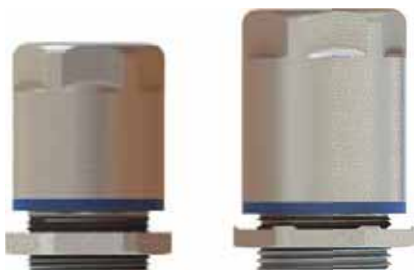


Stainless Steel HYGIENIC GLANDS for Industrial Application



Hygienic Glands
Hygienic Glands, EMC

116 - 117
118 - 119

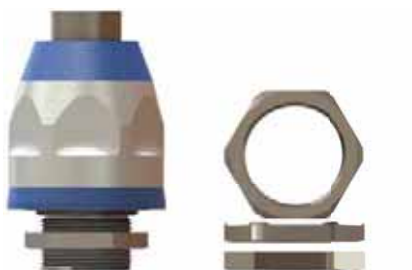


Stainless Steel Liquidtight HYGIENIC CONDUIT FITTINGS for Industrial Application



Hygienic Fittings
Further Accessories
Applications

120 - 121
122
123



Hygienic Glands Stainless Steel

MOS




Cable glands for hygienic requirements

- For applications in manufacturing and packaging of food and pharmaceuticals, clean room technology, biotechnology, chemical industry.
- Smooth finish prevents harmful micro organisms to adhere on the surface.
- No threads are exposed.
- Gasket material according to FDA guideline 21 CFR 177.2600.
- Cleaning of cable glands is easier, faster and less expensive.
- Reliable strain relief due to strain relief element separated from grommet.
- Suitable for high pressure steam cleaning.
- Lock nut included.
- Assembling tool included.

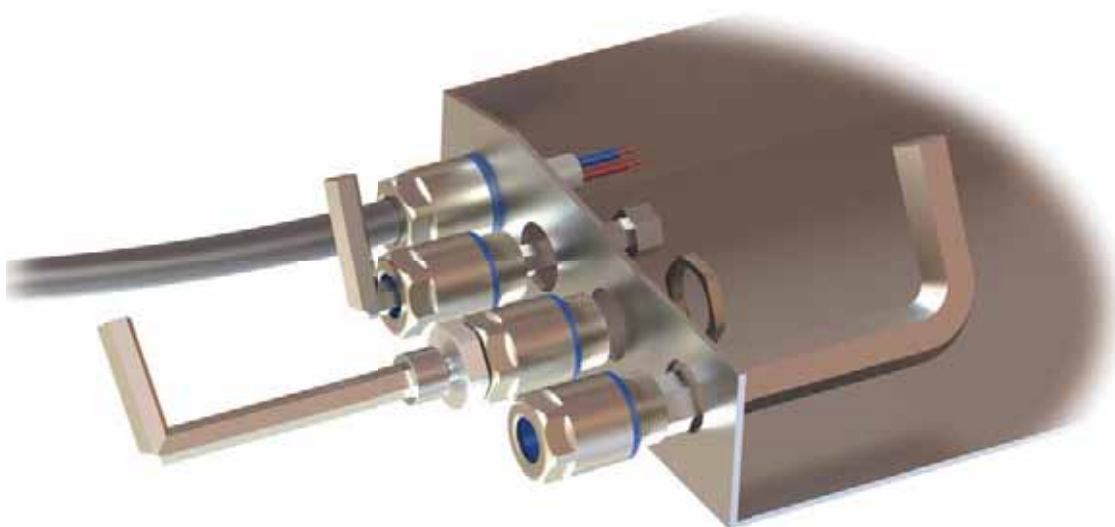
Technical Details

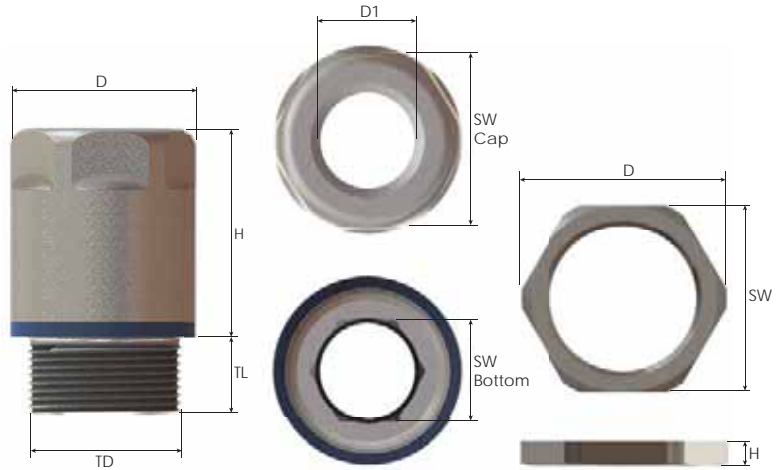
Material	Body	Stainless steel 1.4305 (AISI 303)	
	Cap	Stainless steel 1.4305 (AISI 303)	
	Clamp. Insert	POM	
	Gasket	TPE	
	Lock Nut	Stainless steel 1.4305 (AISI 303)	
Protection Class	IP 68 - 5 Bar, 30 min		
	IP 69		
Operating Temperature	Permanent	-20 °C to +100 °C	
	Intermittent	-40 °C to +150 °C	
Cable Type	Non armoured		
Thread Type	• Metric EN 60423		
	• Other thread types also available upon request.		
Accessories	• Lock nuts (included)		
	• Dome plugs		
	• Assembling tools		
Remarks	• Manufactured according to DIN EN 62444/50262.		
	• We recommend the use of lock nuts to ensure IP rating for rough surfaces or through holes.		
	• Some approvals do not cover all sizes.		
Note: Applications of most cable glands don't require same parameters applied to tests. For applications strictly acc. to the approval definitions please consult data sheet.			

Approvals

	Certificate Number	Standards
	40040032	acc. to DIN EN 62444
	E199260	acc. to UL514
	485TUM2016 No.15/2015	acc. to EHEDG-Doc. 2, 3rd edition, 2004,

Some approvals do not cover all sizes. For more approvals: see our webpage.





Hygienic Glands Stainless Steel

Thread Type **METRIC** acc. to EN 60423

Size	Clamping Range Ø min-max mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer Ø D mm	Inner Ø D1 mm	max. Height H mm	Lock Nut			Part Number	Packing Unit
				SW Cap mm	SW Bottom mm				SW mm	D mm	H mm		
M12x1,5	3,0 - 6,5	6,0	12,0	14	7	15,6	6,8	21,5	15	16,6	2,8	BMFGX-0S	o.r.
M16x1,5	5,0 - 10,0	7,0	16,0	18	10	20,2	10,3	23,0	19	21,0	3,0	BMFGX-01S	o.r.
M20x1,5	6,0 - 12,0	10,0	20,0	22	13	24,1	12,3	27,0	24	26,5	3,5	BMFGX-02S	o.r.
M25x1,5	12,0 - 17,0	14,0	25,0	28	17	30,1	17,3	29,5	30	33,0	4,0	BMFGX-03S	o.r.

Hygienic Gland Tightening Tool

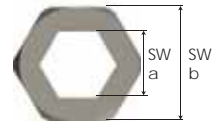
Technical Details

Material: Metal



Tightening Tool

Gland Size	Allen Screw SW a mm	Outer Spanner Width SW b mm	Tool Height h mm	Part Number	Packing Unit
M12	5,0	7,0	5,0	BMFGT-01	o.r.
M16	6,0	10,0	5,0	BMFGT-02	o.r.
M20	8,0	13,0	8,0	BMFGT-03	o.r.
M25	10,0	17,0	8,0	BMFGT-04	o.r.



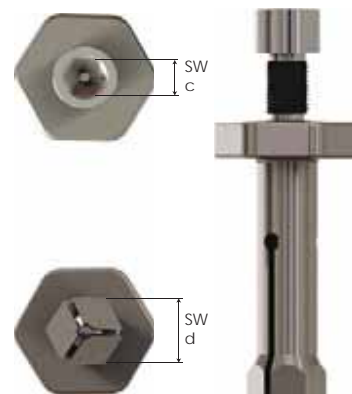
Hygienic Gland Special Tool

Technical Details

Material: Metal

Special Tool

Gland Size	Allen Screw SW c mm	Outer Spanner Width SW d min - max mm	Part Number	Packing Unit
M16	6,0	9,0 - 10,0	BMFGST-02	o.r.
M20	8,0	11,0 - 13,0	BMFGST-03	o.r.
M25	8,0	15,0 - 17,0	BMFGST-04	o.r.



Hygienic Glands, EMC Stainless Steel

MOS


EMC cable glands for hygienic requirements

- For EMC applications in manufacturing and packaging of food and pharmaceuticals, clean room technology, biotechnology, chemical industry.
- Long-lasting contact by high definition contact spring.
- Moving spring contact offers reduced risk of sheath damage.
- Smooth finish prevents harmful micro organisms to adhere on the surface.
- No threads are exposed.
- Gasket material according to FDA guideline 21 CFR 177.2600.
- Cleaning of cable glands is easier, faster and less expensive.
- Reliable strain relief due to strain relief element separated from grommet.
- Suitable for high pressure steam cleaning.
- EMC lock nut included.
- Assembling tool included.

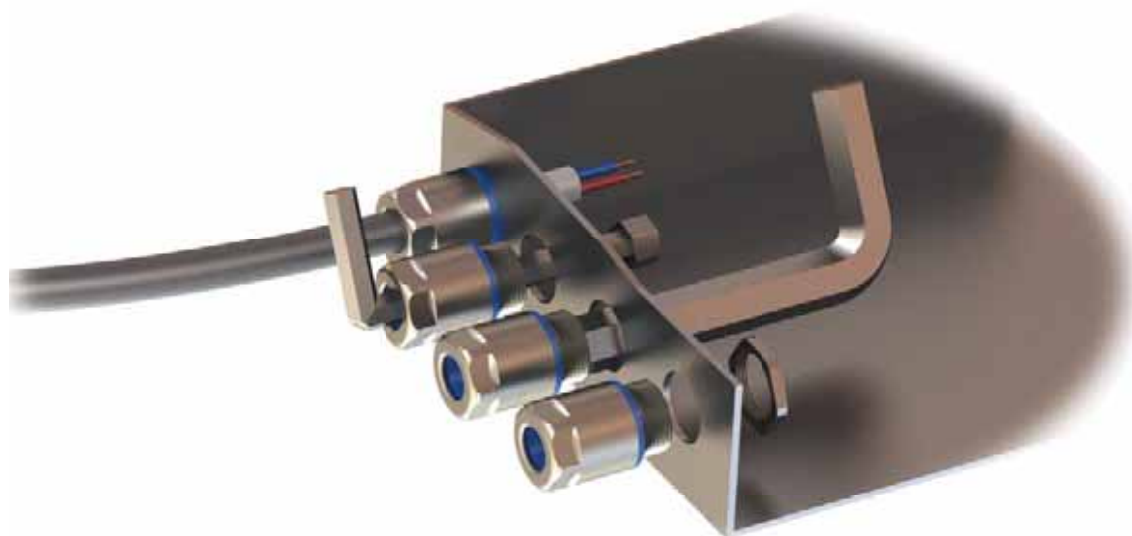
Technical Details

Material	Body	Stainless steel 1.4305 (AISI 303)	
	Cap	Stainless steel 1.4305 (AISI 303)	
	Clamp. Insert	POM	
	Contact Spring	Special Copper Alloy	
	Gasket	TPE	
	Lock Nut	Stainless steel 1.4305 (AISI 303)	
Protection Class	IP 68 - 5 Bar, 30 min		
	IP 69		
Operating Temperature	Permanent	-20 °C to +100 °C	Intermittent
			-40 °C to +150 °C
Cable Type	Non armoured, Shielded		
Thread Type	<ul style="list-style-type: none"> • Metric EN 60423 • Other thread types also available upon request. 		
Accessories	<ul style="list-style-type: none"> • Lock nuts (included) • Dome plugs • Assembling tools 		
Remarks	<ul style="list-style-type: none"> • Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. <p>Note: Applications of most cable glands don't require same parameters applied to tests. For applications strictly acc. to the approval definitions please consult data sheet.</p> <p>Note: When using special tool - do not damage contact springs.</p>		

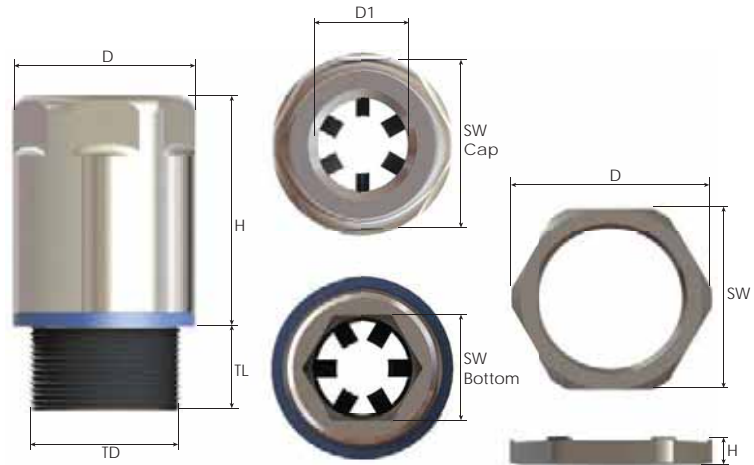
Approvals

	Certificate Number	Standards
	40040032	acc. to DIN EN 62444

Some approvals do not cover all sizes. For more approvals: see our webpage.



Hygienic Glands, EMC Stainless Steel



Thread Type **METRIC** acc. to EN 60423

Size	Clamping Range Ø min-max mm	Shield Diameter Ø min-max mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer Ø D mm	Inner Ø D1 mm	max. Height H mm	Lock Nut			Part Number	Packing Unit
					SW Cap mm	SW Bottom mm				SW mm	D mm	H mm		
M16x1,5	5,0 - 10,0	4	7	16	18	10	20,2	10,3	28,5	19	21,0	3,0	BMEFGX-01	o.r.
M20x1,5	6,0 - 12,0	5	10	20	22	13	24,1	12,3	33,0	24	26,5	3,5	BMEFGX-02	o.r.
M25x1,5	12,0 - 17,0	10	14	25	28	17	30,1	17,3	38,0	30	33,0	4,0	BMEFGX-03	o.r.

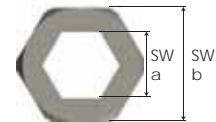
Hygienic Gland Tightening Tool

Technical Details

Material: Metal

Tightening Tool

Gland Size	Allen Screw SW a mm	Outer Spanner Width SW b mm	Tool Height h mm	Part Number	Packing Unit
M16	6,0	10,0	5,0	BMFGT-02	o.r.
M20	8,0	13,0	8,0	BMFGT-03	o.r.
M25	10,0	17,0	8,0	BMFGT-04	o.r.



Hygienic Conduit Fittings Stainless Steel

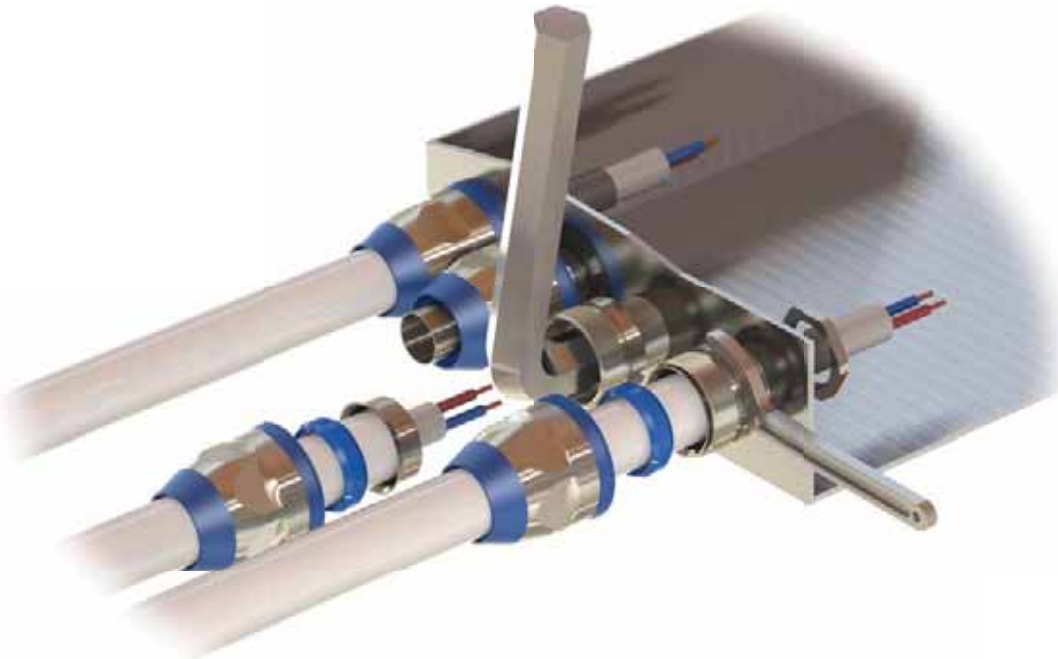
MOS

Stainless steel Hygienic Conduit Fittings

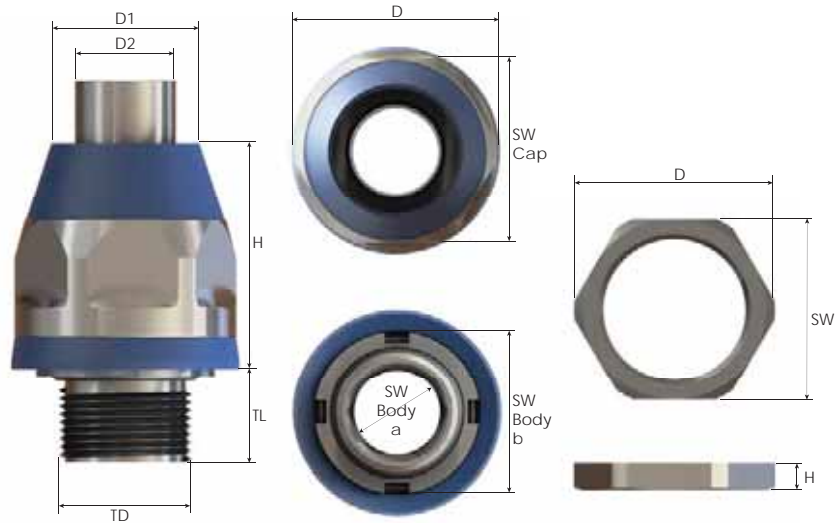
- Stainless steel Hygienic Conduit Fittings are used in all areas where cleanliness is a necessity. Avoiding build-up of dirt is most important in the following industries:
 - Manufacturing and packaging of food and pharmaceuticals
 - Clean room technology
 - Biotechnology
 - Chemical industry
- Due to the special design of our Hygienic Conduit Fittings they provide the following benefits:
 - smooth finish prevents harmful micro organisms to adhere to the surface no threads are exposed
 - cleaning of fittings is easier, faster and less expensive compared to traditional stainless steel cable glands
 - upper protective cap avoids dirt to enter the system
 - suitable for high pressure steam cleaning

Technical Details

Material	Body	Stainless steel 1.4404 (AISI 316L)	
	Cap	Stainless steel 1.4404 (AISI 316L)	
	Gasket	TPE, according to FDA guideline 21 CFR 177.2600	
	Pressure Ring	Polyamide 6	
	O-Oring	NBR	
	Ferrule	Brass, Nickel plated	
Protection Class	IP 68 (5 bar, 30 min), according to EN 60 529 IP 69K, according to DIN 40050-9		
Operating Temperature	Permanent	-20 °C to +100 °C	
	Intermittent	-40 °C to +150 °C	
Thread Type	Metric, according to EN 60423 PG and NPT upon request		
Accessories	• Lock nuts		
Remarks	<ul style="list-style-type: none"> • Smooth finish prevents harmful micro organisms to adhere to the surface • No threads are exposed • Cleaning of fittings is easier, faster and less expensive compared to traditional stainless steel cable glands • Suitable for high pressure steam cleaning • Manufacturing and packaging of food and pharmaceuticals • Clean room technology, Biotechnology, Chemical industry 		



Hygienic Conduit Fittings Stainless Steel



Thread Type **METRIC** acc. to EN 60423

Size	Conduit Size	Thread Length TL mm	Thread Ø TD mm	SW Cap mm	Spanner Width		Conduit Outer Ø D1 mm	Conduit Inner Ø D2 mm	Outer Ø D mm	max. Height H mm	Lock Nut			Part Number	Packing Unit
					SW Body a mm	SW Body b Ø mm					SW mm	D mm	H mm		
M16x1,5	3/8"	11,5	16,0	27	11,0	24,0	17,2	12,0	31,1	36,8	19	21,0	3,0	BMHFX-01	o.r.
M20x1,5	1/2"	13,0	20,0	30	14,0	27,0	20,5	15,0	34,0	37,3	24	26,5	3,5	BMHFX-02	o.r.
M25x1,5	3/4"	15,0	25,0	36	19,0	33,0	25,8	20,0	41,0	42,4	30	33,0	4,0	BMHFX-03	o.r.
M32x1,5	1"	15,0	32,0	46	25,0	42,0	32,4	25,7	52,7	51,3	36	39,5	5,0	BMHFX-04	o.r.
M40x1,5	1 1/4"	16,0	40,0	54	32,0	50,0	41,2	34,2	62,0	58,9	46	51,0	5,0	BMHFX-05	o.r.
M50x1,5	1 1/2"	18,0	50,0	63	36,0	58,0	46,9	39,2	70,0	63,3	60	66,0	5,0	BMHFX-06	o.r.
M63x1,5	2"	20,0	63,0	77	48,0	72,0	59,0	50,0	84,6	68,6	70	77,0	6,0	BMHFX-07	o.r.

Hygienic Fitting Tightening Tool

Technical Details

Material: Metal

Tightening Tool

Fitting Size	Allen Screw SW a mm	Spanner Ø SW b mm
M16	11,0	24,0
M20	14,0	27,0
M25	19,0	33,0
M32	25,0	42,0
M40	32,0	50,0
M50	36,0	58,0
M63	48,0	72,0



Further Accessories for Hygienic Glands & Fittings

MOS

Lock Nuts

Stainless Steel Lock Nuts



68

Stainless Steel EMC Lock Nuts



69

Food , Beverage and Pharmaceuticals Processing Machinery



Packaging for food, Beverage and Pharmaceuticals



Stainless Steel Control Cabinets and Monitoring Systems



Stainless Steel Control Enclosures for Food and Pharmaceuticals

