

HUMMEL products are available from MARYLAND METRICS

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Setting Standards

HSK-Industry-Ex-d Standard

Strain relief fittings in all popular thread types and sizes for standard applications in hazardous location type „e” or „d” according to EN 50014, EN 50018 and EN 50019:

- Machine, apparatus and plant equipment
- Measuring control and feedback systems
- Control cabinets
- Marine
- Off-shore

and in all applications where excellent performance, fire resistance, and resistance against turning of the cable are critical.

HSK-M-Ex-d

Liquid tight strain relief fittings for flame proof enclosures „d” made of nickel plated brass

HSK-MZ-Ex-d

Liquid tight strain relief fittings for flame proof enclosures „d” with additional cable clamp made of nickel plated brass

HSK-INOX-Ex-d

Liquid tight strain relief fittings for flame proof enclosures „d” made of stainless steel

RSD-Ms-Ex-d

Reducing bushing made of nickel plated brass for hazardous locations „d”

RSD-INOX-Ex-d

Reducing bushing made of stainless steel for hazardous locations „d”

V-Ms-Ex-d

Threaded brass plug for hazardous locations „d”

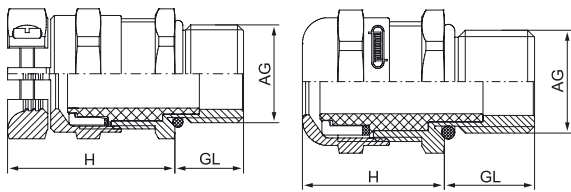
V-INOX-Ex-d

Threaded stainless steel plugs for hazardous locations „d”



HSK-M/MZ-Ex-d

Mettr.



Material
Clamping insert
Seal
O-Ring
Protection

Nickel plated brass
PA (Nylon) / PVDF
FPM / FPM
FPM / FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



For approvals see page 162

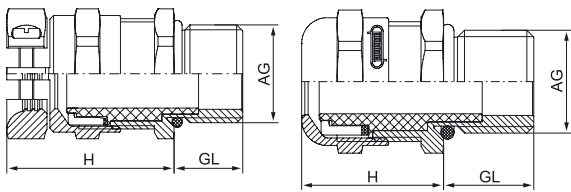
ATEX II 2G 1D Ex d IIC

AG	\varnothing mm	Ex- Generation	GL mm	H mm	\varnothing mm	HSK-M / MZ-Ex-d -60°C – 105°C (-76°F – 221°F)	HSK-M-PVDF-Ex-d -20°C – 130°C (-4°F – 266°F)
HSK-M-Ex-d							
M 12 x 1,5	3 - 6,5	ATEX	14	19	14	1.622.1200.50	1.634.1200.50
M 12 x 1,5	2 - 5	ATEX	14	19	14	1.622.1200.51	1.634.1200.51
M 16 x 1,5	5 - 10	ATEX	14	22	20	1.622.1600.50	1.634.1600.50
M 16 x 1,5	3 - 7	ATEX	14	22	20	1.622.1600.51	1.634.1600.51
M 20 x 1,5	10 - 14	ATEX	14	25	24	1.622.2000.50	1.634.2000.50
M 20 x 1,5	7 - 12	ATEX	14	25	24	1.622.2000.51	1.634.2000.51
M 25 x 1,5	13 - 18	ATEX	14	26,5	30	1.622.2500.50	1.634.2500.50
M 25 x 1,5	9 - 16	ATEX	14	26,5	30	1.622.2500.51	1.634.2500.51
M 32 x 1,5	18 - 25	ATEX	14	32	40	1.622.3200.50	1.634.3200.50
M 32 x 1,5	14 - 20	ATEX	14	32	40	1.622.3200.51	1.634.3200.51
M 40 x 1,5	22 - 32	ATEX	14	38,5	50	1.622.4000.50	1.634.4000.50
M 40 x 1,5	20 - 26	ATEX	14	38,5	50	1.622.4000.51	1.634.4000.51
HSK-MZ-Ex-d (with additional strain relief)							
M 12 x 1,5	3 - 6,5	ATEX	14	26	14	1.628.1200.50	
M 16 x 1,5	5 - 10	ATEX	14	30	20	1.628.1600.50	
M 20 x 1,5	10 - 14	ATEX	14	34	24	1.628.2000.50	
M 25 x 1,5	13 - 18	ATEX	14	38	30	1.628.2500.50	
M 32 x 1,5	18 - 25	ATEX	14	44	40	1.628.3200.50	
M 40 x 1,5	22 - 32	ATEX	14	51,5	50	1.628.4000.50	



HSK-M/MZ-Ex-d

NPT



Material
Clamping insert
Seal
O-Ring
Protection

Nickel plated brass
PA (Nylon) / PVDF
FPM / FPM
FPM / FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



For approvals see page 162

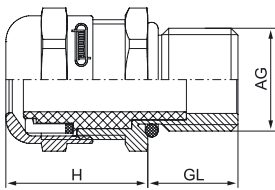
ATEX II 2G 1D Ex d IIC

AG	\varnothing mm	Ex- Generation	GL mm	H mm	\varnothing mm	HSK-M / MZ-Ex-d -60 °C – 105 °C (-76 °F – 221 °F)	HSK-M-PVDF-Ex-d -20 °C – 130 °C (-4 °F – 266 °F)
HSK-M-Ex-d							
NPT 3/8"	5 - 10	ATEX	15	22	20	1.622.3800.70	1.634.3800.70
NPT 3/8"	3 - 7	ATEX	15	22	20	1.622.3800.71	1.634.3800.71
NPT 1/2"	10 - 14	ATEX	15	25	24	1.622.1200.70	1.634.1200.70
NPT 1/2"	7 - 12	ATEX	15	25	24	1.622.1200.71	1.634.1200.71
NPT 3/4"	13 - 18	ATEX	15	26,5	30	1.622.3400.70	1.634.3400.70
NPT 3/4"	9 - 16	ATEX	15	26,5	30	1.622.3400.71	1.634.3400.71
NPT 1"	18 - 25	ATEX	19	32	40	1.622.1000.70	1.622.1000.71
NPT 1"	14 - 20	ATEX	19	32	40	1.622.1000.71	1.622.1000.71
NPT 1 1/4"	22 - 32	ATEX	19	38,5	50	1.622.5400.70	1.622.5400.71
NPT 1 1/4"	20 - 26	ATEX	19	38,5	50	1.622.5400.71	1.622.5400.71
NPT 1 1/2"	22 - 32	ATEX	19	38,5	50	1.622.6400.70	1.622.6400.71
NPT 1 1/2"	20 - 26	ATEX	19	38,5	50	1.622.6400.71	1.622.6400.71
HSK-MZ-Ex-d (with additional strain relief)							
NPT 3/8"	5 - 10	ATEX	15	30	20	1.628.3800.70	1.628.3800.70
NPT 1/2"	10 - 14	ATEX	15	34	24	1.628.1200.70	1.628.1200.70
NPT 3/4"	13 - 18	ATEX	15	38	30	1.628.3400.70	1.628.3400.70
NPT 1"	18 - 25	ATEX	19	44	40	1.628.1000.70	1.628.1000.70
NPT 1 1/4"	22 - 32	ATEX	19	51,5	50	1.628.5400.70	1.628.5400.70
NPT 1 1/2"	22 - 32	ATEX	19	51,5	50	1.628.6400.70	1.628.6400.70



HSK-INOX-Ex-d

Mettr.



Material
Clamping insert
Seal
O-Ring
Protection

Stainless steel (1.4404)
PVDF
FPM
FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



For approvals see page 162

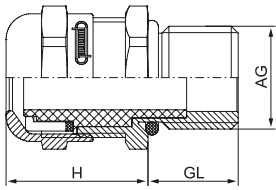
ATEX II 2G 1D Ex d IIC

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



HSK-INOX-Ex-d

NPT



Material
Clamping insert
Seal
O-Ring
Protection

Stainless steel (1.4404)
PVDF
FPM
FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range

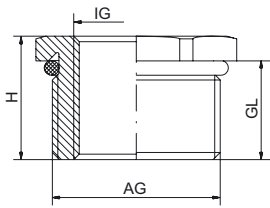


For approvals see page 162

ATEX II 2G 1D Ex d IIC

AG	\varnothing mm	Ex- Generation	GL mm	H mm	\varnothing mm	HSK-INOX-Ex-d -60°C – 105°C (-76°F – 221°F)	HSK-INOX-PVDF-Ex-d -20°C – 130°C (-4°F – 266°F)
NPT 3/8"	5 - 10	ATEX	15	22	20	1.632.3800.70	1.633.3800.70
NPT 3/8"	3 - 7	ATEX	15	22	20	1.632.3800.71	1.633.3800.71
NPT 1/2"	10 - 14	ATEX	15	25	24	1.632.1200.70	1.633.1200.70
NPT 1/2"	7 - 12	ATEX	15	25	24	1.632.1200.71	1.633.1200.71
NPT 3/4"	13 - 18	ATEX	15	26,5	30	1.632.3400.70	1.633.3400.70
NPT 3/4"	9 - 16	ATEX	15	26,5	30	1.632.3400.71	1.633.3400.71






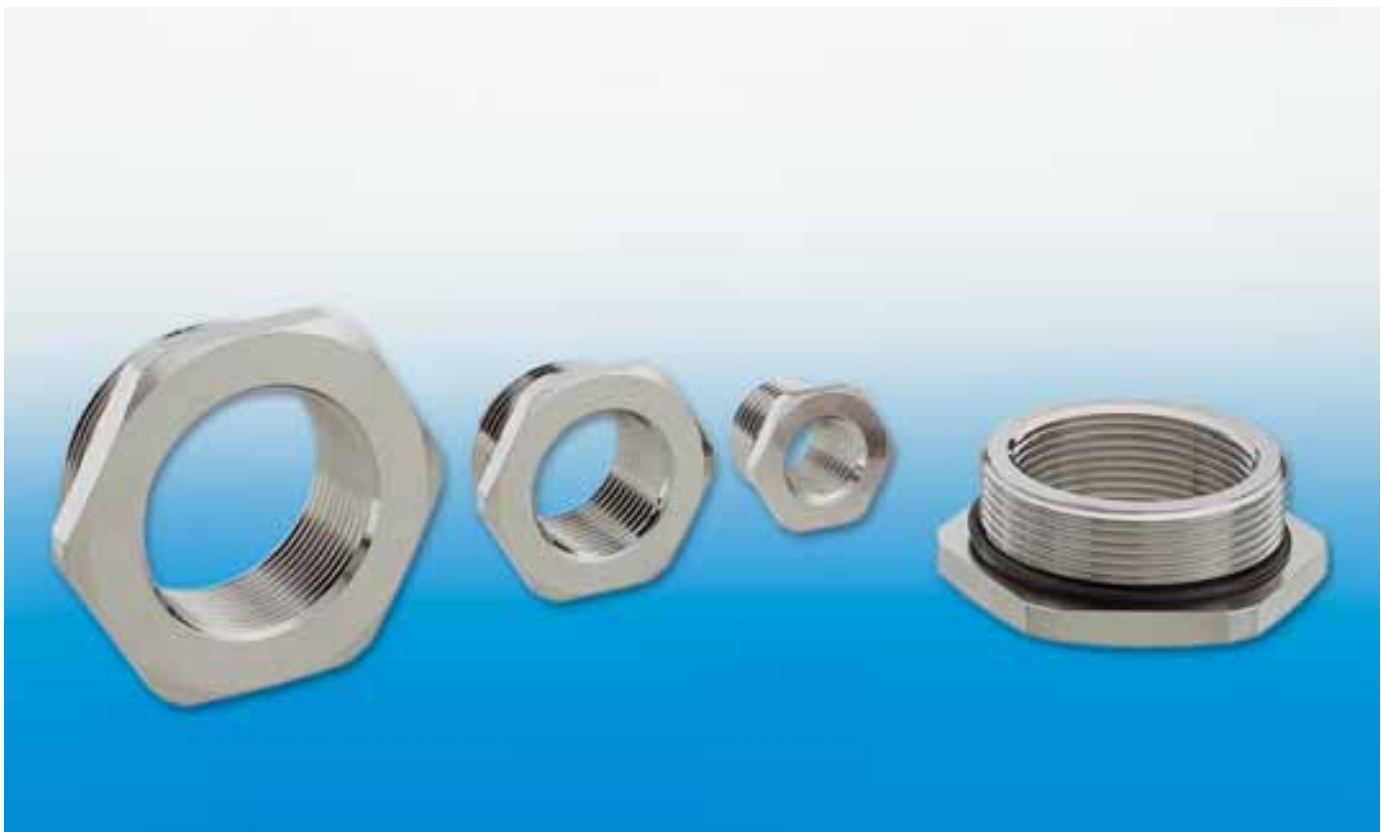
Material Nickel plated brass /
Stainless steel (1.4404)
O-Ring Buna-N / VMQ
Protection IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)

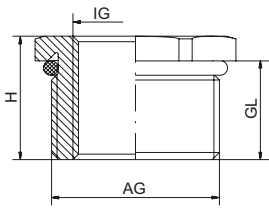


For approvals see page 162

ATEX II 2G 1D Ex d IIC

AG	IG	GL mm	H mm	 mm	Number -20 °C – 95 °C (-4 °F – 203 °F)	Number -60 °C – 180 °C (-76 °F – 356 °F)
M 16 x 1,5	M 12 x 1,5	12	15	19	1.878.1612.50	1.879.1612.50
M 20 x 1,5	M 12 x 1,5	12	15,5	22	1.878.2012.50	1.879.2012.50
M 20 x 1,5	M 16 x 1,5	12	15,5	22	1.878.2016.50	1.879.2016.50
M 25 x 1,5	M 16 x 1,5	12	15,5	30	1.878.2516.50	1.879.2516.50
M 25 x 1,5	M 20 x 1,5	12	15,5	30	1.878.2520.50	1.879.2520.50
M 32 x 1,5	M 16 x 1,5	12	16,5	41	1.878.3216.50	1.879.3216.50
M 32 x 1,5	M 20 x 1,5	12	16,5	41	1.878.3220.50	1.879.3220.50
M 32 x 1,5	M 25 x 1,5	12	16,5	41	1.878.3225.50	1.879.3225.50
M 40 x 1,5	M 20 x 1,5	12	17	46	1.878.4020.50	1.879.4020.50
M 40 x 1,5	M 25 x 1,5	12	17	46	1.878.4025.50	1.879.4025.50
M 40 x 1,5	M 32 x 1,5	12	17	46	1.878.4032.50	1.879.4032.50

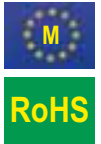




Material

O-Ring
Protection


Nickel plated brass /
Stainless steel (1.4404)
Buna-N / VMQ
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)



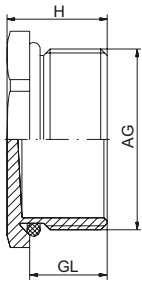
For approvals see page 162



ATEX II 2G 1D Ex d IIC

AG	IG	GL mm	H mm	 mm	Number -20 °C – 95 °C (-4 °F – 203 °F)	Number -60 °C – 180 °C (-76 °F – 356 °F)
M 16 x 1,5	M 12 x 1,5	12	15	19	1.898.1612.50	1.899.1612.50
M 20 x 1,5	M 12 x 1,5	12	15,5	22	1.898.2012.50	1.899.2012.50
M 20 x 1,5	M 16 x 1,5	12	15,5	22	1.898.2016.50	1.899.2016.50
M 25 x 1,5	M 16 x 1,5	12	15,5	30	1.898.2516.50	1.899.2516.50
M 25 x 1,5	M 20 x 1,5	12	15,5	30	1.898.2520.50	1.899.2520.50
M 32 x 1,5	M 16 x 1,5	12	16,5	41	1.898.3216.50	1.899.3216.50
M 32 x 1,5	M 20 x 1,5	12	16,5	41	1.898.3220.50	1.899.3220.50
M 32 x 1,5	M 25 x 1,5	12	16,5	41	1.898.3225.50	1.899.3225.50
M 40 x 1,5	M 20 x 1,5	12	17	46	1.898.4020.50	1.899.4020.50
M 40 x 1,5	M 25 x 1,5	12	17	46	1.898.4025.50	1.899.4025.50
M 40 x 1,5	M 32 x 1,5	12	17	46	1.898.4032.50	1.899.4032.50





Material Nickel plated brass / INOX (1.4404)
 Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG)
 O-Ring Buna-N / FPM / VMQ



For approvals see page 162

ATEX II 2G 1D Ex d IIC

AG	Ex-Generation	GL mm	H mm	mm	Number	Number	Number
					-20°C – 95°C (-4°F – 203°F)	-20°C – 180°C (-4°F – 356°F)	-60°C – 180°C (-76°F – 356°F)
V-MS-Ex-d							
M 12 x 1,5	ATEX	12	17	14	1.875.1200.50	1.876.1200.50	1.877.1200.50
M 16 x 1,5	ATEX	12	16	19	1.875.1600.50	1.876.1600.50	1.877.1600.50
M 20 x 1,5	ATEX	12	15,5	22	1.875.2000.50	1.876.2000.50	1.877.2000.50
M 25 x 1,5	ATEX	12	15,5	30	1.875.2500.50	1.876.2500.50	1.877.2500.50
M 32 x 1,5	ATEX	12	16,5	41	1.875.3200.50	1.876.3200.50	1.877.3200.50
M 40 x 1,5	ATEX	12	17	46	1.875.4000.50	1.876.4000.50	1.877.4000.50
M 50 x 1,5	ATEX	12	18	55	1.875.5000.50	1.876.5000.50	1.877.5000.50
M 63 x 1,5	ATEX	12	18,5	70	1.875.6300.50	1.876.6300.50	1.877.6300.50
V-INOX-Ex-d							
M 12 x 1,5	ATEX	12	15	14	1.895.1200.50	1.896.1200.50	1.897.1200.50
M 16 x 1,5	ATEX	12	15	19	1.895.1600.50	1.896.1600.50	1.897.1600.50
M 20 x 1,5	ATEX	12	15,5	22	1.895.2000.50	1.896.2000.50	1.897.2000.50
M 25 x 1,5	ATEX	12	15,5	30	1.895.2500.50	1.896.2500.50	1.897.2500.50
M 32 x 1,5	ATEX	12	16,5	41	1.895.3200.50	1.896.3200.50	1.897.3200.50
M 40 x 1,5	ATEX	12	17	46	1.895.4000.50	1.896.4000.50	1.897.4000.50
M 50 x 1,5	ATEX	12	18	55	1.895.5000.50	1.896.5000.50	1.897.5000.50
M 63 x 1,5	ATEX	12	18,5	70	1.895.6300.50	1.896.6300.50	1.897.6300.50

