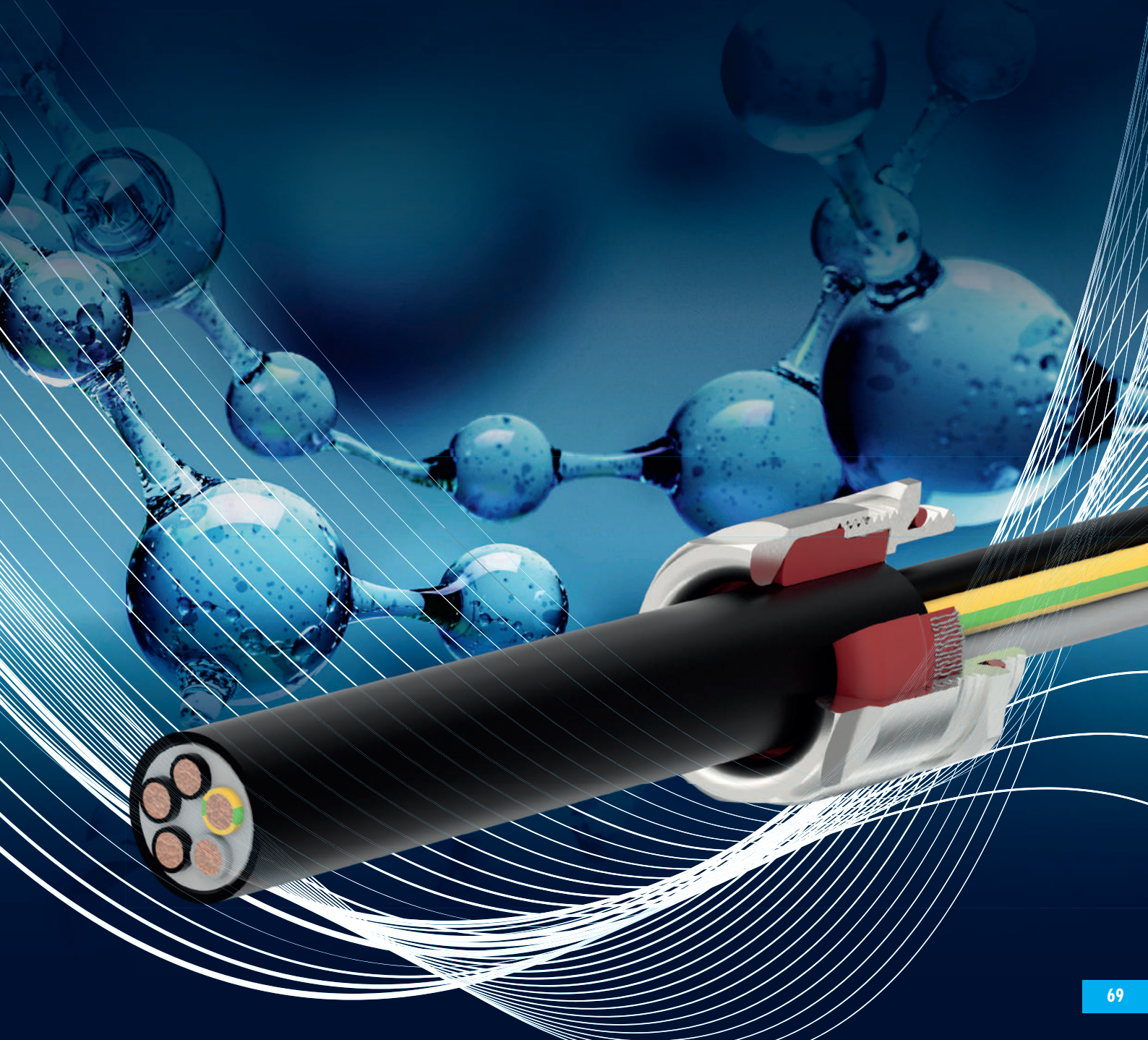


# CABLE GLANDS FOR SPECIAL APPLICATIONS

With the VariaPro series, HUMMEL focusses on very special applications and the particular requirements of selected sectors. The VariaPro cable glands have been designed for very special sector requirements in each case. Their specific strengths with regard to temperature, fire protection or hygiene are certified which means they can be used without restriction in these extreme applications.

- // VariaPro Rail: The cable gland with railway approval EN 45545-3
- // VariaPro Temp: Suitable for particularly low and extremely high temperatures
- // VariaPro FKM: The acid-resistant cable gland for the process industry
- // HSK-INOX-HD: Developed for areas with a high level of hygienic requirements
- // HSK-INOX-HD-Pro: The HD cable gland with EHEDG certification



## VariaPro: Outstanding technical properties

Demanding markets with special challenges – these are ideal conditions for VariaPro. These cable glands impress with numerous technical features. The large clamping ranges of all variants are outstanding. For users this means high flexibility, easy procurement and lean warehousing. Simple assembly is also user-friendly. Two different wrench sizes on one gland facilitate tightening. The optimised ergonomics also ensure a better grip of the tool.

### Technical features

- // Available sizes M12 to M63
- // Integrated EMC connection
- // Protection class IP 68 up to 10 bar
- // Robust design and slimline construction
- // Large clamping range through a reduction insert

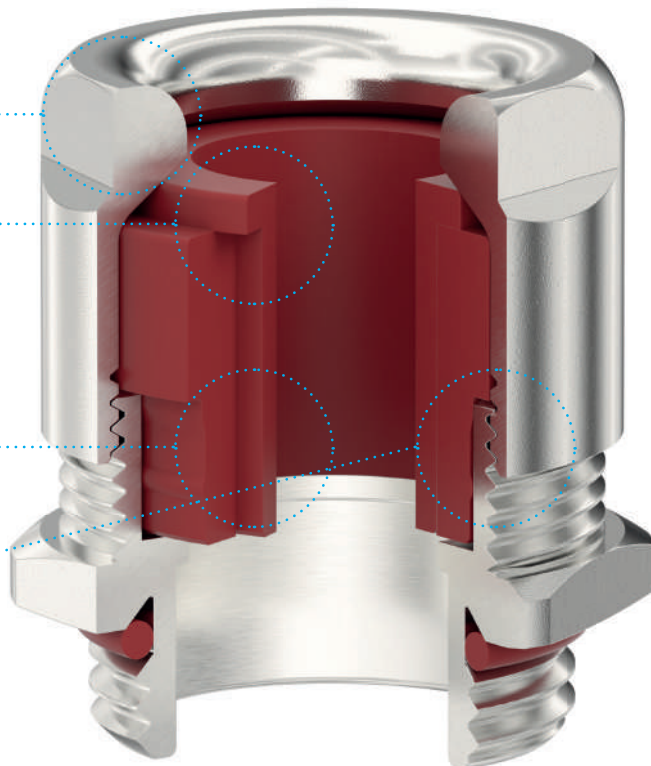
## VariaPro

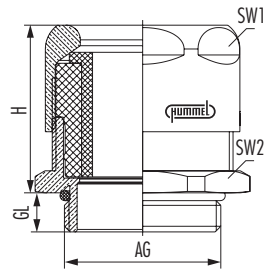
Compact union nut for easy installation even in confined spaces

Removable reduction sealing insert

Integrated EMC connection on the sealing insert

Anti-twist protection for the sealing insert and cable at the intermediate socket





Material	Nickel-plated brass
Seal	EPDM
Material o-ring	EPDM
Protection class	IP 68 – 10 bar
Integrity	E30 / E20
Temperature range	-40°C to +100°C

RoHS

EMV  
EMC

- // DIN EN 45545-2 and DIN EN 45545-3
- // Large clamping range through reduction insert
- // Integrated anti-twist protection during cable installation

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	 Nm	Item-No
M12 x 1.5	2 – 8	6.5	20	16/17	3	1.750.1200.50
M12 x 1.5	5 – 8	6.5	20	16/17	5	1.750.1200.51
M16 x 1.5	4 – 11	7	24.5	19/20	5	1.750.1600.50
M16 x 1.5	7 – 11	7	24.5	19/20	8	1.750.1600.51
M20 x 1.5	7 – 14	6	27	22/24	6	1.750.2000.50
M20 x 1.5	10 – 14	6	27	22/24	6	1.750.2000.51
M25 x 1.5	11 – 18	7	29	27/30	10	1.750.2500.50
M25 x 1.5	14.5 – 18	7	29	27/30	10	1.750.2500.51
M32 x 1.5	16 – 25	8	34	36/40	12	1.750.3200.50
M32 x 1.5	20.5 – 25	8	34	36/40	12	1.750.3200.51
M40 x 1.5	21 – 32	8	40	46/50	15	1.750.4000.50
M40 x 1.5	26.5 – 32	8	40	46/50	15	1.750.4000.51
M50 x 1.5	31 – 42	9	48	57/57	20	1.750.5000.50
M50 x 1.5	35 – 42	9	48	57/57	20	1.750.5000.51
M63 x 1.5	41 – 54	10	47.5	65/68	32	1.750.6300.50
M63 x 1.5	46.5 – 54	10	47.5	65/68	37	1.750.6300.51

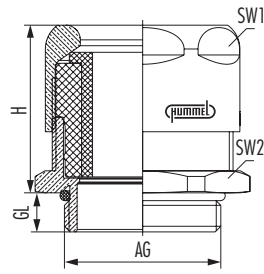


to the product video



# Cable glands for special applications

## VariaPro Temp (metric)




Material	Nickel-plated brass
Seal	VMQ (silicone)
Material o-ring	VMQ (silicone)
Protection class	IP 68 – 10 bar
Temperature range	-60°C to +200°C

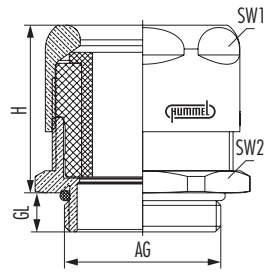
RoHS

EMV  
EMC

- // Suitable for absolute low and high temperature applications
- // Integrated possibility for EMC connection
- // Large clamping range through reduction insert
- // Integrated anti-twist protection during cable installation

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	 Nm	Item-No
M12 x 1.5	2 – 8	6.5	20	16/17	3	1.751.1200.50
M12 x 1.5	5 – 8	6.5	20	16/17	5	1.751.1200.51
M16 x 1.5	4 – 11	7	24.5	19/20	5	1.751.1600.50
M16 x 1.5	7 – 11	7	24.5	19/20	8	1.751.1600.51
M20 x 1.5	7 – 14	6	27	22/24	6	1.751.2000.50
M20 x 1.5	10 – 14	6	27	22/24	6	1.751.2000.51
M25 x 1.5	11 – 18	7	29	27/30	18	1.751.2500.50
M25 x 1.5	14.5 – 18	7	29	27/30	10	1.751.2500.51
M32 x 1.5	16 – 25	8	34	36/40	24	1.751.3200.50
M32 x 1.5	20.5 – 25	8	34	36/40	20	1.751.3200.51
M40 x 1.5	21 – 32	8	40	46/50	20	1.751.4000.50
M40 x 1.5	26.5 – 32	8	40	46/50	20	1.751.4000.51
M50 x 1.5	31 – 42	9	48	57/57	20	1.751.5000.50
M50 x 1.5	35 – 42	9	48	57/57	20	1.751.5000.51
M63 x 1.5	41 – 54	10	47.5	65/68	32	1.751.6300.50
M63 x 1.5	46.5 – 54	10	47.5	65/68	37	1.751.6300.51






Material	Nickel-plated brass
Seal	FKM
Material o-ring	FKM
Protection class	IP 68 – 10 bar
Temperature range	-20°C to +180°C

RoHS

EMV  
EMC

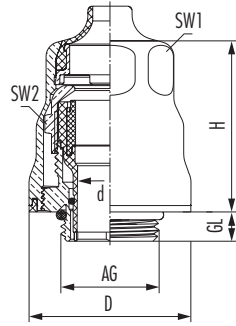
- // High resistance to acids and chemicals
- // Integrated possibility for EMC connection
- // Large clamping range through reduction insert
- // Integrated anti-twist protection during cable installation

AG	∅k mm	GL mm	H mm	SW1/SW2 mm	 Nm	Item-No
M12 x 1.5	2 – 8	6.5	20	16/17	3	1.752.1200.50
M12 x 1.5	5 – 8	6.5	20	16/17	5	1.752.1200.51
M16 x 1.5	4 – 11	7	24.5	19/20	5	1.752.1600.50
M16 x 1.5	7 – 11	7	24.5	19/20	8	1.752.1600.51
M20 x 1.5	7 – 14	6	27	22/24	6	1.752.2000.50
M20 x 1.5	10 – 14	6	27	22/24	6	1.752.2000.51
M25 x 1.5	11 – 18	7	29	27/30	10	1.752.2500.50
M25 x 1.5	14.5 – 18	7	29	27/30	10	1.752.2500.51
M32 x 1.5	16 – 25	8	34	36/40	12	1.752.3200.50
M32 x 1.5	20.5 – 25	8	34	36/40	12	1.752.3200.51
M40 x 1.5	21 – 32	8	40	46/50	15	1.752.4000.50
M40 x 1.5	26.5 – 32	8	40	46/50	15	1.752.4000.51
M50 x 1.5	31 – 42	9	48	57/57	20	1.752.5000.50
M50 x 1.5	35 – 42	9	48	57/57	20	1.752.5000.51
M63 x 1.5	41 – 54	10	47.5	65/68	32	1.752.6300.50
M63 x 1.5	46.5 – 54	10	47.5	65/68	37	1.752.6300.51



# Cable glands for special applications

## HSK-INOX-HD (metric)



Material	INOX 1.4404
Seal	VMQ (silicone)
Protection class	IP 68
Temperature range	-40°C to +120°C

**EMV  
EMC**

- // EMC integrated
- // VDMA Riboflavin cleaning test fulfilled and passed
- // Durability and cleanability tested and passed with compounds from ECOLAB

AG	∅k mm	D mm	d mm	GL mm	H mm	SW1/SW2 mm	⌀ Nm	Item-No
M12 x 1.5	3.5 – 6.5	21	5.8	6	30	14/14	4	1.740.1202.50
M16 x 1.5	5 – 10	27	9.3	6	34	18/20	5	1.740.1602.50
M20 x 1.5	10 – 14	33	13.2	6	34.5	24/24	10	1.740.2002.50
M25 x 1.5	13 – 18	40	17.3	7	41.5	27/30	12	1.740.2502.50

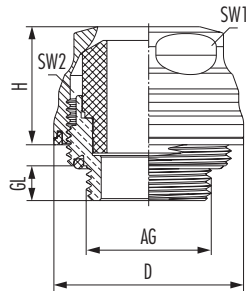


to the product video



to the assembly  
instruction





Material	INOX 1.4404
Seal	VMQ (silicone)
Protection class	IP 69 K / IP 68 – 10 bar / IP 66
Temperature range	-40°C to +120°C

**EMV  
EMC**

- // EMC connection integrated
- // VDMA Riboflavin cleaning test passed
- // EHEDG O1 cleaning test passed
- // EHEDG certificate EL class I AUX approved

AG	∅∅ mm	D mm	GL mm	H mm	SW1/SW2 mm	⊕ Nm	Item-No
M12 x 1.5	5 – 6.5	21	6	19	14/14	8	1.740.1203.50
M16 x 1.5	6 – 7.5	27	6	20	19/21	15	1.740.1603.51
M16 x 1.5	7.5 – 10	27	6	20	19/21	15	1.740.1603.50
M20 x 1.5	9 – 12	33	6	22.5	24/27	30	1.740.2003.51
M20 x 1.5	11 – 13.5	33	6	22.5	24/27	30	1.740.2003.50
M25 x 1.5	14 – 16	38	7	23.5	30/30	35	1.740.2503.52
M25 x 1.5	15 – 18	38	7	23.5	30/30	35	1.740.2503.50
M32 x 1.5	18 – 21	45	8	26.5	36/36	40	1.740.3203.51
M32 x 1.5	21 – 25	45	8	26.5	36/36	40	1.740.3203.50



to the assembly  
instruction



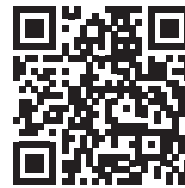
# HUMMEL AG on social media

Apart from the HUMMEL website ([www.hummel.com](http://www.hummel.com)), information, news, videos and posts are available on different social media channels. The target group-specific topics to choose from range from training at HUMMEL, product innovations, information about events and reviews or even simply the light and amusing side of everyday working at HUMMEL AG.

## YouTube

Youtube: On the HUMMEL Youtube channel there are many video clips of

- // Product presentations
- // Installation/Assembly videos
- // 3-D animations
- // Training videos



<https://www.youtube.com/user/HummelAGET>



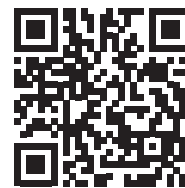
Facebook: Here the topics primarily cover training at HUMMEL and everyday work in the company.



<https://www.facebook.com/Hummel.AG>

## LinkedIn

LinkedIn: Following is worthwhile! All product innovations and news are published on LinkedIn promptly.



<https://www.linkedin.com/company/10651915>

## XING

XING: Information about the company and contacts with many HUMMEL employees are also available via XING.



<https://www.xing.com/pages/hummelag>

