50
M 50 x 1,5	9	37	57		1.697.5099.50		
M 63 x 1,5	10	38	64 / 68	6 x 12	1.697.6301.50	3 x 18	1.697.6302.50
PG 7	5	19	14		1.697.0799.01		1.697.0799.01
PG 9	6	21	17	4 x 1,4	1.697.0900.01	2 x 3	1.697.0901.01
PG 11	6	22	20	2 x 4	1.697.1102.01	3 x 3	1.697.1101.01
PG 13,5	6,5	24	22	3 x 4	1.697.1302.01	2 x 5	1.697.1303.01
PG 16	6,5	23	24	4 x 4	1.697.1602.01	6 x 4	1.697.1604.01
PG 16	6,5	23	24	3 x 5,6	1.697.1606.01	2 x 6	1.697.1605.01
PG 21	7	24	30	4 x 6	1.697.2100.01	3 x 7	1.697.2101.01
PG 29	8	29	40	6 x 6,5	1.697.2900.01	4 x 9	1.697.2901.01
PG 36	8	35	50	7 x 9	1.697.3601.01	2 x 15	1.697.3603.01
PG 42	9	37	57		1.697.4299.01		1.697.4299.01
PG 48	10	38	64	6 x 12	1.697.4801.01	3 x 18	1.697.4802.01
NPT 3/8"	15	21	17 / 19	4 x 1,4	1.697.3800.70	2 x 3	1.697.3801.70
NPT 1/2"	13	24	24	3 x 4	1.697.1202.70	2 x 5	1.697.1203.70
NPT 3/4"	13	25	30	4 x 6	1.697.3400.70	3 x 7	1.697.3401.70
NPT 1"	19	29	40	6 x 6,5	1.697.1000.70	4 x 9	1.697.1001.70

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

HSK cable glands for special applications

HSK-M-FLAKA

Metr., PG, NPT



Material Nickel plated brass

Clamping insert Polyamide

Seal Elastomer

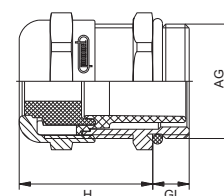
Protection IP 65 /
IP 68 10 bar possible with ideal fit

O-Ring Buna-N

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Advice:

- Other sealing material e.g. Silicone upon request
- Stainless steel on request
- Elongated threads on request
- Installation instructions see page 175



AG	GL mm	H mm	mm	B x H mm	Number	B x H mm	Number
M 20 x 1,5	6	24	24	11,5 x 5	1.688.2016.50	12 x 7	1.688.2017.50
M 20 x 1,5	6	24	24	14 x 6	1.688.2018.50		
M 25 x 1,5	7	26	30	14 x 6	1.688.2500.50	14 x 7	1.688.2501.50
M 32 x 1,5	8	31	40	22 x 8	1.688.3200.50		
M 40 x 1,5	8	37	50	28,5 x 10	1.688.4000.50	29 x 5,5	1.688.4001.50
M 40 x 1,5	8	37	50	30,5 x 12	1.688.4002.50	31 x 7,5	1.688.4003.50
M 50 x 1,5	9	37	57	33,5 x 11,5	1.688.5000.50		
M 63 x 1,5	10	38	64/68	38 x 12	1.688.6300.50		
PG 16	6,5	23	24	11,5 x 5	1.688.1600.01	12 x 7	1.688.1601.01
PG 16	6,5	23	24	14 x 6	1.688.1602.01		
PG 21	7	24	30	14 x 6	1.688.2100.01	14 x 7	1.688.2101.01
PG 29	8	29	40	22 x 8	1.688.2900.01		
PG 36	8	35	50	28,5 x 10	1.688.3600.01	29 x 5,5	1.688.3601.01
PG 36	8	35	50	30,5 x 12	1.688.3602.01	31 x 7,5	1.688.3603.01
PG 42	9	37	57	33,5 x 11,5	1.688.4200.01		
PG 48	10	38	64	38 x 12	1.688.4802.01		
NPT 3/4"	13	25	30	14 x 6	1.688.3400.70	14 x 7	1.688.3401.70
NPT 1"	19	29	40	22 x 8	1.688.1000.70		

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

HSK cable glands for special applications

HSK-M-Flex

Metr. / Metr.-elongated



Material Nickel plated brass

Steel spring INOX 1.4310

Clamping insert Polyamide

Seal Buna-N

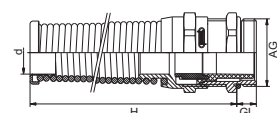
O-Ring Buna-N

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

Operating Temperature -40 °C – 100 °C (-40 °F – 212 °F)

Advice:

- Other sealing material e.g. Silicone upon request



AG	Ø mm	GL mm	H mm	d mm	mm	Number	GL mm	Number long
M 12 x 1,5	3 – 6,5	6,5	55	6,8	14	1.623.1200.50	10	1.623.1200.30
M 12 x 1,5	2 – 5	6,5	55	6,8	14	1.623.1200.51	10	1.623.1200.31
M 16 x 1,5	4 – 8	6	66	8,2	19	1.623.1600.50	10	1.623.1600.30
M 16 x 1,5	2 – 6	6	66	8,2	19	1.623.1600.51	10	1.623.1600.31
M 16 x 1,5	5 – 10	6	77	10,3	20	1.623.1611.50	10	1.623.1611.30
M 16 x 1,5	3 – 7	6	77	10,3	20	1.623.1611.51	10	1.623.1611.31
M 20 x 1,5	6 – 12	6	88	12,3	22	1.623.2000.50	10	1.623.2000.30
M 20 x 1,5	5 – 9	6	88	12,3	22	1.623.2000.51	10	1.623.2000.31
M 20 x 1,5	10 – 14	6	98	14,3	24	1.623.2016.50	10	1.623.2016.30
M 20 x 1,5	7 – 12	6	98	14,3	24	1.623.2016.51	10	1.623.2016.31
M 25 x 1,5	13 – 18	7	111	18,4	30	1.623.2500.50	12	1.623.2500.30
M 25 x 1,5	9 – 16	7	111	18,4	30	1.623.2500.51	12	1.623.2500.31

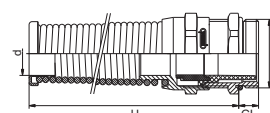
HSK cable glands for special applications

HSK-M-Flex

PG, PG-elongated



Material	Nickel plated brass
Steel spring	INOX 1.4310
Clamping insert	Polyamide
Seal	Buna-N
O-Ring	Buna-N
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)



Advice:
- Other sealing material e.g. Silicone upon request

AG	$\varnothing$ mm	GL mm	H mm	d mm	$\varnothing$ mm	Number	GL mm	Number long
PG 7	3–6,5	5	55	6,8	14	1.623.0700.01	10	1.623.0700.60
PG 7	2–5	5	55	6,8	14	1.623.0700.15	10	1.623.0700.61
PG 9	4–8	6	66	8,2	17	1.623.0900.01	10	1.623.0900.60
PG 9	2–6	6	66	8,2	17	1.623.0900.15	10	1.623.0900.61
PG 11	5–10	6	77	10,3	20	1.623.1100.01	10	1.623.1100.60
PG 11	3–7	6	77	10,3	20	1.623.1100.15	10	1.623.1100.61
PG 13,5	6–12	6,5	88	12,3	22	1.623.1300.01	10	1.623.1300.60
PG 13,5	5–9	6,5	88	12,3	22	1.623.1300.15	10	1.623.1300.61
PG 16	10–14	6,5	98	14,3	24	1.623.1600.01	10	1.623.1600.60
PG 16	7–12	6,5	98	14,3	24	1.623.1600.15	10	1.623.1600.61
PG 21	13–18	7	111	18,4	30	1.623.2100.01	12	1.623.2100.60
PG 21	9–16	7	111	18,4	30	1.623.2100.15	12	1.623.2100.61

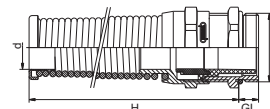
➔ Accessories see page 75

HSK-M-Flex

NPT



Material	Nickel plated brass
Steel spring	INOX 1.4310
Clamping insert	Polyamide
Seal	Buna-N
O-Ring	Buna-N
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)



Advice:
- Other sealing material e.g. Silicone upon request

AG	$\varnothing$ mm	GL mm	H mm	d mm	$\varnothing$ mm	Number
NPT 3/8"	4 – 8	15	66	8,2	17/19	1.623.3800.70
NPT 3/8"	2 – 6	15	66	8,2	17/19	1.623.3800.71
NPT 1/2"	6 – 12	13	88	12,3	22/24	1.623.1200.70
NPT 1/2"	5 – 9	13	88	12,3	22/24	1.623.1200.71
NPT 3/4"	13 – 18	13	111	18,4	33	1.623.3400.70
NPT 3/4"	9 – 16	13	111	18,4	33	1.623.3400.71

➔ Accessories see page 75

HSK cable glands for special applications

HSK-MINI

Metr., PG



Material Nickel plated brass / INOX 1.4305

Formdichtung NBR / TPE / FKM

Seal Buna-N / FKM

Protection IP 68

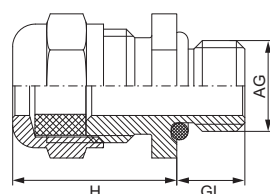
Operating Temperature -20 °C – 100 °C (-4 °F – 212 °F) (Buna-N / TPE)
-25 °C – 200 °C (-13 °F – 392 °F) (FKM)

Advice:

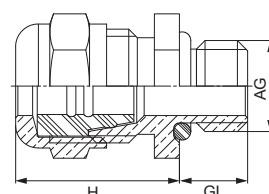
- Other sealing material e.g. Silicone upon request
- Other thread pitches on request
- Stainless steel 1.4404 on request



HSK-Mini



HSK-Mini EMC

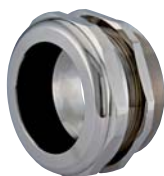
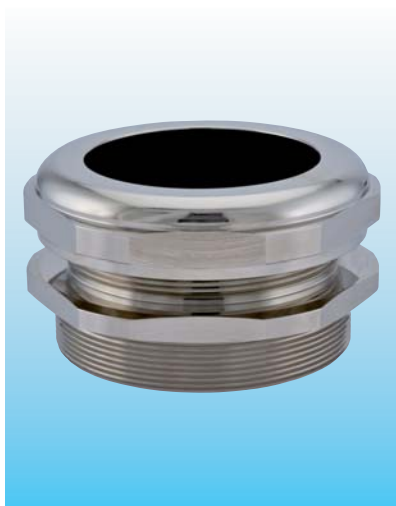


AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number Buna-N / TPE	Number FKM
M 6 x 1	2-3,2	6	10	8	1.106.0601.50	1.106.0600.55
M 8 x 0,75	2-4,5	3,5	14,3	11	1.112.0801.01	
M 8 x 1,25	3-5	6	13	11	1.106.0801.50	1.106.0800.55
M 10 x 1,5	4-6	6	14	12	1.106.1001.50	1.106.1000.55
PG 7	2-4,5	3,5	14,3	11/15	1.112.0708.01	
HSK-Mini elongated						
M 8 x 1,25	3-5	10	13	11	1.106.0801.30	1.106.0800.35
M 10 x 1,5	4-6	10	14	12	1.106.1001.30	1.106.1000.35
HSK-Mini EMC						
M 8 x 1,25	3-5	6	13	11	1.119.0800.50	
M 10 x 1,5	4-6	6	14	12	1.119.1000.50	
HSK-Mini INOX						
M 8 x 1,25	3-5	6	13	11	1.129.0800.50	1.129.0800.55
M 10 x 1,5	4-6	6	14	12	1.129.1000.50	1.129.1000.55

HSK cable glands for special applications

HSK-XL

Metr.



Material Nickel plated brass

Seal Buna-N

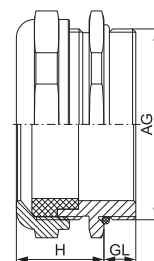
O-Ring Buna-N

Protection IP 68

Operating Temperature -20 °C – 100 °C (-4 °F – 212 °F)

Advice:

- Other sealing material e.g. Silicone upon request
- Stainless steel on request



AG	Ø mm	GL mm	H mm	U mm	Number
M 63 x 1,5	48-55	10	42	75	1.106.6375.50
M 75 x 1,5	48-55	15	42	80	1.106.7500.50
M 75 x 1,5	53-60	15	42	85	1.106.7500.51
M 80 x 2	58-65	15	42	90	1.106.8000.50
M 90 x 2	63-70	15	42	100	1.106.9000.50
M 90 x 2	68-75	15	52	100	1.106.9000.51
M 100 x 2	78-85	20	52	110	1.106.1000.50
M 100 x 2	73-80	20	52	110	1.106.1000.51
M 110 x 2	83-90	20	52	120	1.106.1100.51

HSK cable glands for special applications

HSK-XL

G

RoHS



Material Nickel plated brass

Seal Buna-N

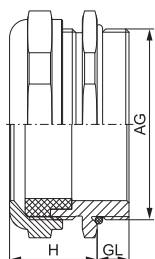
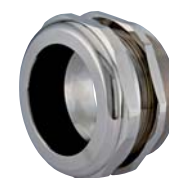
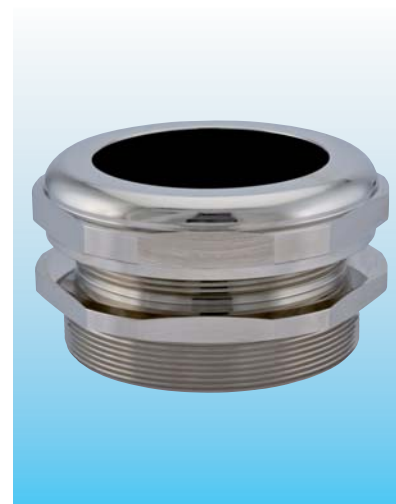
O-Ring Buna-N

Protection IP 68

Operating Temperature -20 °C – 100 °C (-4 °F – 212 °F)

Advice:

- Other sealing material e.g. Silicone upon request
- Stainless steel on request



AG	Ø mm	GL mm	H mm	U mm	Number
G 2 1/2"	48–55	18	42	80	1.106.5200.01
G 2 1/2"	53–60	18	42	85	1.106.5201.01
G 3"	58–65	18	42	90 / 95	1.106.3000.01
G 3"	63–70	18	42	100	1.106.3001.01
G 4"	68–75	22	52	100 / 120	1.106.4000.01
G 4"	73–80	22	52	110 / 120	1.106.4001.01
G 4"	78–85	22	52	110 / 120	1.106.4002.01
G 4"	83–90	22	52	120	1.106.4003.01

➔ Accessories see page 75

HSK cable glands for special applications

HSK-MZ / HSK-MZ-PVDF

Metr., Metr.-elongated



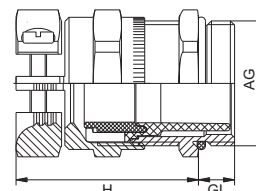
Material	Nickel plated brass
Clamping insert	Polyamide / PVDF
Seal	Buna-N / FKM
O-Ring	Buna-N / FKM
Protection	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) within the specified clamping range
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F) (PA) -35 °C – 150 °C (-31 °F – 302 °F) (PVDF)

Advice:

- Other sealing material e.g. Silicone upon request



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



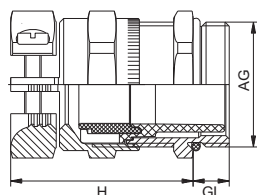
AG	$\varnothing$ mm	GL mm	H mm	$\varnothing$ mm	Number HSK-MZ -40 °C – 100 °C -40 °F – 212 °F	Number HSK-MZ-PVDF -35 °C – 150 °C -31 °F – 302 °F	GL mm	Number HSK-MZ elongated -40 °C – 100 °C -40 °F – 212 °F
M 12 x 1,5	3 – 6,5	6,5	26	14	1.690.1200.50	1.669.1200.50	10	1.690.1200.30
M 16 x 1,5	4 – 8	6	28	17 / 19	1.690.1600.50	1.669.1600.50	10	1.690.1600.30
M 16 x 1,5	6 – 10	6	30	20	1.690.1611.50	1.669.1611.50	10	1.690.1611.30
M 20 x 1,5	6 – 12	6	33	22	1.690.2000.50	1.669.2000.50	10	1.690.2000.30
M 20 x 1,5	10 – 14	6	33	24	1.690.2016.50	1.669.2016.50	10	1.690.2016.30
M 25 x 1,5	13 – 18	7	37	30	1.690.2500.50	1.669.2500.50	12	1.690.2500.30
M 32 x 1,5	18 – 25	8	43	40	1.690.3200.50	1.669.3200.50	12	1.690.3200.30
M 40 x 1,5	22 – 32	8	50	50	1.690.4000.50	1.669.4000.50	15	1.690.4000.30
M 50 x 1,5	32 – 38	9	51	57	1.690.5000.50		15	1.690.5000.30
M 50 x 1,5	25 – 31	9	51	57	1.690.5000.51		15	1.690.5000.31
M 63 x 1,5	37 – 44	10	52	64/68	1.690.6300.50		15	1.690.6300.30
M 63 x 1,5	29 – 35	10	52	64/68	1.690.6300.51		15	1.690.6300.31

HSK cable glands for special applications

HSK-MZ / HSK-MZ-PVDF

PG, PG-elongated

RoHS



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	-40 °C – 100 °C (-40 °F – 212 °F) (PA) -35 °C – 150 °C (-31 °F – 302 °F) (PVDF)



Advice:
- Other sealing material e.g. Silicone upon request

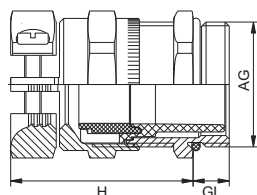
AG	$\varnothing$ mm	GL mm	H mm	 mm	Number HSK-MZ -40 °C – 100 °C -40 °F – 212 °F	Number HSK-MZ-PVDF -35 °C – 150 °C -31 °F – 302 °F	GL mm	Number elongated
PG 7	3 – 6,5	5	26	14	1.690.0700.01	1.669.0700.01	10	1.690.0700.60
PG 9	4 – 8	6	28	17	1.690.0900.01	1.669.0900.01	10	1.690.0900.60
PG 11	6 – 10	6	30	20	1.690.1100.01	1.669.1100.01	10	1.690.1100.60
PG 13,5	6 – 12	6,5	33	22	1.690.1300.01	1.669.1300.01	10	1.690.1300.60
PG 16	10 – 14	6,5	33	24	1.690.1600.01	1.669.1600.01	10	1.690.1600.60
PG 21	13 – 18	7	37	30	1.690.2100.01	1.669.2100.01	12	1.690.2100.60
PG 29	18 – 25	8	43	40	1.690.2900.01	1.669.2900.01	12	1.690.2900.60
PG 36	22 – 36	8	50	50	1.690.3600.01	1.669.3600.01	15	1.690.3600.60
PG 42	32 – 38	9	51	57	1.690.4200.01	1.669.4200.01	15	1.690.4200.60
PG 42	25 – 31	9	51	57	1.690.4200.15	1.669.4200.15	15	1.690.4200.61
PG 48	37 – 44	10	52	64	1.690.4800.01	1.669.4800.01	15	1.690.4800.60
PG 48	29 – 35	10	51	64	1.690.4800.15	1.669.4800.15	15	1.690.4800.61

➔ Accessories see page 75

HSK-MZ / HSK-MZ-PVDF

NPT

RoHS



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	-40 °C – 100 °C (-40 °F – 212 °F) (PA) -35 °C – 150 °C (-31 °F – 302 °F) (PVDF)



Advice:
- Other sealing material e.g. Silicone upon request

AG	$\varnothing$ mm	GL mm	H mm	 mm	Number HSK-MZ -40 °C – 100 °C -40 °F – 212 °F	Number HSK-MZ-PVDF -35 °C – 150 °C -31 °F – 302 °F
NPT 3/8"	4 – 8	15	28	17/19	1.690.3800.70	1.669.3800.70
NPT 1/2"	7 – 12	13	33	22/24	1.690.1200.70	1.669.1200.70
NPT 3/4"	13 – 18	13	37	30	1.690.3400.70	1.669.3400.70
NPT 1"	18 – 25	19	43	40	1.690.1000.70	

➔ Accessories see page 75

HSK-M-W

Metr., PG



Material	Zinc die casting / Nickel plated brass
Clamping insert	Polyamide
Seal ring	Buna-N
O-Ring	Buna-N
Protection	IP 68
Operating Temperature	-40 °C – 100 °C (-40 °F – 212 °F)

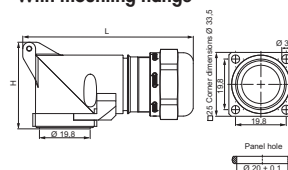
Advice:

Advice:

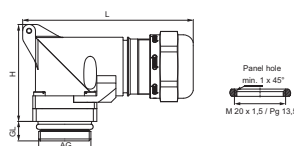
- Other sealing material e.g. Silicone upon request



With mounting flange



With threaded connection

[illegible]

Accessories see page 75