

Cable glands for hazardous areas



Cable glands for all popular threads, used in electrical equipment and hazardous areas in Group I, II and III applications. The Ex d, Ex e and/or Ex ta certified cable glands have been designed for all explosion proof areas which are in need of high standards, reliability, strain relief and water proof requirements, e.g. marine, offshore, gas conveying machinery, refineries and chemical industry.



You can find in this chapter

- **EXIOS⁺ STANDARD** the innovative HUMMEL high-end cable gland for armoured cables in hazardous areas including the latest IECEx and ATEX certifications, for the use in Ex e, Ex d and Ex ta areas.
- **EXIOS⁺ MZ** High-end cable gland with extra strain relief and zero torsion on armour and wires. For armoured cables in hazardous areas including the latest IECEx and ATEX certifications, for the use in Ex e, Ex d and Ex ta areas.
- **EXIOS⁺ BARRIER** High-end cable gland for armoured cables in hazardous areas uses a barrier compound sealing. Including the latest IECEx and ATEX certifications, for the use in Ex e, Ex d and Ex ta areas.
- **EXIOS⁺ A2F** for non-armoured cables for the use in Ex e and Ex d areas
- Accessories:
 - Thread Seal Ring
 - Plugs
 - Earthtags
 - Serrated Washer

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

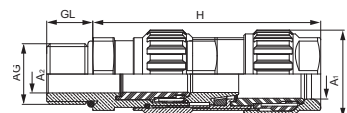
Cable glands for hazardous areas

EXIOS⁺ STANDARD
Metr., NPT


Material	Brass
Seal	Silicone, VMQ
Clamping insert	PA 6
Armouring	Metallic Armour or Screen
Protection	IP 66, 67 and 68 (5 bar)
Operating Temperature	-60° C – 105° C (-76° F – 221° F)



Advice:
- INOX on request



AG	Size	Ø		GL mm	H max. mm	mm	D mm	Armouring Ø mm			Number
		A ₁ mm	A ₂ mm					Clamping ring 1	Clamping ring 2	Clamping ring optional	
M 16 x1,5	20-1	6 – 12	3 – 8,1	16	69,5	22	27	0 – 0,7	0,7 – 1,25		1.605.1600.50
M 20 x1,5	20-1	6 – 12	3 – 8,1	16	69,5	22	27	0 – 0,7	0,7 – 1,25		1.605.2000.50
M 20 x1,5	20-2	9 – 16	6 – 12	16	74,3	24	29	0 – 0,7	0,7 – 1,25		1.605.2000.51
M 20 x1,5	20-3	12,5 – 20,5	9 – 14	16	80,5	30	35	0 – 0,7	0,7 – 1,4		1.605.2000.52
M 25 x1,5	20-3	12,5 – 20,5	9 – 14	16	80,5	30	35	0 – 0,7	0,7 – 1,4		1.605.2500.51
M 25 x1,5	25	16,9 – 26	12,5 – 20,5	16	91	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.605.2500.50
M 32 x1,5	32	22 – 33	16,9 – 26	16	96	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.3200.50
M 40 x1,5	40	28 – 41	22 – 33	16	107	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.4000.50
M 50 x1,5	50	36 – 52,6	28,9 – 44,4	16	131,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.5000.50
M 63 x1,5	63	46 – 65,3	39,9 – 56,3	16	144,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.6300.50
M 75 x1,5	75	57 – 78	50,5 – 68,2	16	154	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.7500.50
NPT 3/8"	20 – 1	6 – 12	3 – 8,1	16	69,5	22	27	0 – 0,7	0,7 – 1,25		1.605.3800.70
NPT 1/2"	20 – 2	9 – 16	6 – 12	20	74,3	24	29	0 – 0,7	0,7 – 1,25		1.605.1200.70
NPT 1/2"	20 – 3	12,5 – 20,5	9 – 14	20	80,5	30	35	0 – 0,7	0,7 – 1,4		1.605.1200.71
NPT 3/4"	25	16,9 – 26	12,5 – 20,5	20,5	91	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.605.3400.70
NPT 1"	32	22 – 33	16,9 – 26	25	96	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.1000.70
NPT 1 1/4"	40	28 – 41	22 – 33	26	107	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.5400.70
NPT 1 1/2"	40	28 – 41	22 – 33	26,5	107	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.6400.70
NPT 2"	50	36 – 52,6	28,9 – 44,4	27	131,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.2000.70
NPT 2 1/2"	63	46 – 65,3	39,9 – 56,3	40	144,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.5200.70
NPT 3"	75	57 – 78	50,5 – 68,2	41,5	154	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.3000.70

Cable glands for hazardous areas

EXIOS⁺ STANDARD

Metr., NPT



II 2G Ex de IIC Gb
II 1D Ex ta IIIC Da

ATEX BVS 10 ATEX E 062 X

IECEx BVS 10.0078X

EAC

INMETRO AEX-13499-X



Material Nickel plated brass

Seal Silicone, VMQ

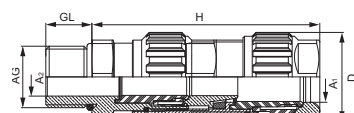
Clamping insert PA 6

Armouring Metallic Armour or Screen

Protection IP 66, 67 and 68 (5 bar)

Operating Temperature -60° C – 105° C (-76° F – 221° F)

Advice:
- INOX on request



AG	Size	Ø		GL mm	H max. mm	mm	D mm	Armouring Ø mm			Number
		A1 mm	A2 mm					Clamping ring 1	Clamping ring 2	Clamping ring optional	
M 16 x1,5	20-1	6 – 12	3 – 8,1	16	69,5	22	27	0 – 0,7	0,7 – 1,25		1.605.1603.50
M 20 x1,5	20-1	6 – 12	3 – 8,1	16	69,5	22	27	0 – 0,7	0,7 – 1,25		1.605.2003.50
M 20 x1,5	20-2	9 – 16	6 – 12	16	74,3	24	29	0 – 0,7	0,7 – 1,25		1.605.2003.51
M 20 x1,5	20-3	12,5 – 20,5	9 – 14	16	80,5	30	35	0 – 0,7	0,7 – 1,4		1.605.2003.52
M 25 x1,5	20-3	12,5 – 20,5	9 – 14	16	80,5	30	35	0 – 0,7	0,7 – 1,4		1.605.2503.51
M 25 x1,5	25	16,9 – 26	12,5 – 20,5	16	91	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.605.2503.50
M 32 x1,5	32	22 – 33	16,9 – 26	16	96	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.3203.50
M 40 x1,5	40	28 – 41	22 – 33	16	107	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.4003.50
M 50 x1,5	50	36 – 52,6	28,9 – 44,4	16	131,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.5003.50
M 63 x1,5	63	46 – 65,3	39,9 – 56,3	16	144,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.6303.50
M 75 x1,5	75	57 – 78	50,5 – 68,2	16	154	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.7503.50
NPT 3/8"	20 – 1	6 – 12	3 – 8,1	16	69,5	22	27	0 – 0,7	0,7 – 1,25		1.605.3803.70
NPT 1/2"	20 – 2	9 – 16	6 – 12	20	74,3	24	29	0 – 0,7	0,7 – 1,25		1.605.1203.70
NPT 1/2"	20 – 3	12,5 – 20,5	9 – 14	20	80,5	30	35	0 – 0,7	0,7 – 1,4		1.605.1203.71
NPT 3/4"	25	16,9 – 26	12,5 – 20,5	20,5	91	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.605.3403.70
NPT 1"	32	22 – 33	16,9 – 26	25	96	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.1003.70
NPT 1 1/4"	40	28 – 41	22 – 33	26	107	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.5403.70
NPT 1 1/2"	40	28 – 41	22 – 33	26,5	107	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.605.6403.70
NPT 2"	50	36 – 52,6	28,9 – 44,4	27	131,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.2003.70
NPT 2 1/2"	63	46 – 65,3	39,9 – 56,3	40	144,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.5203.70
NPT 3"	75	57 – 78	50,5 – 68,2	41,5	154	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.605.3003.70

Cable glands for hazardous areas

EXIOS⁺ MZ
Metr., NPT


Material	Brass
Seal	Silicone, VMQ
Clamping insert	PA 6
Armouring	Metallic Armour or Screen
Protection	IP 66, 67 and 68 (5 bar)
Operating Temperature	-60° C – 105° C (-76° F – 221° F)


 II 2G Ex de IIC Gb
II 1D Ex ta IIC Da

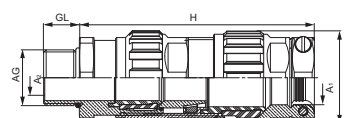

BVS 10 ATEX E 062 X



BVS 10.0078X



Advice:
- INOX on request



AG	Size	Ø		GL mm	H max. mm	mm	D mm	Armouring Ø mm			Number
		A ₁ mm	A ₂ mm					Clamping ring 1	Clamping ring 2	Clamping ring optional	
M 16 x1,5	20-1	6 – 11	3 – 8,1	16	79	22	27	0 – 0,7	0,7 – 1,25		1.6Z5.1600.50
M 20 x1,5	20-1	6 – 11	3 – 8,1	16	79	22	27	0 – 0,7	0,7 – 1,25		1.6Z5.2000.50
M 20 x1,5	20-2	9 – 13	6 – 12	16	83,8	24	29	0 – 0,7	0,7 – 1,25		1.6Z5.2000.51
M 20 x1,5	20-3	12,5 – 17,5	9 – 14	16	91,5	30	35	0 – 0,7	0,7 – 1,4		1.6Z5.2000.52
M 25 x1,5	20-3	12,5 – 17,5	9 – 14	16	91,5	30	35	0 – 0,7	0,7 – 1,4		1.6Z5.2500.51
M 25 x1,5	25	16,9 – 24	12,5 – 20,5	16	105,7	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.6Z5.2500.50
M 32 x1,5	32	22 – 32,5	16,9 – 26	16	107	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.3200.50
M 40 x1,5	40	28 – 41	22 – 33	16	120	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.4000.50
M 50 x1,5	50	36 – 39,5	28,9 – 44,4	16	144,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.5000.50
M 63 x1,5	63	46 – 64	39,9 – 56,3	16	157,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.6300.50
M 75 x1,5	75	57 – 78	50,5 – 68,2	16	167	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.7500.50
NPT 3/8"	20 – 1	6 – 11	3 – 8,1	16	79	22	27	0 – 0,7	0,7 – 1,25		1.6Z5.3800.70
NPT 1/2"	20 – 2	9 – 13	6 – 12	20	83,8	24	29	0 – 0,7	0,7 – 1,25		1.6Z5.1200.70
NPT 1/2"	20 – 3	12,5 – 17,5	9 – 14	20	91,5	30	35	0 – 0,7	0,7 – 1,4		1.6Z5.1200.71
NPT 3/4"	25	16,9 – 24	12,5 – 20,5	20,5	105,7	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.6Z5.3400.70
NPT 1"	32	22 – 32,5	16,9 – 26	25	107	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.1000.70
NPT 1 1/4"	40	28 – 39,5	22 – 33	26	120	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.5400.70
NPT 1 1/2"	40	28 – 39,5	22 – 33	26,5	120	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.6400.70
NPT 2"	50	36 – 49	28,9 – 44,4	27	144,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.2000.70
NPT 2 1/2"	63	46 – 64	39,9 – 56,3	40	157,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.5200.70
NPT 3"	75	57 – 78	50,5 – 68,2	41,5	167	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.3000.70

Cable glands for hazardous areas

EXIOS⁺ MZ
Metr., NPT

RoHS

**II 2G Ex de IIC Gb
II 1D Ex ta IIIC Da**
ATEX
BVS 10 ATEX E 062 X

BVS 10.0078X

Material Nickel plated brass

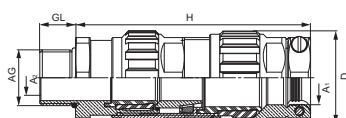
Seal Silicone, VMQ

Clamping insert PA 6

Armouring Metallic Armour or Screen

Protection IP 66, 67 and 68 (5 bar)

Operating Temperature -60° C – 105° C (-76° F – 221° F)

Advice:
- INOX on request


AG	Size	Ø		GL mm	H max. mm	Ø mm	D mm	Armouring Ø mm			Number
		A ₁ mm	A ₂ mm					Clamping ring 1	Clamping ring 2	Clamping ring optional	
M 16 x1,5	20-1	6 – 11	3 – 8,1	16	79	22	27	0 – 0,7	0,7 – 1,25		1.6Z5.1603.50
M 20 x1,5	20-1	6 – 11	3 – 8,1	16	79	22	27	0 – 0,7	0,7 – 1,25		1.6Z5.2003.50
M 20 x1,5	20-2	9 – 13	6 – 12	16	83,8	24	29	0 – 0,7	0,7 – 1,25		1.6Z5.2003.51
M 20 x1,5	20-3	12,5 – 17,5	9 – 14	16	91,5	30	35	0 – 0,7	0,7 – 1,4		1.6Z5.2003.52
M 25 x1,5	20-3	12,5 – 17,5	9 – 14	16	91,5	30	35	0 – 0,7	0,7 – 1,4		1.6Z5.2503.51
M 25 x1,5	25	16,9 – 24	12,5 – 20,5	16	105,7	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.6Z5.2503.50
M 32 x1,5	32	22 – 32,5	16,9 – 26	16	107	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.3203.50
M 40 x1,5	40	28 – 41	22 – 33	16	120	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.4003.50
M 50 x1,5	50	36 – 39,5	28,9 – 44,4	16	144,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.5003.50
M 63 x1,5	63	46 – 64	39,9 – 56,3	16	157,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.6303.50
M 75 x1,5	75	57 – 78	50,5 – 68,2	16	167	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.7503.50
NPT 3/8"	20 – 1	6 – 11	3 – 8,1	16	79	22	27	0 – 0,7	0,7 – 1,25		1.6Z5.3803.70
NPT 1/2"	20 – 2	9 – 13	6 – 12	20	83,8	24	29	0 – 0,7	0,7 – 1,25		1.6Z5.1203.70
NPT 1/2"	20 – 3	12,5 – 17,5	9 – 14	20	91,5	30	35	0 – 0,7	0,7 – 1,4		1.6Z5.1203.71
NPT 3/4"	25	16,9 – 24	12,5 – 20,5	20,5	105,7	36	42	0 – 0,7	0,9 – 1,6	0,7 – 1,4	1.6Z5.3403.70
NPT 1"	32	22 – 32,5	16,9 – 26	25	107	46	52	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.1003.70
NPT 1 1/4"	40	28 – 39,5	22 – 33	26	120	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.5403.70
NPT 1 1/2"	40	28 – 39,5	22 – 33	26,5	120	55	64	0 – 0,7	1,3 – 2,0	0,7 – 1,4	1.6Z5.6403.70
NPT 2"	50	36 – 49	28,9 – 44,4	27	144,5	65	73	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.2003.70
NPT 2 1/2"	63	46 – 64	39,9 – 56,3	40	157,5	80	90	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.5203.70
NPT 3"	75	57 – 78	50,5 – 68,2	41,5	167	95	107	0 – 1,0	1,5 – 2,5	1,0 – 2,0	1.6Z5.3003.70

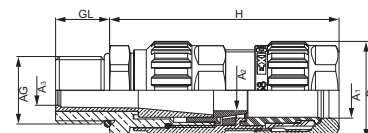
Cable glands for hazardous areas

EXIOS⁺ BARRIER
Metr., NPT


Material	Brass
Seal	Silicone, VMQ
Clamping insert	PA 6
Armouring	Metallic Armour or Screen
Compound	Two-component epoxy compound
Protection	IP 66, 67 and 68 (5 bar)
Operating Temperature	-60° C – 85 C (-76° F – 185° F)



Advice:
- INOX on request



AG	Size	Ø			Armouring Ø mm							
		A ₁ mm	A ₂ mm	A ₃ mm	GL mm	H max. mm	mm	D mm	Max. No. cores	Clamping ring 1	Clamping ring 2	Number
M 16 x1,5	20-1	6 – 12	8,2	7,9	16	68,5	22	27	8	0 – 0,7	0,7 – 1,25	1.606.1600.50
M 20 x1,5	20-1	6 – 12	8,2	7,9	16	68,5	22	27	8	0 – 0,7	0,7 – 1,25	1.606.2000.50
M 20 x1,5	20-2	9 – 16	12	8,8	16	74,3	24	29	10	0 – 0,7	0,7 – 1,25	1.606.2000.51
M 20 x1,5	20-3	12,5 – 20,5	14	11,5	16	80,5	30	35	15	0 – 0,7	0,7 – 1,4	1.606.2000.52
M 25 x1,5	20-3	12,5 – 20,5	14	11,5	16	80,5	30	35	15	0 – 0,7	0,7 – 1,4	1.606.2500.51
M 25 x1,5	25	16,9 – 26	20	16,4	16	91	36	42	25	0 – 0,7	0,9 – 1,6	1.606.2500.50
M 32 x1,5	32	22 – 32,5	26	21,4	16	96	46	52	45	0 – 0,7	1,3 – 2,0	1.606.3200.50
M 40 x1,5	40	28 – 41	33,2	27,6	16	107	55	64	70	0 – 0,7	1,3 – 2,0	1.606.4000.50
M 50 x1,5	50	36 – 52,6	44,2	37,5	16	131,5	65	73	85	0 – 1,0	1,5 – 2,5	1.606.5000.50
M 63 x1,5	63	46 – 65,3	56,2	47,3	16	144,5	80	90	120	0 – 1,0	1,5 – 2,5	1.606.6300.50
M 75 x1,5	75	57 – 78	68,2	58,0	16	154	95	107	150	0 – 1,0	1,5 – 2,5	1.606.7500.50
NPT 3/8"	20-1	6 – 12	8,2	7,9	16	64	22	27	8	0 – 0,7	0,7 – 1,25	1.606.3800.70
NPT 1/2"	20-2	9 – 12	12	8,8	20	68	24	29	10	0 – 0,7	0,7 – 1,25	1.606.1200.70
NPT 1/2"	20-3	12,5 – 20,5	14	11,5	20	73	30	35	15	0 – 0,7	0,7 – 1,4	1.606.1200.71
NPT 3/4"	25	16,9 – 26	20	16,4	20,5	81,3	36	42	25	0 – 0,7	0,9 – 1,6	1.606.3400.70
NPT 1"	32	22 – 32,5	26	21,4	25	85,5	46	52	45	0 – 0,7	1,3 – 2,0	1.606.1000.70
NPT 1 1/4"	40	28 – 41	33,2	27,6	26	94,4	55	64	70	0 – 0,7	1,3 – 2,0	1.606.5400.70
NPT 1 1/2"	40	28 – 41	33,2	27,6	26,5	94,4	55	64	70	0 – 0,7	1,3 – 2,0	1.606.6400.70
NPT 2"	50	36 – 52,6	44,2	37,5	27	116,3	65	73	85	0 – 1,0	1,5 – 2,5	1.606.2000.70
NPT 2 1/2"	63	46 – 65,3	56,2	47,3	40	127,6	80	90	120	0 – 1,0	1,5 – 2,5	1.606.5200.70
NPT 3"	75	57 – 78	68,2	58,0	41,5	136,5	95	107	150	0 – 1,0	1,5 – 2,5	1.606.3000.70

Cable glands for hazardous areas

EXIOS⁺ BARRIER

Metr., NPT



ATEX^{Ex} Sira 11 ATEX 1110 X

IECEx Sir 11.0044X

EAC

INMETRO



Material Nickel plated brass

Seal Silicone, VMQ

Clamping insert PA 6

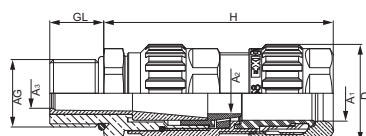
Armouring Metallic Armour or Screen

Compound Two-component epoxy compound

Protection IP 66, 67 and 68 (5 bar)

Operating Temperature -60° C – 85 C (-76° F – 185° F)

Advice:
- INOX on request



AG	Size	Armouring Ø mm			GL mm	H max. mm	mm	D mm	Armouring Ø mm			Number
		Ø A1 mm	Ø A2 mm	Ø A3 mm					Max. No. cores	Clamping ring 1	Clamping ring 2	
M 16 x1,5	20-1	6 – 12	8,2	7,9	16	68,5	22	27	8	0 – 0,7	0,7 – 1,25	1.606.1603.50
M 20 x1,5	20-1	6 – 12	8,2	7,9	16	68,5	22	27	8	0 – 0,7	0,7 – 1,25	1.606.2003.50
M 20 x1,5	20-2	9 – 16	12	8,8	16	74,3	24	29	10	0 – 0,7	0,7 – 1,25	1.606.2003.51
M 20 x1,5	20-3	12,5 – 20,5	14	11,5	16	80,5	30	35	15	0 – 0,7	0,7 – 1,4	1.606.2003.52
M 25 x1,5	20-3	12,5 – 20,5	14	11,5	16	80,5	30	35	15	0 – 0,7	0,7 – 1,4	1.606.2503.51
M 25 x1,5	25	16,9 – 26	20	16,4	16	91	36	42	25	0 – 0,7	0,9 – 1,6	1.606.2503.50
M 32 x1,5	32	22 – 32,5	26	21,4	16	96	46	52	45	0 – 0,7	1,3 – 2,0	1.606.3203.50
M 40 x1,5	40	28 – 41	33,2	27,6	16	107	55	64	70	0 – 0,7	1,3 – 2,0	1.606.4003.50
M 50 x1,5	50	36 – 52,6	44,2	37,5	16	131,5	65	73	85	0 – 1,0	1,5 – 2,5	1.606.5003.50
M 63 x1,5	63	46 – 65,3	56,2	47,3	16	144,5	80	90	120	0 – 1,0	1,5 – 2,5	1.606.6303.50
M 75 x1,5	75	57 – 78	68,2	58,0	16	154	95	107	150	0 – 1,0	1,5 – 2,5	1.606.7503.50
NPT 3/8"	20-1	6 – 12	8,2	7,9	16	64	22	27	8	0 – 0,7	0,7 – 1,25	1.606.3803.70
NPT 1/2"	20-2	9 – 12	12	8,8	20	68	24	29	10	0 – 0,7	0,7 – 1,25	1.606.1203.70
NPT 1/2"	20-3	12,5 – 20,5	14	11,5	20	73	30	35	15	0 – 0,7	0,7 – 1,4	1.606.1203.71
NPT 3/4"	25	16,9 – 26	20	16,4	20,5	81,3	36	42	25	0 – 0,7	0,9 – 1,6	1.606.3403.70
NPT 1"	32	22 – 32,5	26	21,4	25	85,5	46	52	45	0 – 0,7	1,3 – 2,0	1.606.1003.70
NPT 1 1/4"	40	28 – 41	33,2	27,6	26	94,4	55	64	70	0 – 0,7	1,3 – 2,0	1.606.5403.70
NPT 1 1/2"	40	28 – 41	33,2	27,6	26,5	94,4	55	64	70	0 – 0,7	1,3 – 2,0	1.606.6403.70
NPT 2"	50	36 – 52,6	44,2	37,5	27	116,3	65	73	85	0 – 1,0	1,5 – 2,5	1.606.2003.70
NPT 2 1/2"	63	46 – 65,3	56,2	47,3	40	127,6	80	90	120	0 – 1,0	1,5 – 2,5	1.606.5203.70
NPT 3"	75	57 – 78	68,2	58,0	41,5	136,5	95	107	150	0 – 1,0	1,5 – 2,5	1.606.3003.70

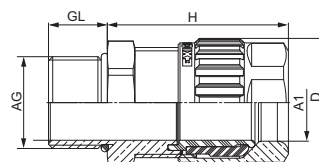
Cable glands for hazardous areas

EXIOS⁺ A2F
Metr.


Material	Brass
Seal	Silicone, VMQ
Clamping insert	PA 6
Protection	IP 66, 67 and 68 (5 bar)
Operating Temperature	-60° C – 105° C (-76° F – 221° F)



Advice:
- Stainless Steel on request



AG	Size	Ø A1 mm	GL mm	H max. mm	mm	D mm	Number	Number Nickel plated brass
M 16 x 1,5	20 – 1	6 – 12	16	36,5	22	27	1.608.1600.50	1.608.1603.50
M 20 x 1,5	20 – 1	6 – 12	16	36,5	22	27	1.608.2000.50	1.608.2003.50
M 20 x 1,5	20 – 2	9 – 16	16	41	24	29	1.608.2000.51	1.608.2003.51
M 25 x 1,5	20 – 3	12,5 – 20,5	16	48	30	35	1.608.2500.50	1.608.2503.50
M 32 x 1,5	25	16,9 – 26	16	48,5	36	42	1.608.3200.50	1.608.3203.50
M 40 x 1,5	32	22 – 33	16	54	46	52	1.608.4000.50	1.608.4003.50
M 50 x 1,5	40	28 – 41	16	60	55	64	1.608.5000.50	1.608.5003.50
M 63 x 1,5	50	40 – 52,6	16	67	65	73	1.608.6300.50	1.608.6303.50
M 75 x 1,5	63	51 – 65,3	16	72	80	90	1.608.7500.50	1.608.7503.50
NPT 3/8"	20 – 1	6 – 12	16	35,6	22	27	1.608.3800.70	1.608.3803.70
NPT 1/2"	20 – 1	6 – 12	20	35,6	22/24	27	1.608.1200.70	1.608.1203.70
NPT 1/2"	20 – 2	9 – 16	20	39,7	24	29	1.608.1200.71	1.608.1203.71
NPT 3/4"	20 – 3	12,5 – 20,5	20,5	47,5	30	35	1.608.3400.70	1.608.3403.70
NPT 1"	25	16,9 – 26	25	47,8	36	42	1.608.1000.70	1.608.1003.70
NPT 1 1/4"	32	22 – 33	26	51,1	46	52	1.608.5400.70	1.608.5403.70
NPT 1 1/2"	40	28 – 41	26,5	56,8	55	64	1.608.6400.70	1.608.6403.70
NPT 2"	50	40 – 52,6	27	65,4	65	73	1.608.2000.70	1.608.2003.70
NPT 2 1/2"	63	51 – 61	40	70,3	80	90	1.608.5200.70	1.608.5203.70
NPT 3"	75	62 – 78	41,5	76,2	95	107	1.608.3000.70	1.608.3003.70

Cable glands for hazardous areas

Red Fibre Washer

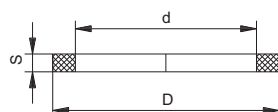
Metr., NPT



GFK thread seal

Material Fiber reinforced Nylon

Operating Temperature -60 °C – 105 °C



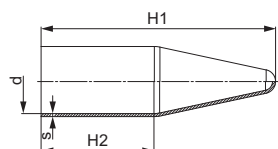
Fits the following sizes	D	d	S	Number
M 16	24	16,1	1,5	1.326.1600.50
M 20	28,5	20,5	1,5	1.326.2000.50
M 25	36,5	25,5	1,6	1.326.2500.50
M 32	42,5	32,5	1,6	1.326.3200.50
M 40	51,5	40	1,5	1.326.4000.50
M 50	61,5	51	1,6	1.326.5000.50
M 63	76	63,5	1,6	1.326.6300.50
M 75	87,5	75,5	1,8	1.326.7500.50

Fits the following sizes	D	d	S	Number
3/8"	25,5	17,5	1,5	1.326.3800.70
1/2"	30	22	1,5	1.326.1200.70
3/4"	33,5	26,5	1,5	1.326.3400.70
1"	42,5	34	1,6	1.326.1000.70
1 1/4"	52	42,5	1,6	1.326.5400.70
1 1/2"	58,7	50	1,5	1.326.6400.70
2"	69,5	60,8	1,6	1.326.2000.70
2 1/2"	83	73,8	1,5	1.326.5200.70
3"	114,5	91,5	1,8	1.326.3000.70

PVC Shroud



Material PVC

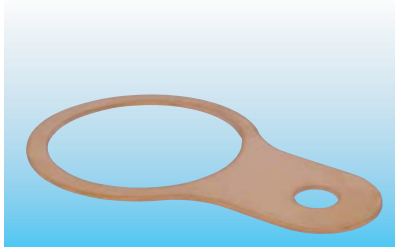


Fits the following sizes	H1 mm	H2 mm	D mm	Number
20-1	115	60	26	1.802.2000.50
20-2	125	70	28	1.802.2000.51
20-3	130	65	34	1.802.2000.52
25	160	90	42	1.802.2500.50
32	165	95	51	1.802.3200.50
40	200	110	63	1.802.4000.50
50	210	115	72	1.802.5000.50
63	245	140	88	1.802.6300.50
75	245	140	108	1.802.7500.50

Cable glands for hazardous areas

Earthtag

Metr., NPT



Material

Brass

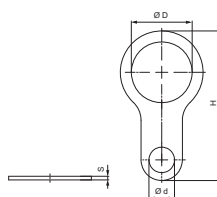




Advice

- INOX on request

- 3" on request



Size	D	d	s	H	Number
M 16	16	6,5	1,5	50,5	1.022.1600.50
M 20	21	7	1,5	54	1.022.2000.50
M 25	25,5	10,5	1,5	61,5	1.022.2500.50
M 32	33,5	12,5	1,5	77	1.022.3200.50
M 40	40,5	13,5	1,5	86,5	1.022.4000.50
M 50	51	13,5	1,5	111	1.022.5000.50
M 63	64	1,5	1,5	128,5	1.022.6300.50
M 75	75,5	13	1,5	138	1.022.7500.50

Size	D	d	s	H	Number
1/2"	21,5	7	1,6	53,5	1.022.1200.70
3/4"	27	10,5	1,6	61,5	1.022.3400.70
1"	35	12,5	1,6	73	1.022.1000.70
1 1/4"	43,5	13,5	1,6	87	1.022.5400.70
1 1/2"	51	12,5	1,6	112	1.022.6400.70
2"	61	13,5	1,6	125,5	1.022.2000.70
2 1/2"	76	13,5	1,6	138	1.022.5200.70

Serrated Washer

Metr., NPT

Material

INOX

Advice

- 3" on request

Size	D	d	s	Number
M 16	26,5	17	1,5	1.329.1600.50
M 20	33,5	21,5	1,5	1.329.2000.50
M 25	39	26	1,5	1.329.2500.50
M 32	48	30,5	1,5	1.329.3200.50
M 40	59,5	40,5	1,5	1.329.4000.50
M 50	71	51,5	1,5	1.329.5000.50
M 63	87	64	1,5	1.329.6300.50
M 75	102,5	76,5	1,5	1.329.7500.50

Size	D	d	s	Number
3/8"	30	19,5	1,5	1.329.3800.70
1/2"	39	23,5	1,5	1.329.1200.70
3/4"	42	29,5	1,5	1.329.3400.70
1"	49,5	35	1,5	1.329.1000.70
1 1/4"	59,5	44	1,5	1.329.5400.70
1 1/2"	71	51,5	1,5	1.329.6400.70
2"	86,6	61,5	1,5	1.329.2000.70
2 1/2"	102,5	76,5	1,5	1.329.5200.70