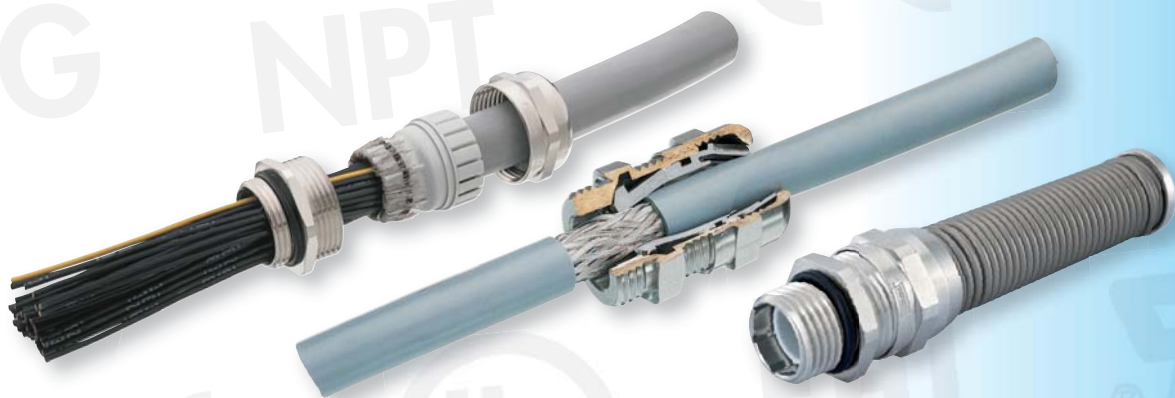


## Industrial cable glands

### HSK-EMC cable glands

Cable glands of the HSK-series fulfil the 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 with 360° EMC connection

- HSK-EMC-D EMC version with best EMI attenuation for fast and easy installation
- HSK-M-EMC standard EMC version with very good screen attenuation
- HSK-M-PVDF-EMC high temperature EMC version with very good screen attenuation
- HSK-M-EMC-MZ/Flex standard EMC version with additional bending protection or additional strain relief
- HSK-INOX-EMV standard EMC version with very good screen attenuation, made of stainless steel

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](mailto:info@hummel.com)

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

#### Advice:

- ➔ Do you need EMC boxes or EMC connectors? You can find suitable solutions in our catalogs „Enclosure Solutions“ and „Circular Connectors“
- ➔ You can find further EMC cable glands on pages 63, 64 and 74

# HSK-EMC cable glands

## HSK-M-EMC-D

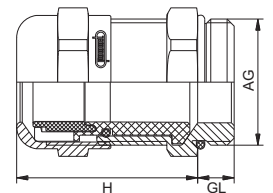
Metr., Metr.-elongated



<b>Material</b>	Nickel plated brass
<b>Clamping insert</b>	Metalised polyamide
<b>Seal</b>	Buna-N
<b>O-Ring</b>	Buna-N
<b>Protection</b>	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
<b>Operating Temperature</b>	-40 °C – 100 °C (-40 °F – 212 °F)



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



AG	$\varnothing k$ mm	GL mm	H mm	$\varnothing$ mm	Number	GL mm	Number long
M 12 x 1,5	3 – 6,5	6,5	25	14	1.631.1200.50	10	1.631.1200.30
M 16 x 1,5	4 – 8	6	29	17 / 19	1.631.1609.50	10	1.631.1609.30
M 16 x 1,5	5 – 10	6	32	20	1.631.1600.50	10	1.631.1600.30
M 20 x 1,5	6 – 12	6	32,5	22	1.631.2013.50	10	1.631.2013.30
M 20 x 1,5	10 – 14	6	33	24	1.631.2000.50	10	1.631.2000.30
M 25 x 1,5	13 – 18	7	39	30	1.631.2500.50	12	1.631.2500.30
M 32 x 1,5	18 – 25	8	45	40	1.631.3200.50	12	1.631.3200.30
M 40 x 1,5	24 – 32	8	51	50	1.631.4000.50	15	1.631.4000.30
M 50 x 1,5	32 – 38	9	57,5	57	1.631.5000.50	15	1.631.5000.30
M 63 x 1,5	37 – 44	10	52	64 / 68	1.631.6300.50	15	1.631.6300.30



➔ Accessories see page 75

# HSK-EMC cable glands

## HSK-M-EMC-D PG

**RoHS**

<b>Material</b>	Nickel plated brass
<b>Clamping insert</b>	Metalised polyamide
<b>Seal</b>	Buna-N
<b>O-Ring</b>	Buna-N
<b>Protection</b>	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
<b>Operating Temperature</b>	-40 °C – 100 °C (-40 °F – 212 °F)

**Advice:**  
 - Other sealing material e.g. Silicone upon request  
 - Elongated threads on request

AG	$\varnothing$ mm	GL mm	H mm	 mm	Number
PG 7	3 – 6,5	5	24	14	1.631.0700.01
PG 9	4 – 8	6	28	17	1.631.0900.01
PG 11	5 – 10	6	29	20	1.631.1100.01
PG 13,5	6 – 12	6,5	31	22	1.631.1300.01
PG 16	10 – 14	6,5	32	24	1.631.1600.01
PG 21	13 – 18	7	38	30	1.631.2100.01
PG 29	18 – 25	8	43	40	1.631.2900.01
PG 36	24 – 32	8	48	50	1.631.3600.01
PG 42	32 – 38	9	45	57	1.631.4200.01
PG 48	37 – 44	10	46	64	1.631.4800.01

➔ Accessories see page 75

## HSK-M-EMC-D NPT

**RoHS**

<b>Material</b>	Nickel plated brass
<b>Clamping insert</b>	Metalised polyamide
<b>Seal</b>	Buna-N
<b>O-Ring</b>	Buna-N
<b>Protection</b>	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
<b>Operating Temperature</b>	-40 °C – 100 °C (-40 °F – 212 °F)

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

AG	$\varnothing$ mm	GL mm	H mm	 mm	Number
NPT 3/8"	4 – 8	15	29	17 / 19	1.631.3800.70
NPT 1/2"	6 – 12	13	32,5	22 / 24	1.631.1200.70
NPT 3/4"	13 – 18	13	39	30	1.631.3400.70

➔ Accessories see page 75

# HSK-EMC cable glands

## HSK-M-EMC / HSK-M-PVDF-EMC

Metr., Metr.-elongated

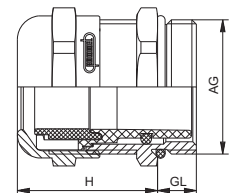


<b>Material</b>	Nickel plated brass
<b>Clamping insert</b>	Polyamide / PVDF
<b>Seal</b>	Buna-N / FKM
<b>O-Ring</b>	Buna-N / FKM
<b>Protection</b>	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
<b>Operating Temperature</b>	-40 °C – 100 °C (-40 °F – 212 °F) (PA) -35 °C – 150 °C (-31 °F – 302 °F) (PVDF)



- Advice:**
- Other sealing material e.g. Silicone upon request
  - Stainless steel on request
  - Please see page 53 for HSK-Mini EMC M 8 and M10

See our homepage [www.hummel.com](http://www.hummel.com) for assembling advices for maximum cable diameters



AG	$\varnothing$ mm	H mm	$\varnothing$ mm	GL mm	Number HSK-M-EMC -40 °C – 100 °C -40 °F – 212 °F	Number HSK-M-PVDF-EMC -35 °C – 150 °C -31 °C – 302 °C	GL mm	Number HSK-M-EMC elongated -40 °C – 100 °C -40 °F – 212 °F
M 12 x 1,5	3 – 6,5	19	14	6,5	1.691.1200.50	1.698.1200.50	10	1.691.1200.30
M 12 x 1,5	2 – 5	19	14	6,5	1.691.1200.51	1.698.1200.51	10	1.691.1200.31
M 16 x 1,5	5 – 10	22	20	6	1.691.1600.50	1.698.1611.50	10	1.691.1600.30
M 16 x 1,5	3 – 7	22	20	6	1.691.1600.51	1.698.1611.51	10	1.691.1600.31
M 20 x 1,5	10 – 14	24	24	6	1.691.2000.50	1.698.2000.50	10	1.691.2000.30
M 20 x 1,5	7 – 12	24	24	6	1.691.2000.51	1.698.2000.51	10	1.691.2000.31
M 25 x 1,5	13 – 18	26	30	7	1.691.2500.50	1.698.2500.50	12	1.691.2500.30
M 25 x 1,5	9 – 16	26	30	7	1.691.2500.51	1.698.2500.51	12	1.691.2500.31
M 32 x 1,5	18 – 25	31	40	8	1.691.3200.50		12	1.691.3200.30
M 32 x 1,5	13 – 20	31	40	8	1.691.3200.51		12	1.691.3200.31
M 32 x 1,5	15 – 21	33	36	8	1.691.3200.52		12	1.691.3200.32
M 40 x 1,5	22 – 32	37	50	8	1.691.4000.50		15	1.691.4000.30
M 40 x 1,5	20 – 26	37	50	8	1.691.4000.51		15	1.691.4000.31
M 40 x 1,5	19 – 27	33	46	8	1.691.4000.52		15	1.691.4000.32
M 50 x 1,5	32 – 38	37	57	9	1.691.5000.50		15	1.691.5000.30
M 50 x 1,5	25 – 31	37	57	9	1.691.5000.51		15	1.691.5000.31
M 63 x 1,5	37 – 44	38	64 / 68	10	1.691.6300.50		15	1.691.6300.30
M 63 x 1,5	29 – 35	38	64 / 68	10	1.691.6300.51		15	1.691.6300.31



➔ Accessories see page 75

# HSK-EMC cable glands

## HSK-M-EMC / HSK-M-PVDF-EMC

## PG, PG-elongated, NPT

RoHS



**Material** Nickel plated brass

**Clamping insert** Polyamide / PVDF

**Seal** Buna-N / FKM

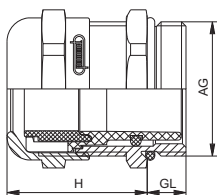
**O-Ring** Buna-N / FKM

**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
- Stainless steel on request



AG	mm	H mm	mm	GL mm	Number HSK-M-EMC -40 °C – 100 °C -40 °F – 212 °F	Number HSK-M-PVDF-EMC -35 °C – 150 °C -31 °C – 302 °C	GL mm	Number HSK-M-EMC elongated -40 °C – 100 °C -40 °F – 212 °F
PG 7	3 – 6,5	19	14	5	1.691.0700.01	1.698.0700.01	10	1.691.0700.60
PG 7	2 – 5	19	14	5	1.691.0700.15	1.698.0700.15	10	1.691.0700.61
PG 9	4 – 8	21	17	6	1.691.0900.01	1.698.0900.01	10	1.691.0900.60
PG 9	2 – 6	21	17	6	1.691.0900.15	1.698.0900.15	10	1.691.0900.61
PG 11	5 – 10	22	20	6	1.691.1100.01	1.698.1100.01	10	1.691.1100.60
PG 11	3 – 7	22	20	6	1.691.1100.15	1.698.1100.15	10	1.691.1100.61
PG 13,5	6 – 12	24	22	6,5	1.691.1300.01	1.698.1300.01	10	1.691.1300.60
PG 13,5	5 – 9	24	22	6,5	1.691.1300.15	1.698.1300.15	10	1.691.1300.61
PG 16	10 – 14	23	24	6,5	1.691.1600.01	1.698.1600.01	10	1.691.1600.60
PG 16	7 – 12	23	24	6,5	1.691.1600.15	1.698.1600.15	10	1.691.1600.61
PG 21	13 – 18	24	30	7	1.691.2100.01	1.698.2100.01	12	1.691.2100.60
PG 21	9 – 16	24	30	7	1.691.2100.15	1.698.2100.15	12	1.691.2100.61
PG 29	18 – 25	29	40	8	1.691.2900.01	1.698.2900.01	12	1.691.2900.60
PG 29	13 – 20	29	40	8	1.691.2900.15	1.698.2900.15	12	1.691.2900.61
PG 36	22 – 32	35	50	8	1.691.3600.01	1.698.3600.01	15	1.691.3600.60
PG 36	20 – 26	35	50	8	1.691.3600.15	1.698.3600.15	15	1.691.3600.61
PG 42	32 – 38	37	57	9	1.691.4200.01		15	1.691.4200.60
PG 42	25 – 31	37	57	9	1.691.4200.15		15	1.691.4200.61
PG 48	37 – 44	38	64	10	1.691.4800.01		15	1.691.4800.60
PG 48	29 – 35	38	64	10	1.691.4800.15		15	1.691.4800.61
NPT 3/8"	4 – 8	21	17 / 19	15	1.691.3800.70			
NPT 3/8"	2 – 6	21	17 / 19	15	1.691.3800.71			
NPT 1/2"	6 – 12	24	22 / 24	13	1.691.1200.70			
NPT 1/2"	5 – 9	24	22 / 24	13	1.691.1200.71			
NPT 3/4"	13 – 18	25	30	13	1.691.3400.70			
NPT 3/4"	9 – 16	25	30	13	1.691.3400.71			

➔ Accessories see page 75

# HSK-EMC cable glands

## HSK-M-Flex-EMC

Metr., Metr.-elongated

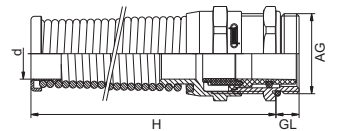


<b>Material</b>	Nickel plated brass
<b>Steel spring</b>	INOX 1.4310
<b>Clamping insert</b>	Polyamide
<b>Seal</b>	Buna-N
<b>O-Ring</b>	Buna-N
<b>Protection</b>	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
<b>Operating Temperature</b>	-40 °C – 100 °C (-40 °F – 212 °F)

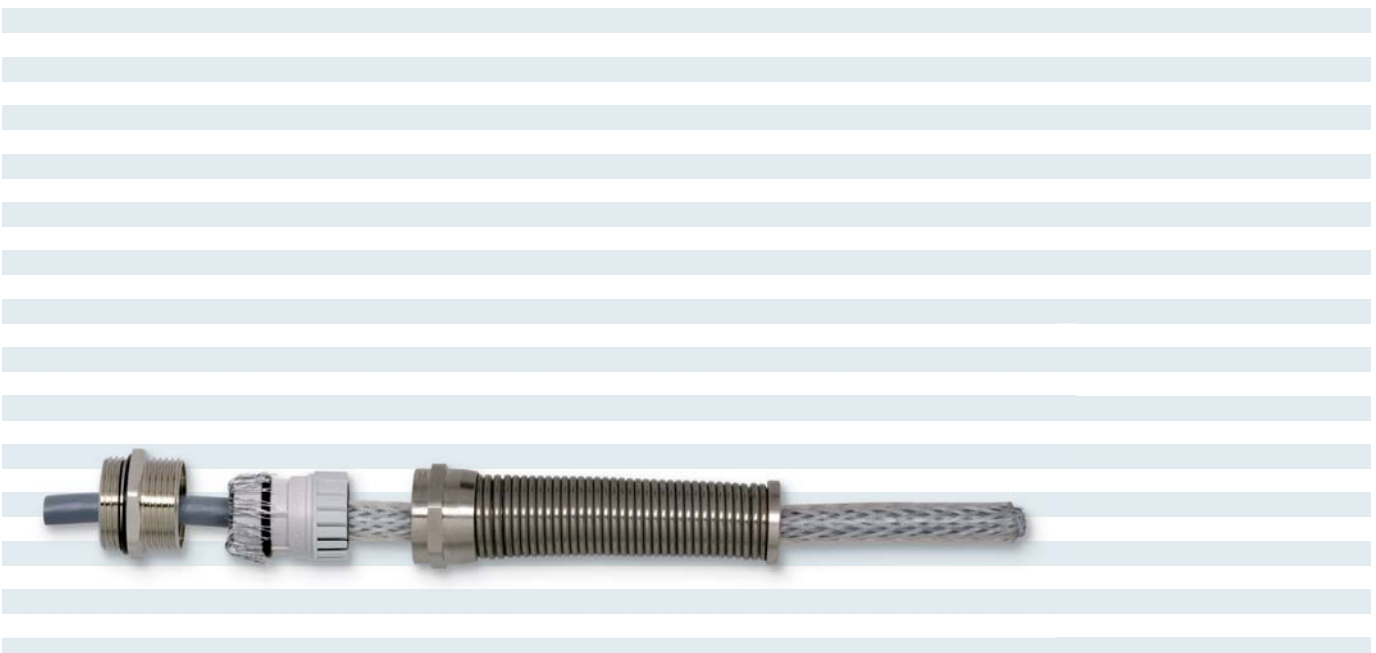


**Advice:**  
- Other sealing material e.g. Silicone upon request

See our homepage [www.hummel.com](http://www.hummel.com) for assembling advices for maximum cable diameters



AG	$\varnothing$ mm	GL mm	H mm	d mm	$\varnothing$ mm	Number	GL mm	Number elongated
M 12 x 1,5	3 – 6,5	6,5	55	6,8	14	1.624.1200.50	10	1.624.1200.30
M 12 x 1,5	2 – 5	6,5	55	6,8	14	1.624.1200.51	10	1.624.1200.31
M 16 x 1,5	5 – 10	6	77	10,3	20	1.624.1600.50	10	1.624.1600.30
M 16 x 1,5	3 – 7	6	77	10,3	20	1.624.1600.51	10	1.624.1600.31
M 20 x 1,5	10 – 14	6	98	14,3	24	1.624.2000.50	10	1.624.2000.30
M 20 x 1,5	7 – 12	6	98	14,3	24	1.624.2000.51	10	1.624.2000.31
M 25 x 1,5	13 – 18	7	111	18,4	30	1.624.2500.50	12	1.624.2500.30
M 25 x 1,5	9 – 16	7	111	18,4	30	1.624.2500.51	12	1.624.2500.31



➔ Accessories see page 75

## HSK-M-Flex-EMC

## PG, PG-elongated, NPT



**Material** Nickel plated brass

**Steel spring** INOX 1.4310

**Clamping insert** Polyamide

**Seal** Buna-N

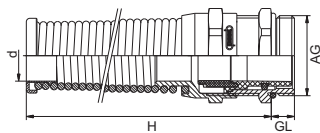
**O-Ring** Buna-N

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

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

**Advice:**

- Also available in PVDF
- Other sealing material e.g. Silicone upon request



AG	$\varnothing$ mm	GL mm	H mm	d mm	$\varnothing$ mm	Number	GL mm	Number elongated
PG 7	3 – 6,5	5	55	6,8	14	1.624.0700.01	10	1.624.0700.60
PG 7	2 – 5	5	55	6,8	14	1.624.0700.15	10	1.624.0700.61
PG 9	4 – 8	6	66	8,2	17	1.624.0900.01	10	1.624.0900.60
PG 9	2 – 6	6	66	8,2	17	1.624.0900.15	10	1.624.0900.61
PG 11	5 – 10	6	77	10,3	20	1.624.1100.01	10	1.624.1100.60
PG 11	3 – 7	6	77	10,3	20	1.624.1100.15	10	1.624.1100.61
PG 13,5	6 – 12	6,5	88	12,3	22	1.624.1300.01	10	1.624.1300.60
PG 13,5	5 – 9	6,5	88	12,3	22	1.624.1300.15	10	1.624.1300.61
PG 16	10 – 14	6,5	98	14,3	24	1.624.1600.01	10	1.624.1600.60
PG 16	7 – 12	6,5	98	14,3	24	1.624.1600.15	10	1.624.1600.61
PG 21	13 – 18	7	111	18,4	30	1.624.2100.01	12	1.624.2100.60
PG 21	9 – 16	7	111	18,4	30	1.624.2100.15	12	1.624.2100.61
NPT 3/8"	4 – 8	15	66	8,2	17 / 19	1.624.3800.70		
NPT 3/8" NPT	2 – 6	15	66	8,2	17 / 19	1.624.3800.71		
NPT 1/2" NPT	6 – 12	13	88	12,3	22 / 24	1.624.1200.70		
NPT 1/2" NPT	5 – 9	13	88	12,3	22 / 24	1.624.1200.71		
NPT 3/4" NPT	13 – 18	13	111	18,4	30	1.624.3400.70		
NPT 3/4" NPT	9 – 16	13	111	18,4	30	1.624.3400.71		

➔ Accessories see page 75



# HSK-EMC cable glands

## HSK-INOX-EMC

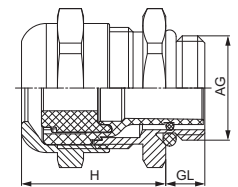
Metr.



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	-40 °C – 100 °C (-40 °F – 212 °F)



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



AG	$\varnothing$ mm	H mm	$\varnothing$ mm	GL mm	Number
M 12 x 1,5	3 – 6,5	19	14	6,5	1.693.1200.50
M 12 x 1,5	2 – 5	19	14	6,5	1.693.1200.51
M 16 x 1,5	5 – 10	21	20	6	1.693.1600.50
M 16 x 1,5	3 – 7	21	20	6	1.693.1600.51
M 20 x 1,5	10 – 14	23	24	6	1.693.2000.50
M 20 x 1,5	7 – 12	23	24	6	1.693.2000.51
M 25 x 1,5	13 – 18	26	30	7	1.693.2500.50
M 25 x 1,5	9 – 16	26	30	7	1.693.2500.51
M 32 x 1,5	18 – 25	31	40	8	1.693.3200.50
M 32 x 1,5	13 – 20	31	40	8	1.693.3200.51
M 40 x 1,5	22 – 32	37	50	8	1.693.4000.50
M 40 x 1,5	20 – 26	37	50	8	1.693.4000.51

➔ Accessories see page 75



# HSK-EMC cable glands

## HSK-INOX-EMC

PG

RoHS



**Material** 1.4305

**Clamping insert** Polyamide

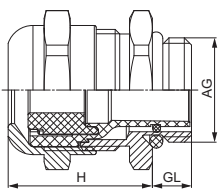
**Seal** Buna-N

**O-Ring** Buna-N

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

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

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



AG	∅ mm	H mm	mm	GL mm	Number
PG 7	3 – 6,5	19	14	5	1.693.0700.01
PG 7	2 – 5	19	14	5	1.693.0700.15
PG 9	4 – 8	21	17	6	1.693.0900.01
PG 9	2 – 6	21	17	6	1.693.0900.15
PG 11	5 – 10	22	22	6	1.693.1100.01
PG 11	3 – 7	22	22	6	1.693.1100.15
PG 13,5	6 – 12	24	22	6,5	1.693.1300.01
PG 13,5	5 – 9	24	22	6,5	1.693.1300.15
PG 16	10 – 14	23	24	6,5	1.693.1600.01
PG 16	7 – 12	23	24	6,5	1.693.1600.15
PG 21	13 – 18	24	30	7	1.693.2100.01
PG 21	9 – 16	24	30	7	1.693.2100.15
PG 29	18 – 25	29	41	8	1.693.2900.01
PG 29	13 – 20	29	41	8	1.693.2900.15
PG 36	22 – 32	35	50	8	1.693.3600.01
PG 36	20 – 26	35	50	8	1.693.3600.15

➔ Accessories see page 75

# HSK-EMC cable glands

## HSK-MZ-EMC

Metr., Metr.-elongated, PG, PG-elongated, NPT

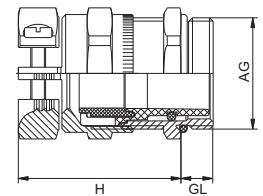


<b>Material</b>	Nickel plated brass
<b>Clamping insert</b>	Polyamide
<b>Seal</b>	Buna-N
<b>O-Ring</b>	Buna-N
<b>Protection</b>	IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
<b>Operating Temperature</b>	-40 °C – 100 °C (-40 °F – 212 °F)



**Advice:**  
 - Also available in PVDF\*  
 - Other sealing material e.g. Silicone upon request

See our homepage [www.hummel.com](http://www.hummel.com) for assembling advices for maximum cable diameters



AG	∅k mm	GL mm	H mm	∅ mm	Number	GL mm	Number elongated
M 12 x 1,5	3 – 6,5	6,5	26	14	1.692.1200.50	10	1.692.1200.30
M 16 x 1,5	6 – 10	6	29	20	1.692.1600.50	10	1.692.1600.30
M 20 x 1,5	10 – 14	6	32	24	1.692.2000.50	10	1.692.2000.30
M 25 x 1,5	13 – 18	7	35	30	1.692.2500.50	12	1.692.2500.30
M 32 x 1,5	18 – 25	8	41	40	1.692.3200.50	12	1.692.3200.30
M 40 x 1,5	22 – 32	8	48	50	1.692.4000.50	15	1.692.4000.30
M 50 x 1,5	32 – 38	9	51	57	1.692.5000.50	15	1.692.5000.30
M 50 x 1,5	25 – 31	9	51	57	1.692.5000.51	15	1.692.5000.31
M 63 x 1,5	37 – 44	10	52	64 / 68	1.692.6300.50	15	1.692.6300.30
M 63 x 1,5	29 – 35	10	52	64 / 68	1.692.6300.51	15	1.692.6300.31
PG 7*	3 – 6,5	5	26	14	1.692.0700.01	10	1.692.0700.60
PG 9*	4 – 8	6	28	17	1.692.0900.01	10	1.692.0900.60
PG 11*	6 – 10	6	29	20	1.692.1100.01	10	1.692.1100.60
PG 13,5*	6 – 12	6,5	33	22	1.692.1300.01	10	1.692.1300.60
PG 16*	10 – 14	6,5	32	24	1.692.1600.01	10	1.692.1600.60
PG 21*	13 – 18	7	35	30	1.692.2100.01	12	1.692.2100.60
PG 29*	18 – 25	8	41	40	1.692.2900.01	12	1.692.2900.60
PG 36*	22 – 32	8	48	50	1.692.3600.01	15	1.692.3600.60
PG 42*	32 – 38	9	51	57	1.692.4200.01	15	1.692.4200.60
PG 42*	25 – 31	9	51	57	1.692.4200.15	15	1.692.4200.61
PG 48*	37 – 44	10	51	64	1.692.4800.01	15	1.692.4800.60
PG 48*	29 – 35	10	51	64	1.692.4800.15	15	1.692.4800.61
NPT 3/8"	4 – 8	15	28	17 / 19	1.692.3800.70		
NPT 1/2"	6 – 12	13	29	22 / 24	1.692.1200.70		
NPT 3/4"	13 – 18	13	35	30	1.692.3400.70		



➔ Accessories see page 75