

FITTINGS

Appleton's ATX product line includes a wide selection of both Increased Safety and Flameproof cable glands for use with unarmored and armored cable.

Appleton's ATX cable glands are available in a wide range of materials from polyamide, nickel-plated brass and stainless steel to withstand any environment. Appleton's ATX cable glands are available with metric or NPT threads. Cable glands are certified for increased safety, flameproof, restricted breathing and dust applications.



Fittings

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Ex e Cable Glands



A2F Cable Glands



A2FRC Cable Glands



T3 Cable Glands



PXSS2K Cable Glands



PX2K Cable Glands



PX2KX Cable Connector



PX2K Cable Glands



Blanking Plugs



Stopper Plugs



Adaptors and Reducers



DB Unions



DB Elbows



DB Flexible Couplings



DB Fire Retardant Seal



DB Drain and Breather Valves

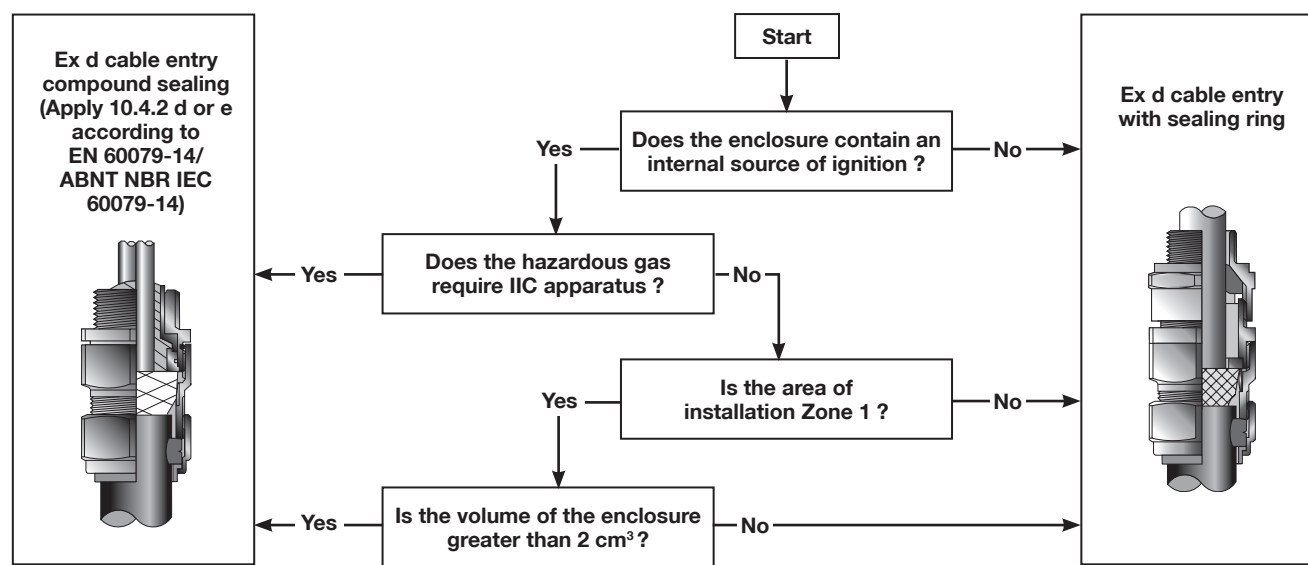
Cable Gland Selection Guide

Selection Chart — Certifications

Type		Series	Material	Non-Armored Cables	Armored Cables		
					Wire	Braid	Tape
Neoprene Seal	"e" or "i"	Ex e	Polyamide	Yes			
Elastomer Seal	"d" and "e"	A2F	Brass, fully nickel plated / Stainless Steel	Yes			
		E1FX	Brass, fully nickel plated			Yes	Yes
		E1FW	Brass, fully nickel plated		Yes		
		E1FU	Brass, fully nickel plated		Yes	Yes	Yes
		T3	Brass, fully nickel plated		Yes	Yes	Yes
		TE1FU	Stainless Steel		Yes	Yes	Yes
Compound Seal	"d" and "e"	PX (PXSS2K)	Brass, fully nickel plated	Yes			
		PX2K	Brass, fully nickel plated		Yes	Yes	Yes
Liquid resin	"d" and "e"	PXSS2K-REX	Brass, fully nickel plated	Yes			
		PX2K-REX	Brass, fully nickel plated		Yes	Yes	Yes

Selection Guide

Selection of cable entry for Ex d flameproof enclosure according to electrical installations IEC 60079-14/ABNT NBR IEC 60079-14.



Note: Cable must be substantially compact and circular with an extruding bedding, and if any filters are used they are Non-Hygroscopic.

Ex e Series Polyamide Cable Glands

For Unarmored Cables

Increased Safety and Restricted Breathing or Weatherproof IP68

Zone 1 and 2, Zone 21 and 22
Gas (G) and Dust (D)

Applications

- Ex e Certified
 - For non-armored cables certified for enclosures with the following protection modes:
 - Ex e Increased safety
 - Ex nR Restricted breathing
 - D Dust environment
 - Hazardous areas (gas and dust)
 - On-shore and off-shore
- Weatherproof IP68 or Ex i
 - For non-armored cables for intrinsic safety Ex i applications in hazardous areas (Gas and Dust).

Features

- Ex e Certified
 - Black polyamide body
 - Weatherproof elastomer gasket
 - Supplied with sealing gasket
- Weatherproof IP68 or Ex i
 - Blue polyamide body Ral 5012
 - Supplied with polyamide clamping ring
 - Weatherproof elastomer gasket
 - Supplied with sealing gasket

Materials

- Ex e Certified
 - Body: polyamide
 - Weatherproof gasket: thermoplastic elastomer
 - Entry thread seal: neoprene
- Weatherproof IP68 or Ex i
 - Body: polyamide
 - Weatherproof gasket: thermoplastic elastomer
 - Entry thread seal: neoprene

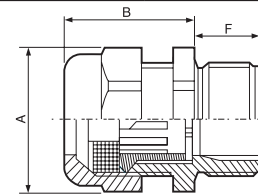


Ex e Certified



Weatherproof IP68

Dimensions in Millimeters



Certifications

ATEX Certification

- **Certification Type EEx e**
 - Gas, Zones 1 et 2
 - Type of Protection: Ex eb IIC
 - Dust, Zones 21 and 22
 - Type of Protection: Ex tb IIIC
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 GD
 - Ambient Temperature: -20 °C to +55 °C
 - CE Declaration of Conformity: 50233
 - ATEX Certificate: LCIE 99 ATEX 6030X
 - Index of Protection according EN/IEC 60529: IP66 (Ex e version), IP68 (Weatherproof)

INMETRO Certification

- INMETRO Certificate: BR 230662-X

Metric Thread	Thread Pitch mm	Cable Capacity mm		Across Flats mm A	Gland Length mm B	Thread Length mm F	Weight kg	Volume dm³	Catalog Number ①	Pack
		Min.	Max.							
Ex e Certified										
M16	1.5	3.0	8.5	19.0	24.0	15.0	0.015	0.160	095756	10
M20	1.5	6.5	14.5	27.0	30.0	15.0	0.021	0.160	095605	10
M25	1.5	8.0	18.5	33.0	33.0	15.0	0.032	0.160	095606	10
M32	1.5	10.0	25.0	42.0	43.0	15.0	0.061	0.440	095757	10
M40	1.5	24.0	34.0	55.0	47.0	15.0	0.072	0.072	095758	1
M50	1.5	28.0	42.0	65.0	49.0	15.0	0.124	0.072	095759	1
Weatherproof IP68										
M16	1.5	2.5	8.0	19.0	27.0	15.0	0.013	0.160	095800	10
M20	1.5	5.0	12.0	24.0	30.0	15.0	0.017	0.160	095801	10
M25	1.5	7.0	14.0	27.0	35.0	15.0	0.020	0.160	095802	10
M32	1.5	14.0	25.0	42.0	42.0	15.0	0.051	0.440	095803	10
M40	1.5	18.0	32.0	53.0	52.0	15.0	0.072	0.072	095804	1
M50	1.5	24.0	38.5	60.0	55.0	15.0	0.100	0.072	095805	1

① For Locknut, see Cable Gland Accessories section.

Shaded catalog numbers are normally stocked items. All other items are made to order.

A2F Series Nickel Plated Brass Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable glands for unarmored cable certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust)
- Onshore and offshore.

Features

- Elastomer displacement seal for unarmored cable provides a combined flameproof and weatherproof seal on the outer sheath of the cable.

Standard Materials

- Body: nickel plated brass.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- 316L stainless steel version: replace last digit 5 with 4
- Aluminum: replace last digit 5 with 1
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages

ATEX/IECEx Certifications and Compliances

- Certification Type A2F**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: Ⓔ II 2G 3G 1D
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1068X, Sira 13ATEX4074X
 - IECEx Certificate: IECEx SIR 13.0023X, IECEx SIM 14.0006
 - Other Certifications: CSA, KCC, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Catalog Numbers				
		Standard Metric ②	Standard NPT Thread C	Standard NPT ②	Optional NPT Thread C	Optional NPT Thread ②
20S/16	M20	2016A2F5	1/2	2016A2F0505	3/4	2016A2F0755
20S	M20	20SA2F5	1/2	20SA2F0505	3/4	20SA2F0755
20	M20	20A2F5	1/2	20A2F0505	3/4	20A2F0755
25	M25	25A2F5	3/4	25A2F0755	1	25A2F1005
32	M32	32A2F5	1	32A2F1005	1-1/4	32A2F1255
40	M40	40A2F5	1-1/4	40A2F1255	1-1/2	40A2F1505
50S	M50	50SA2F5	1-1/2	50SA2F1505	2	50SA2F2005
50	M50	50A2F5	2	50A2F2005	2-1/2	50A2F2505
63S	M63	63SA2F5	2	63SA2F2005	2-1/2	63SA2F2505
63	M63	63A2F5	2-1/2	63A2F2505	3	63A2F3005
75S	M75	75SA2F5	2-1/2	75SA2F2505	3	75SA2F3005
75	M75	75A2F5	3	75A2F3005	3-1/2	75A2F3505
90	M90	90A2F5	3	90A2F3005	4	90A2F3505
100	M100	100A2F5	4	100A2F4005	5	100A2F5005
115	M115	115A2F5	4	115A2F4005	5	115A2F5005
130	M130	130A2F5	5	130A2F5005	6	130A2F6005

② Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

Shaded catalog numbers are normally stocked items. All other items are made to order.

A2F Series Nickel Plated Brass Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

INMETRO Certification

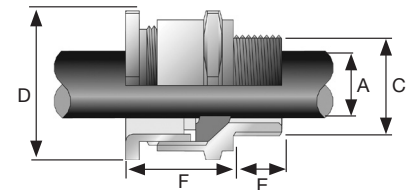
- INMETRO Certificate: TÜV 12.0619X

EURASEC Certification

- TC RU C-GB.75.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Minimum Thread Length mm E	Overall Cable Diameter mm A		Across Flats mm D	Across Corners mm D	Nominal Protrusion Length mm F	PVC Shroud Reference	Cable Gland Weight kg
		Min	Max					
20S/16	15.0	3.2	8.7	22.0	24.2	21.08	PVC04	0.05
20S	15.0	6.1	11.7	22.0	24.2	21.08	PVC04	0.05
20	15.0	6.5	14.0	27.0	29.7	23.88	PVC05	0.06
25	15.0	11.1	20.0	36.0	39.6	25.91	PVC09	0.11
32	15.0	17.0	26.3	41.0	45.1	26.92	PVC10	0.13
40	15.0	23.5	32.2	46.0	50.6	27.94	PVC13	0.17
50S	15.0	31.0	38.2	55.0	60.5	28.96	PVC14	0.22
50	15.0	35.6	44.1	60.0	66.0	29.97	PVC17	0.23
63S	15.0	41.5	50.0	65.0	71.5	29.97	PVC20	0.36
63	15.0	47.2	56.0	70.0	77.0	29.97	PVC22	0.35
75S	15.0	54.0	62.0	80.0	88.7	32.0	PVC24	0.47
75	15.0	61.1	68.0	84.0	92.4	32.0	PVC26	0.40
90	24.0	66.6	80.0	108.0	120.7	43.94	PVC31	1.35
100	24.0	76.0	91.0	114.3	128.6	48.01	LSF32	1.58
115	24.0	86.0	98.0	131.6	146.1	55.12	LSF34	2.32
130	24.0	97.0	115.0	152.4	167.6	61.98	LSF35	3.40

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

E1FX Series Nickel Plated Brass Cable Gland

For Armored Cables (Braid, Tape)

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland for armored cables (braid, tape).
See Options for tape with lead sheath version.
Certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust)
- Onshore and offshore

Features

- Cable gland with elastomer seal for use in hazardous areas with braided and tape armor cable.
- The cable gland allows mechanical cable retention and earth continuity via cable armor termination.
- A detachable armor cone and AnyWay clamping ring arrangement facilitates remote make off and enables cable to be disconnected from the equipment.
- Inspection of the armor can be carried out while still maintaining the explosionproof protection mode of the enclosure.
- Sealing technique: inner displacement seal concept and LRS outer seal (load retention seal).

Standard Materials

- Body: nickel plated brass.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- Lead sheath version – Replace digit **1** with **2**;
Example: 32E1FX5 - 32E2FX5
- Aluminum: replace last digit **5** with **1**
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Catalog Numbers				
		Standard Metric ①	Standard NPT C	Standard NPT ①	Optional NPT C	Optional NPT Thread ①
20S16	M20	2016E1FX5	1/2	2016E1FX0505	3/4	2016E1FX0755
20S	M20	20SE1FX5	1/2	20SE1FX0505	3/4	20SE1FX0755
20	M20	20E1FX5	1/2	20E1FX0505	3/4	20E1FX0755
25S	M25	25SE1FX5	3/4	25SE1FX0755	1	25SE1FX1005
25	M25	25E1FX5	3/4	25E1FX0755	1	25E1FX1005
32	M32	32E1FX5	1	32E1FX1005	1-1/4	32E1FX1255
40	M40	40E1FX5	1-1/4	40E1FX1255	1-1/2	40E1FX1505
50S	M50	50SE1FX5	1-1/2	50SE1FX1505	2	50SE1FX2005
50	M50	50E1FX5	2	50E1FX2005	2-1/2	50E1FX2505
63S	M63	63SE1FX5	2	63SE1FX2005	2-1/2	63SE1FX2505
63	M63	63E1FX5	2-1/2	63E1FX2505	3	63E1FX3005
75S	M75	75SE1FX5	2-1/2	75SE1FX2505	3	75SE1FX3005
75	M75	75E1FX5	3	75E1FX3005	3-1/2	75E1FX3505
90	M90	90E1FX5	3	90E1FX3005	3-1/2	90E1FX3505
100	M100	100E1FX5	4	100E1FX4005	5	100E1FX5005
115	M115	115E1FX5	4	115E1FX4005	5	115E1FX5005
130	M130	130E1FX5	5	130E1FX5005	6	130E1FX6005

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

Shaded catalog numbers are normally stocked items. All other items are made to order.

E1FX Series Nickel Plated Brass Cable Gland

For Armored Cables (Braid, Tape)

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type E1FX/Z - E2FX/Z**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: II 2G 3G 1D
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1071X, Sira 13ATEX4077X
 - IECEx Certificate: IECEx SIR 13.0026X, IECEx SIM 14.0007X
 - Other Certifications: cCSAus, KCC, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66
 - Deluge Protection Compliance: DTS01:91 (option available on request only)

INMETRO Certification

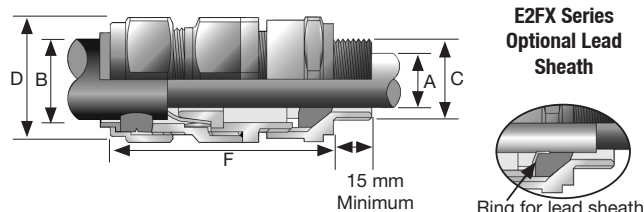
- INMETRO Certificate: TUV 12.0618X

EURASEC Certification

- TC RU C-GB.15.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Cable Bedding Diameter mm (in) A		Overall Cable Diameter mm (in) B		Across Corners mm D	Across Flats mm D	Nominal Protrusion Length mm F	PVC Shroud Reference	Cable Gland Weight kg
	Min	Max	Min	Max					
20S16	3.1	8.6	6.1	13.2	26.4	24.0	58.5	PVC04	0.16
20S	6.1	11.6	9.5	15.9	26.4	24.0	58.5	PVC04	0.16
20	6.5	13.9	12.5	20.9	33.6	30.5	60.5	PVC06	0.21
25S	11.1	19.9	14.0	22.0	41.3	37.5	67.5	PVC09	0.33
25	11.1	19.9	18.2	26.2	41.3	37.5	67.5	PVC09	0.33
32	17.0	26.2	23.7	33.9	50.6	46.0	69.5	PVC11	0.46
40	22.0	32.1	27.9	40.4	60.5	55.0	78.0	PVC15	0.67
50S	29.5	38.1	35.2	46.7	66.0	60.0	75.5	PVC18	0.76
50	35.6	44.0	40.4	53.1	77.0	70.0	80.5	PVC21	0.78
63S	40.1	49.9	45.6	59.4	82.5	75.0	91.5	PVC23	1.37
63	47.2	55.9	54.6	65.9	88.0	80.0	92.0	PVC25	1.47
75S	52.8	61.9	59.0	72.1	97.9	89.0	99.0	PVC28	2.12
75	59.1	67.9	66.7	78.5	108.9	99.0	102.0	PVC30	2.69
90	66.6	79.9	76.2	90.4	125.4	114.0	120.0	PVC32	4.28
100	76.0	90.9	86.1	101.5	135.3	123.0	148.0	LSF33	4.67
115	86.0	97.9	101.5	110.3	146.7	133.4	169.0	LSF34	7.09
130	97.0	114.9	114.2	123.3	160.7	146.1	183.0	LSF35	8.38

E1FW Series Nickel Plated Brass Cable Glands

For Armored Cables (SWA - Single Wire Armour)

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland for Single Wire Armored cables (SWA with wire and lead sheath) certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Cable gland with elastomer seal for use in hazardous areas with Single Wire Armor (SWA) cable.
- The cable gland allows mechanical cable retention and earth continuity via cable armor termination.
- A detachable armor cone and AnyWay clamping ring arrangement facilitates remote make off and enables cable to be disconnected from the equipment.
- Inspection of the armor can be carried out while still maintaining the protection mode of the enclosure.
- Sealing technique: inner displacement seal concept and LRS outer seal (load retention seal).

Standard Materials

- Body: nickel plated brass.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- Lead sheath version ③ – Replace digit E1 with E2;
Example: 32E1FW5 - 32E2FW5
- Aluminum: replace last digit 5 with 1
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Catalog Numbers					
	Metric Thread C	Standard Metric ①	Standard NPT C	Standard NPT ①	Optional NPT C	Optional NPT ①
20S16	M20	2016E1FW5	1/2	2016E1FW0505	3/4	2016E1FW0755
20S	M20	20SE1FW5	1/2	20SE1FW0505	3/4	20SE1FW0755
20	M20	20E1FW5	1/2	20E1FW0505	3/4	20E1FW0755
25S	M25	25SE1FW5	3/4	25SE1FW0755	1	25SE1FW1005
25	M25	25E1FW5	3/4	25E1FW0755	1	25E1FW1005
32	M32	32E1FW5	1	32E1FW1005	1-1/4	32E1FW1255
40	M40	40E1FW5	1-1/4	40E1FW1255	1-1/2	40E1FW1505
50S	M50	50SE1FW5	1-1/2	50SE1FW1505	2	50SE1FW2005
50	M50	50E1FW5	2	50E1FW2005	2-1/2	50E1FW2505
63S	M63	63SE1FW5	2	63SE1FW2005	2-1/2	63SE1FW2505
63	M63	63E1FW5	2-1/2	63E1FW2505	3	63E1FW3005
75S	M75	75SE1FW5	2-1/2	75SE1FW2505	3	75SE1FW3005
75	M75	75E1FW5	3	75E1FW3005	3-1/2	75E1FW3505
90	M90	90E1FW5	3	90E1FW3005	3-1/2	90E1FW3505
100	M100	100E1FW5	4	100E1FW4005	5	100E1FW5005
115	M115	115E1FW5	4	115E1FW4005	5	115E1FW5005
130	M130	130E1FW5	5	130E1FW5005	6	130E1FW6005

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

Shaded catalog numbers are normally stocked items. All other items are made to order.

E1FW Series Nickel Plated Brass Cable Glands

For Armored Cables (SWA - Single Wire Armour)

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type E1FW/Z - E2FW/Z**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: II 2G 3G 1D
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1071X, Sira 13ATEX4077X
 - IECEx Certificate: IECEx SIR 13.0026X, IECEx SIM 14.0007X
 - Other Certifications: cCSAus, KCC, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66
 - Deluge Protection Compliance: DTS01:91 (option available on request only)

INMETRO Certification

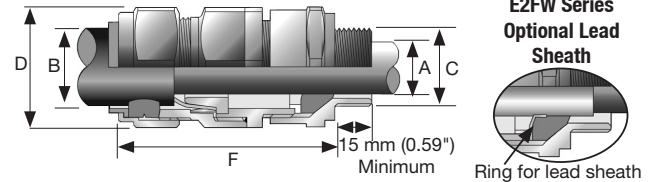
- INMETRO Certificate: TUV 12.0618X

EURASEC Certification

- TC RU C-GB.ГБ.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Cable Bedding Diameter mm A		Outer Cable Capacity mm B		Across Corners mm D	Across Flats mm D	Nominal Protrusion Length mm F	Cable Gland Weight kg
	Min	Max	Min	Max				
20S16	3.1	8.6	6.1	13.2	26.4	24.0	58.5	0.16
20S	6.1	11.6	9.5	15.9	26.4	24.0	58.5	0.16
20	6.5	13.9	12.5	20.9	33.6	30.5	60.5	0.21
25S	11.1	19.9	14.0	22.0	41.3	37.5	67.5	0.33
25	11.1	19.9	18.2	26.2	41.3	37.5	67.5	0.33
32	17.0	26.2	23.7	33.9	50.6	46.0	69.5	0.45
40	22.0	32.1	27.9	40.4	60.5	55.0	78.0	0.66
50S	29.5	38.1	35.2	46.7	66.0	60.0	75.5	0.73
50	35.6	44.0	40.4	53.1	77.0	70.0	80.5	0.75
63S	40.1	49.9	45.6	59.4	82.5	75.0	91.5	1.34
63	47.2	55.9	54.6	65.9	88.0	80.0	92.0	1.44
75S	52.8	61.9	59	72.1	97.9	89.0	99.0	2.07
75	59.1	67.9	66.7	78.5	108.9	99.0	102.0	2.62
90	66.6	79.9	76.2	90.4	125.4	114.0	120.0	4.17
100	76.0	90.9	86.1	101.5	135.3	123.0	148.0	4.52
115	86.0	97.9	101.5	110.3	146.7	133.4	169.0	6.86
130	97.0	114.9	114.2	123.3	160.7	146.1	183.0	8.12

E1FU Series Triple Certified Cable Glands

For All Types of Armored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Provides a flameproof (Type "d") seal on the cable inner bedding.
- Provides a gas tight seal permitting the compatibility of use with restricted breathing (Type "nR") equipment.
- Allows mechanical cable retention and earth continuity via the cable armor termination.
- Separate tightening actions for the inner
- The inner displacement seal and armor terminations are separate tightening actions providing maximum control over the pressure applied to the cable bedding.
- Reversible armor cone and AnyWay clamping ring arrangement facilitates remote make off and enables the cable to be disconnected from the equipment.

- Environmental/load retention seal is provided on the cable outer sheath.
- Stepped cone is suitable for SWA cables. Grooved cone is suitable for all other approved armored cables.
- Sealing technique: inner displacement seal concept and LRS outer seal (load retention seal).

Standard Materials

- Body: nickel plated brass.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- Aluminum: replace last digit **5** with **1**
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Standard Metric ①	Catalog Numbers				Minimum Thread Length mm E	Cable Gland Weight kgs
			Standard NPT Thread C	Standard NPT ①	Optional NPT Thread C	Optional NPT Thread ①		
20S/16	M20	20S16E1FU5	1/2	20S16E1FU0505	3/4	20S16E1FU0755	15.0	0.16
20S	M20	20SE1FU5	1/2	20SE1FU0505	3/4	20SE1FU0755	15.0	0.16
20	M20	20E1FU5	1/2	20E1FU0505	3/4	20E1FU0755	15.0	0.22
25S	M25	25SE1FU5	3/4	25SE1FU0755	1	25SE1FU1005	15.0	0.35
25	M25	25E1FU5	3/4	25E1FU0755	1	25E1FU1005	15.0	0.35
32	M32	32E1FU5	1	32E1FU1005	1-1/4	32E1FU1255	15.0	0.48
40	M40	40E1FU5	1-1/4	40E1FU1255	1-1/2	40E1FU1505	15.0	0.7
50S	M50	50SE1FU5	1-1/2	50SE1FU1505	2	50SE1FU2005	15.0	0.8
50	M50	50E1FU5	2	50E1FU2005	2-1/2	50E1FU2505	15.0	0.83
63S	M63	63SE1FU5	2	63SE1FU2005	2-1/2	63SE1FU2505	15.0	1.42
63	M63	63E1FU5	2-1/2	63E1FU2505	3	63E1FU3005	15.0	1.51
75S	M75	75SE1FU5	2-1/2	75SE1FU2505	3	75SE1FU3005	15.0	2.2
75	M75	75E1FU5	3	75E1FU3005	3-1/2	75E1FU3505	15.0	2.77
90	M90	90E1FU5	3-1/2	90E1FU3505	4	90E1FU4005	24.0	4.35
100	M100	100E1FU5	4	100E1FU4005	5	100E1FU5005	24.0	4.75
115	M115	115E1FU5	4	115E1FU4005	5	115E1FU5005	24.0	7.30
130	M130	130E1FU5	5	130E1FU5005	6	130E1FU6005	24.0	8.60

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

E1FU Series Triple Certified Cable Glands

For All Types of Armored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type E1FU**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: Ⓢ II 2G 3G 1D
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1071X, Sira 13ATEX4077X
 - IECEx Certificate: IECEx SIR 13.0026X, IECEx SIM 14.0007X
 - Other Certifications: cCSAus, KCC, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66
 - Deluge Protection Compliance: DTS01:91 (option available on request only)

INMETRO Certification

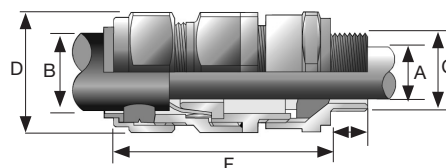
- INMETRO Certificate: TUV 12.0618X

EURASEC Certification

- TC RU C-GB.ГБ.05.В.00138



Dimensions in Millimeters



Cable Gland Size	Cable Bedding Diameter mm A		Overall Cable Diameter mm B		Across Flats mm D	Across Corners mm D	Nominal Protrusion Length mm F	PVC Shroud Reference
	Min	Max	Min	Max				
20S/16	3.1	8.6	6.1	13.2	24.0	26.4	58.5	PVC04
20S	6.1	11.6	9.5	15.9	24.0	26.4	58.5	PVC04
20	6.5	13.9	12.5	20.9	30.5	33.6	60.5	PVC06
25S	11.1	19.9	14.0	22.0	37.5	41.3	67.5	PVC09
25	11.1	19.9	18.2	26.2	37.5	41.3	67.5	PVC09
32	17.0	26.2	23.7	33.9	46.0	50.6	69.5	PVC11
40	22.0	32.1	27.9	40.4	55.0	60.5	78.0	PVC15
50S	29.5	38.1	35.2	46.7	60.0	66.0	75.5	PVC18
50	35.6	44.0	40.4	53.1	70.0	77.0	80.5	PVC21
63S	40.1	49.9	45.6	59.4	75.0	82.5	91.5	PVC23
63	47.2	55.9	54.6	65.9	80.0	88.0	92.0	PVC25
75S	52.8	61.9	59.0	72.1	89.0	97.9	99.0	PVC28
75	59.1	67.9	66.7	78.5	99.0	108.9	102.0	PVC30
90	66.6	79.9	76.2	90.4	114.0	125.4	120.0	PVC32
100	76.0	90.9	86.1	101.5	123.0	135.3	148.0	LSF33
115	86.0	97.9	101.5	110.3	133.4	146.7	169.0	LSF34
130	97.0	114.9	110.2	123.3	146.1	160.7	183.0	LSF35

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

T3 Series Nickel Plated Brass Cable Glands

For all Types of Armored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland for all types of armored cable certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC.
 - Ex e increased safety.
 - Ex nR restricted breathing.
 - Ex d flameproof.
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Cable gland with elastomer seal for use in hazardous areas with all types of armored cable.
- This product utilizes a unique Compensating Displacement Seal (CDS) system which provides full compatibility with restricted breathing equipment.
- The CDS system is designed to alleviate any pressure on soft bedded cables.
- The cable gland allows mechanical cable retention and earth continuity via armor termination.
- A reversible armor cone and AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from equipment.

- The cable gland is IP66/68 rated with deluge protection to DTS01: 91.
- Inspection of the armor can be carried out while still maintaining the protection mode of the enclosure.
- Sealing Technique : Inner Displacement Seal and LRS (load retention seal) outer seal.

Standard Materials

- Body: nickel plated brass.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- 316L stainless steel version: replace last digit **5** with **4**
- Lead sheath version: replace **T3** with **T3PB**
- Aluminum: replace last digit **5** with **1**
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Standard Metric ②	Standard NPT Thread C	Catalog Numbers			Minimum Thread Length mm E
				Standard NPT ②	Optional NPT Thread C	Optional NPT Thread ②	
20S16	M20	2016T35	1/2	2016T30505	3/4	2016T30755	15.0
20S	M20	20ST35	1/2	20ST30505	3/4	20ST30755	15.0
20	M20	20T35	1/2	20T30505	3/4	20T30755	15.0
25S	M25	25ST35	3/4	25ST30755	1	25ST31005	15.0
25	M25	25T35	3/4	25T30755	1	25T31005	15.0
32	M32	32T35	1	32T31005	1-1/4	32T31255	15.0
40	M40	40T35	1-1/4	40T31255	1-1/2	40T31505	15.0
50S	M50	50ST35	1-1/2	50ST31505	2	50ST32005	15.0
50	M50	50T35	2	50T32005	2-1/2	50T32505	15.0
63S	M63	63ST35	2	63ST32005	2-1/2	63ST32505	15.0
63	M63	63T35	2-1/2	63T32505	3	63T33005	15.0
75S	M75	75ST35	2-1/2	75ST32505	3	75ST33005	15.0
75	M75	75T35	3	75T33005	3-1/2	75T33505	24.0
90	M90	90T35	3	90T33005	4	90T33505	24.0
100	M100	100T35	4	100T34005	5	100T35005	24.0
115	M115	115T35	4	115T34005	5	115T35005	24.0
130	M130	130T35	5	130T35005	6	130T36005	24.0

② Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

Shaded catalog numbers are normally stocked items. All other items are made to order.

T3 Series Nickel Plated Brass Cable Glands

For all Types of Armored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type T3CDS**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: ⚙ II 2G 3G 1D
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1073X, Sira 13ATEX4079X
 - IECEx Certificate: IECEx SIR 13.0028X, IECEx SIM 14.0007X
 - Other Certifications: cCSAus, UL, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91

INMETRO Certification

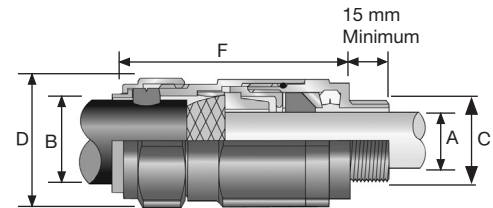
- INMETRO Certificate: TÜV 11.0374X

EURASEC Certification

- TC RU C-GB.ГБ.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Cable Bedding Diameter mm A		Overall Cable Diameter mm B		Across Corners mm D	Across Flats mm D	Nominal Protrusion Length mm F	Cable Gland Weight kg
	Min	Max	Min	Max				
20S16	3.1	8.6	6.1	13.1	26.4	24.0	78.7	0.20
20S	6.1	11.6	9.5	15.9	26.4	24.0	78.7	0.20
20	6.5	13.9	12.5	20.9	33.6	30.5	76.2	0.28
25S	11.1	19.9	14.0	22.0	41.3	37.5	88.8	0.44
25	11.1	19.9	18.2	26.2	41.3	37.5	88.7	0.44
32	17.0	26.3	23.7	33.9	50.6	46.0	90.7	0.63
40	22.0	32.1	27.9	40.4	60.5	55.0	93.2	0.91
50S	29.5	38.1	35.2	46.7	66.0	60.0	100.7	1.12
50	35.6	44.0	40.4	53.0	77.0	70.0	105.8	1.60
63S	40.1	49.9	45.6	59.4	82.5	75.0	102.5	1.73
63	47.2	55.9	54.6	65.8	88.0	80.0	105.4	1.78
75S	52.8	61.9	59.0	72.0	99.0	90.0	110.6	2.57
75	59.1	67.9	66.7	78.5	110.0	100.0	120.3	3.33
90	66.6	78.6	76.2	90.3	126.5	115.0	138.9	4.87
100	76.6	90.9	86.1	101.4	139.7	127.0	128.2	4.97
115	86.0	97.9	101.5	110.2	151.8	138.0	161.3	7.72
130	97.0	114.9	110.2	123.2	172.7	157.0	173.3	9.78

PX (PXSS2K) Series Compound Barrier Type Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland for all types of armored cable certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC (as per §10.4.2 of IEC 60079-14)
 - Ex e increased safety.
 - Ex nR restricted breathing.
 - Ex d flameproof.
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Connector provides an environmental seal on the cable jacket and an explosionproof compound barrier seal around the cable inner cores.
- The connector is UL Listed for NPT or Metric entry threads.
- Continuous operating temperature -60 °C to +85 °C.
- Sealing technique: displacement seal concept.
- Sealing area(s): inner compound barrier and outer sheath.

Standard Materials

- Connector: brass fully nickel plated.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.
- Epoxy putty.

Options

- Aluminum: replace last digit suffix **5** with **1**
- 316L stainless steel: replace last digit suffix **5** with **4**
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Catalog Numbers						Minimum Thread Length mm E	Maximum Number of Cores
	Metric Thread C	Standard Metric ③	Standard NPT Thread C	Standard NPT ③	Optional NPT Thread C	Optional NPT Thread ③		
20S16	M20	20S16PX5	1/2	20S16PX0505	3/4	20S16PX0755	15.0	11
20S	M20	20SPX5	1/2	20SPX0505	3/4	20SPX0755	15.0	11
20	M20	20PX5	1/2	20PX0505	3/4	20PX0755	15.0	11
25	M25	25PX5	3/4	25PX0755	1	25PX1005	15.0	21
32	M32	32PX5	1	32PX1005	1-1/4	32PX1255	15.0	38
40	M40	40PX5	1-1/4	40PX1255	1-1/2	40PX1505	15.0	59
50S	M50	50SPX5	1-1/2	50SPX1505	2	50SPX2005	15.0	89
50	M50	50PX5	2	50PX2005	2-1/2	50PX2505	15.0	89
63S	M63	63SPX5	2	63SPX2005	2-1/2	63SPX2505	15.0	115
63	M63	63PX5	2-1/2	63PX2505	3	63PX3005	15.0	115
75S	M75	75SPX5	2-1/2	75SPX2505	3	75SPX3005	15.0	140
75	M75	75PX5	3	75PX3005	3-1/2	75PX3505	15.0	140
90	M90	90PX5	3	90PX3505	4	90PX4005	20.0	200
100	M100	100PX5	4	100PX4005	5	100PX5005	20.0	200

① Extra hard usage cable cord only

② Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.

③ Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

Shaded catalog numbers are normally stocked items. All other items are made to order.

PX (PXSS2K) Series Compound Barrier Type Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

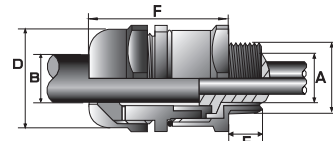
Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type PXSS2K**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: Ⓔ II 2G 3G 1D
 - Ambient Temperature: -60 °C to +85 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX10712X, Sira 13ATEX4078X
 - IECEx Certificate: IECEx SIR 13.0027X, IECEx SIM 14.0008X
 - Other Certifications: cCSAus, UL, KCC, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91



Dimensions in Millimeters



INMETRO Certification

- INMETRO Certificate: TUV 12.2073X

EURASEC Certification

- TC RU C-GB.ГБ.05.B.00138

Cable Gland Size	Maximum Diameter Over Conductors mm A	Overall Cable Diameter mm B		Across Flats mm D	Across Corners mm D	Nominal Protrusion Length mm F	PVC Shroud Reference	Cable Gland Weight kg
		Min	Max					
20S16	12.6	3.1	8.7	30.5	33.6	58.5	PVC04	0.20
20S	12.6	6.1	11.7	30.5	33.6	58.5	PVC04	0.20
20	12.6	6.5	14.0	30.5	33.6	60.5	PVC05	0.25
25	17.5	11.1	20.0	37.5	41.3	67.5	PVC09	0.40
32	23.6	17.0	26.3	46.0	45.5	69.5	PVC10	0.56
40	30.0	22.0	32.1	55.0	60.5	78.0	PVC13	0.60
50S	36.6	29.5	38.2	60.0	66.0	75.5	PVC15	0.61
50	41.0	35.6	44.1	70.0	77.0	80.5	PVC18	0.62
63S	47.9	40.1	50.1	75.0	82.5	91.5	PVC21	0.71
63	53.7	47.2	56.0	80.0	88.0	92.0	PVC23	0.73
75S	59.9	52.8	62.0	89.0	97.9	99.0	PVC24	1.15
75	64.3	59.1	68.0	99.0	108.9	102.0	PVC26	1.15
90	75.3	66.6	79.4	114.0	125.4	120.0	PVC31	2.70
100	85.6	80.0	90.9	133.0	146.3	135.0	LSF33	3.40

① Extra hard usage cable cord only

② Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.

PXSS2K-REX Series Liquid Resin Barrier Type Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland for all types of armored cable certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC.
 - Ex e increased safety.
 - Ex nR restricted breathing.
 - Ex d flameproof.
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Utilizes RapidEx high speed liquid resin sealing compound included with each gland.
- The gland utilizes a liquid pour resin seal that vastly reduces installation time and associated costs. This solution is particularly effective on multicore cables where traditional compound is difficult and time consuming to apply.
- Connector provides an environmental seal on the cable jacket and an explosionproof liquid resin barrier seal around the cable inner cores.

- Continuous operating temperature -60 °C to +85 °C
- Sealing technique - displacement seal concept. Sealing area(s) - inner liquid resin barrier and outer sheath.
- Sealing technique: LRS outer seal (load retention seal).
- Sealing area(s): inner liquid resin barrier and outer sheath.

Standard Materials

- Connector: brass fully nickel plated.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.
- High speed liquid resin sealing compound.

Options

- Aluminum: replace last digit 5 with 1
- 316L stainless steel: replace last digit 5 with 4 (available by quote only)
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Standard Metric ②	Standard NPT Thread C	Standard NPT ②	Optional NPT Thread C	Optional NPT ②	Replacement Sealing Resin	Maximum Diameter Over Conductors mm A
20S/16	M20	2016SPXREX5X	1/2	20S16PXREX0505X	3/4	20S16PXREX0755X	RAPIDEX30	12.6
20S	M20	20SPXREX5X	1/2	20SPXREX0505X	3/4	20SPXREX0755X	RAPIDEX30	12.6
20	M20	20PXREX5X	1/2	20PXREX0505X	3/4	20PXREX0755X	RAPIDEX30	12.6
25	M25	25PXREX5X	3/4	25PXREX0755X	1	25PXREX1005X	RAPIDEX30	17.5
32	M32	32PXREX5X	1	32PXREX1005X	1-1/4	32PXREX1255X	RAPIDEX30	23.6
40	M40	40PXREX5X	1-1/4	40PXREX1255X	1-1/2	40PXREX1505X	RAPIDEX30	30.0
50S	M50	50SPXREX5X	1-1/2	50SPXREX1505X	2	50SPXREX2005X	RAPIDEX80	36.6
50	M50	50PXREX5X	2	50PXREX2005X	2-1/2	50PXREX2505X	RAPIDEX80	41.0
63S	M63	63SPXREX5X	2	63SPXREX2005X	2-1/2	63SPXREX2505X	2RAPIDEX80	47.9
63	M63	63PXREX5X	2	63PXREX2005X	2-1/2	63PXREX2505X	2RAPIDEX80	53.7
75S	M75	75SPXREX5X	2-1/2	75SPXREX2505X	3	75SPXREX3005X	3RAPIDEX80	59.9
75	M75	75PXREX5X	3	75PXREX3005X	3-1/2	75PXREX3505X	3RAPIDEX80	64.3
90	M90	90PXREX5X	3-1/2	90PXREX3505X	4	90PXREX4005X	3RAPIDEX80	75.3

① Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.

② Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

PXSS2K-REX Series Liquid Resin Barrier Type Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

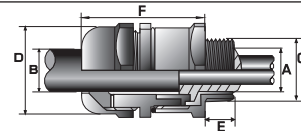
Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type PXSS2K-REX**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: II 2G 3G 1D
 - Ambient Temperature: -60 °C to +85 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1072X, Sira 13ATEX4078X
 - IECEx Certificate: IECEx SIR 13.0027X, IECEx SIM 14.0008X
 - Other Certifications: cCSAus, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91



Dimensions in Millimeters



INMETRO Certification

- INMETRO Certificate: TUV 12.2073X

EURASEC Certification

- TC RU C-GB.ГБ.05.B.00138

Cable Gland Size	Maximum Cable Bedding Diameter mm G	Minimum Thread Length mm E	Cable Bedding Diameter mm B		Across Flats mm D	Across Corners mm D	Protrusion Length mm F	PVC Shroud Reference	Cable Gland Weight kg
			Min	Max					
20S/16	13.0	15.0	3.2	8.7	30.5	30.5	58.5	PVC04	0.20
20S	13.0	15.0	6.1	11.7	30.5	30.5	58.5	PVC04	0.20
20	13.0	15.0	6.5	14.0	30.5	30.5	60.5	PVC05	0.25
25	18.0	15.0	11.1	20.0	37.5	37.5	67.5	PVC09	0.40
32	24.0	15.0	17.0	26.3	45.5	45.5	69.5	PVC10	0.56
40	30.4	15.0	22.0	32.1	55.0	55.0	78.0	PVC13	0.60
50S	37.0	15.0	29.5	38.2	60.0	60.0	60.0	PVC15	0.61
50	41.4	15.0	35.6	44.1	70.0	70.0	80.5	PVC18	0.62
63S	48.5	15.0	40.1	50.1	75.0	75.0	91.5	PVC21	0.71
63	54.2	15.0	47.2	56.0	80.0	80.0	92.0	PVC23	0.73
75S	60.3	15.0	52.8	62.0	89.0	89.0	99.0	PVC24	1.15
75	64.7	20.0	59.1	68.0	99.0	99.0	102.0	PVC26	1.15
90	75.7	20.0	66.6	80.0	114.0	114.0	120.0	PVC31	2.70

① Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.

PX2K Series Compound Barrier Seal Cable Glands

For all Types of Armored cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications:

- Cable gland for all types of armored cables (braid, tape, wire and lead sheath version) certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC.
 - Ex e increased safety.
 - Ex nR restricted breathing.
 - D dust environment.
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Cable gland with compound barrier seal for use in hazardous areas with all types of armored cables (braid, tape and wire).
- The cable gland provides mechanical cable retention and earth continuity via cable armor termination.
- A combined detachable armor cone and compound tube, together with AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment.
- The cable gland is IP66/68 and complies with deluge protection tests.
- The cable gland is supplied with epoxy resin and two detachable armor cones.
- Sealing technique: LRS outer seal (load retention seal).

Standard Materials

- Body: nickel plated brass
- Epoxy resin barrier compound
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- 316L stainless steel version: replace last digit **5** with **4**
- Lead sheath version: Replace **PX2K** with **PX2KPB**
- Aluminum: replace last digit **5** with **1**
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Standard Metric ①	Catalog Numbers				Maximum Cable Bedding Diameter mm G	Minimum Thread Length mm E
			Standard NPT Thread C	Standard NPT ①	Optional NPT Thread C	Optional NPT Thread ①		
20S16	M20	2016PX2K5	1/2	2016PX2K0505	3/4	2016PX2K0755	11.8	15.0
20S	M20	20SPX2K5	1/2	20SPX2K0505	3/4	20SPX2K0755	11.8	15.0
20	M20	20PX2K5	1/2	20PX2K0505	3/4	20PX2K0755	13.5	15.0
25S	M25	25SPX2K5	3/4	25SPX2K0755	1	25SPX2K1005	19.5	15.0
25	M25	25PX2K5	3/4	25PX2K0755	1	25PX2K1005	19.5	15.0
32	M32	32PX2K5	1	32PX2K1005	1-1/4	32PX2K1255	25.8	15.0
40	M40	40PX2K5	1-1/4	40PX2K1255	1-1/2	40PX2K1505	32.3	15.0
50S	M50	50SPX2K5	1-1/2	50SPX2K1505	2	50SPX2K2005	38.3	15.0
50	M50	50PX2K5	2	50PX2K2005	2-1/2	50PX2K2505	44.2	15.0
63S	M63	63SPX2K5	2	63SPX2K2005	2-1/2	63SPX2K2505	50.1	15.0
63	M63	63PX2K5	2-1/2	63PX2K2505	3	63PX2K 3005	56.1	15.0
75S	M75	75SPX2K5	2-1/2	75SPX2K2505	3	75SPX2K3005	62.1	15.0
75	M75	75PX2K5	3	75PX2K3005	3-1/2	75PX2K3505	68.1	15.0
90	M90	90PX2K5	3	90PX2K3005	3-1/2	90PX2K3505	78.4	24.0
100	M100	100PX2K5	4	100PX2K4005	4	100PX2K5005	91.1	24.0

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

PX2K Series Compound Barrier Seal Cable Glands

For all Types of Armored cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type PX2K**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: Ⓔ II 2G 3G 1D
 - Ambient Temperature: -60 °C to +85 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1072X, Sira 13ATEX4078X
 - IECEx Certificate: IECEx SIR 13.0027X, IECEx SIM 14.0008X
 - Other Certifications: cCSAus, UL, KCC, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91

INMETRO Certification

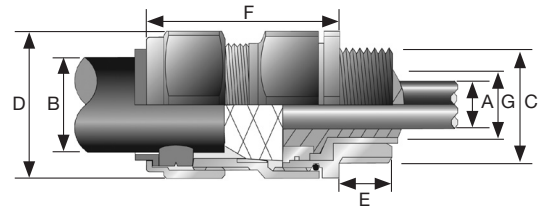
- INMETRO Certificate: TUV 12.2073X

EURASEC Certification

- TC RU C-GB.г5.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Maximum Diameter Over Conductors mm A	Maximum Number of Cores	Overall Cable Diameter mm (in) B		Across Flats mm D	Across Corners mm D	Protrusion Length mm F	WCable Gland Weight kg
			Min	Max				
20S16	12.6	11	6.1	11.5	30.5	33.6	58.5	0.2
20S	12.6	11	9.5	15.9	30.5	33.6	58.5	0.2
20	12.6	11	12.5	20.9	30.5	33.6	60.5	0.23
25S	17.5	11	14.0	22.0	37.5	41.3	67.5	0.33
25	17.5	21	18.2	26.2	37.5	41.3	67.5	0.33
32	23.6	38	23.7	33.9	46.0	50.6	69.5	0.51
40	30.0	38	27.9	40.4	55.0	60.5	78.0	0.72
50S	36.6	59	35.2	46.7	60.0	66.0	75.5	0.83
50	41.0	89	40.4	53.1	70.0	77.0	80.5	0.86
63S	47.9	89	45.6	59.4	75.0	82.5	91.5	1.45
63	53.7	115	54.6	65.9	80.0	88.0	92.0	1.60
75S	59.8	115	59.0	72.1	89.0	97.9	99.0	2.30
75	64.3	140	66.7	78.5	99.0	108.9	102.0	3.05
90	75.3	140	76.2	90.4	114.0	125.4	120.0	5.00
100	86.1	200	86.1	101.5	133.0	146.3	135.0	6.00

PX2K–REX Series Liquid Resin Barrier Type Cable Glands

For all Types of Armored cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland for all types of armored cables (braid, tape, wire and lead sheath version) certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC.
 - Ex e increased safety.
 - Ex nR restricted breathing.
 - D dust environment.
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Utilizes RapidEx high speed liquid resin sealing compound included with each gland.
- The gland utilizes a liquid pour resin seal, that vastly reduces installation time and associated costs. This solution is particularly effective on multicore cables where traditional compound is difficult and time consuming to apply.
- Connector provides an environmental seal on the cable outer jacket and an explosionproof liquid resin barrier seal around the cable inner cores.

- Connector provides mechanical cable retention and electrical continuity via armor termination.
- PX2K forms part of a comprehensive connector range for marine shipboard and IEE45 armored and jacketed cables.
- Sealing technique: LRS outer seal (load retention seal).

Standard Materials

- Connector: brass fully nickel plated.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.
- High speed liquid resin sealing compound.

Options

- Aluminum: replace last digit **5** with **1**
- 316L stainless steel: replace last digit **5** with **4** (available by quote only)
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

Cable Gland Size	Metric Thread C	Thread Length (Metric) mm E	Catalog Numbers					
			Standard Metric ① ②	Standard NPT Thread C	Standard NPT ① ②	Optional NPT Thread C	Optional NPT ① ②	Replacement Sealing Resin
20S/16	M20	15.0	2016PX2KREX5X	1/2	2016PX2KRX0505X	3/4	2016PX2KRX755X	RAPIDEX30
20S	M20	15.0	20SPX2KREX5X	1/2	20SPX2KRX0505X	3/4	20SPX2KRX0755X	RAPIDEX30
20	M20	15.0	20PX2KREX5X	1/2	20PX2KREX0505X	3/4	20PX2KREX0755X	RAPIDEX30
25S	M25	15.0	25SPX2KREX5X	3/4	25SPX2KRX0755X	1	25SPX2KRX1005X	RAPIDEX30
25	M25	15.0	25PX2KREX5X	3/4	25PX2KREX0755X	1	25PX2KREX1005X	RAPIDEX30
32	M32	15.0	32PX2KREX5X	1	32PX2KREX1005X	1-1/4	32PX2KREX1255X	RAPIDEX30
40	M40	15.0	40PX2KREX5X	1-1/4	40PX2KREX1255X	1-1/2	40PX2KREX1505X	RAPIDEX30
50S	M50	15.0	50SPX2KREX5X	1-1/2	50SPX2KRX1505X	2	50SPX2KRX2005X	RAPIDEX80
50	M50	15.0	50PX2KREX5X	2	50PX2KREX2005X	2-1/2	50PX2KREX2005X	RAPIDEX80
63S	M63	15.0	63SPX2KREX5X	2	63SPX2KRX2005X	2-1/2	63SPX2KRX2505X	2RAPIDEX80
63	M63	15.0	63PX2KREX5X	2-1/2	63PX2KREX2505X	3	63PX2KREX3005X	2RAPIDEX80
75S	M75	15.0	75SPX2KREX5X	2-1/2	75SPX2KRX2505X	3	75SPX2KRX3005X	2RAPIDEX80
75	M75	15.0	75PX2KREX5X	3	75PX2KREX3005X	3-1/2	75PX2KREX3505X	3RAPIDEX80
90	M90	20.0	90PX2KREX5X	3	90PX2KREX3005X	4	90PX2KREX4005X	3RAPIDEX80

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*. For Nutsteel NBR IEC Brazilian Certified versions, contact your local sales representative.

② For Nutsteel NBR IEC Brazilian Certified version with BSP threads, add an **N** to the beginning of the catalog number and add a **B** after the PX2KRX in the catalog number, i.e. **N2016PX2KRXB0505**.

PX2K-REX Series Liquid Resin Barrier Type Cable Glands

For all Types of Armored cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEx Certifications and Compliances

- **Certification Type PX2K REX**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: II 2G 3G 1D
 - Ambient Temperature: -60 °C to +85 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1072X, Sira 13ATEX4078X
 - IECEx Certificate: IECEx SIR 13.0027X, IECEx SIM 14.0008X
 - Other Certifications: cCSAus, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91

INMETRO Certification

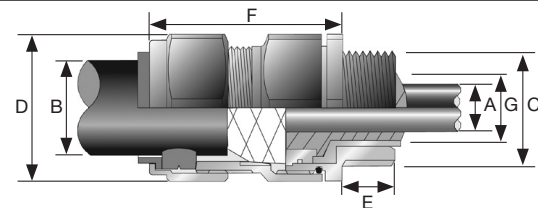
- INMETRO Certificate: TUV 12.2073X

EURASEC Certification

- TC RU C-GB.ГБ.05.В.00138



Dimensions in Millimeters



Cable Gland Size	Maximum Diameter Over Conductors mm A	Overall Cable Diameter mm B		Maximum Cable Bedding Diameter mm G	Across Flats mm D	Across Corners mm D	Nominal Protrusion Length mm F	PVC Shroud Reference	Cable Gland Weight kg
		Min	Max						
20S/16	12.6	6.1	13.2	11.8	30.5	33.6	58.5	PVC06	0.20
20S	12.6	9.5	15.9	11.8	30.5	33.6	58.5	PVC06	0.20
20	12.6	12.5	20.9	14.1	30.5	33.6	60.5	PVC06	0.23
25S	17.5	14.0	22.0	20.1	37.5	41.3	67.5	PVC09	0.33
25	17.5	18.2	26.2	20.1	37.5	41.3	67.5	PVC09	0.33
32	23.6	23.7	33.9	26.4	46.0	50.6	69.5	PVC11	0.51
40	30.0	27.9	40.4	32.3	55.0	60.5	78.0	PVC15	0.72
50S	36.6	35.2	46.7	38.3	60.0	66.0	75.5	PVC18	0.83
50	41.0	40.4	53.1	44.2	70.0	77.0	80.5	PVC21	0.86
63S	47.9	45.6	59.4	50.1	75.0	82.5	91.5	PVC23	1.45
63	53.7	54.6	65.9	56.1	80.0	88.0	92.0	PVC25	1.60
75S	59.9	59.0	72.1	62.1	89.0	97.9	99.0	PVC28	2.30
75	64.3	66.7	78.5	64.3	99.0	108.9	102.0	PVC30	3.05
90	75.3	76.2	90.4	78.4	114.0	125.4	120.0	PVC32	5.00

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

A2F Series Stainless Steel Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable glands for unarmored cable certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust)
- Onshore and offshore

Features

- Elastomer displacement seal for unarmored cable provides a combined flameproof and weatherproof seal on the outer sheath of the cable.

Standard Materials

- Body: Stainless Steel.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- Nickel plated brass version: replace last digit 4 with 5
- Aluminum: replace last digit 4 with 1
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages

ATEX/IECEx Certifications and Compliances

- **Certification Type A2F**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: II 2G 3G 1D
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1068X, Sira 13ATEX4074X
 - IECEx Certificate: IECEx SIR 13.0023X, IECEx SIM 14.0006
 - Other Certifications: CSA, KCC, CCOE/PESO (india)
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91

Cable Gland Size	Metric Thread C	Catalog Numbers				
		Standard Metric ①	Standard NPT Thread C	Standard NPT ①	Optional NPT Thread C	Optional NPT Thread ①
20S/16	M20	2016A2F4	1/2	2016A2F0504	3/4	2016A2F0754
20S	M20	20SA2F4	1/2	20SA2F0504	3/4	20SA2F0754
20	M20	20A2F4	1/2	20A2F0504	3/4	20A2F0754
25	M25	25A2F4	3/4	25A2F0754	1	25A2F1004
32	M32	32A2F4	1	32A2F1004	1-1/4	32A2F1254
40	M40	40A2F4	1-1/4	40A2F1254	1-1/2	40A2F1504
50S	M50	50SA2F4	1-1/2	50SA2F1504	2	50SA2F2004
50	M50	50A2F4	2	50A2F2004	2-1/2	50A2F2504
63S	M63	63SA2F4	2	63SA2F2004	2-1/2	63SA2F2504
63	M63	63A2F4	2-1/2	63A2F2504	3	63A2F3004
75S	M75	75SA2F4	2-1/2	75SA2F2504	3	75SA2F3004
75	M75	75A2F4	3	75A2F3004	3-1/2	75A2F3504
90	M90	90A2F4	3	90A2F3004	4	90A2F3504
100	M100	100A2F4	4	100A2F4004	5	100A2F5004
115	M115	115A2F4	4	115A2F4004	5	115A2F5004
130	M130	130A2F4	5	130A2F5004	6	130A2F6004

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

A2F Series Stainless Steel Cable Glands

For Unarmored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

INMETRO Certification

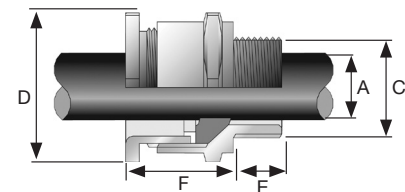
- INMETRO Certificate: TÜV 12.0619-X

EURASEC Certification

- TC RU C-GB.75.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Minimum Thread Length mm E	Overall Cable Diameter mm A		Across Flats mm D	Across Corners mm D	Nominal Protrusion Length mm F	PVC Shroud Reference	Cable Gland Weight kg
		Min	Max					
20S/16	15.0	3.3	8.64	22.1	24.13	21.08	PVC04	0.05
20S	15.0	6.1	11.68	22.1	24.13	21.08	PVC04	0.06
20	15.0	6.6	13.97	26.92	29.72	23.88	PVC05	0.11
25	15.0	11.18	20.07	36.07	39.62	25.91	PVC09	0.13
32	15.0	17.02	26.42	40.89	45.21	26.92	PVC10	0.17
40	15.0	23.62	32.26	45.97	50.55	27.94	PVC13	0.22
50S	15.0	30.99	38.1	55.12	60.45	28.96	PVC14	0.23
50	15.0	35.56	44.2	59.94	66.04	29.97	PVC17	0.36
63S	15.0	41.4	50.04	65.02	71.37	29.97	PVC20	0.34
63	15.0	47.24	55.88	70.1	76.96	29.97	PVC22	0.47
75S	15.0	54.1	61.98	80.01	88.65	32.0	PVC24	0.4
75	15.0	61.21	68.07	84.07	92.46	32.0	PVC26	1.35
90	24.0	66.55	80.01	107.95	120.65	43.94	PVC31	1.58
100	24.0	75.95	90.93	114.3	128.52	48.01	LSF32	2.32
115	24.0	86.11	98.04	131.57	146.05	55.12	LSF34	3.4
130	24.0	97.03	115.06	152.4	167.64	61.98	LSF35	2.44

ZONE 1 RATED STAINLESS STEEL CABLE GLANDS

Fittings

TE1FU Series Stainless Steel Cable Glands

For All Types of Armored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

Applications

- Cable gland certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC.
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Provides a flameproof (Type "d") seal on the cable inner bedding.
- Provides a gas tight seal permitting the compatibility of use with restricted breathing (Type "nR") equipment.
- Allows mechanical cable retention and earth continuity via the cable armor termination.
- Separate tightening actions for the inner
- The inner displacement seal and armor terminations are separate tightening actions providing maximum control over the pressure applied to the cable bedding.

- Reversible armor cone and AnyWay clamping ring arrangement facilitates remote make off and enables the cable to be disconnected from the equipment.
- Environmental/load retention seal is provided on the cable outer sheath.
- Stepped cone is suitable for SWA cables. Grooved cone is suitable for all other approved armored cables.
- Sealing Technique : Inner Displacement Seal and LRS (load retention seal) outer seal.

Standard Materials

- Body: Stainless Steel.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

Options

- Aluminum: replace last digit **5** with **1**
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED STAINLESS STEEL CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Standard Metric ①	Catalog Numbers				Minimum Thread Length mm E	Cable Gland Weight kgs
			Standard NPT Thread C	Standard NPT ①	Optional NPT Thread C	Optional NPT Thread ①		
20S/16	M20	20S16TE1FU4	1/2	20S16TE1FU0504	3/4	20S16TE1FU0754	15.0	0.15
20S	M20	20STE1FU4	1/2	20STE1FU0504	3/4	20STE1FU0754	15.0	0.15
20	M20	20TE1FU4	1/2	20TE1FU0504	3/4	20TE1FU0754	15.0	0.23
25S	M25	25STE1FU4	3/4	25STE1FU0754	1	25STE1FU1004	15.0	0.34
25	M25	25TE1FU4	3/4	25TE1FU0754	1	25TE1FU1004	15.0	0.34
32	M32	32TE1FU4	1	32TE1FU1004	1-1/4	32TE1FU1254	15.0	0.55
40	M40	40TE1FU4	1-1/4	40TE1FU1254	1-1/2	40TE1FU1504	15.0	0.79
50S	M50	50STE1FU4	1-1/2	50STE1FU1504	2	50STE1FU2004	15.0	1
50	M50	50TE1FU4	2	50TE1FU2004	2-1/2	50TE1FU2504	15.0	1.37
63S	M63	63STE1FU4	2	63STE1FU2004	2-1/2	63STE1FU2504	15.0	1.50
63	M63	63TE1FU4	2-1/2	63TE1FU2504	3	63TE1FU3004	15.0	1.56
75S	M75	75STE1FU4	2-1/2	75STE1FU2504	3	75STE1FU3004	15.0	2.45
75	M75	75TE1FU4	3	75TE1FU3004	3-1/2	75TE1FU3504	15.0	3.15
90	M90	90TE1FU4	3-1/2	90TE1FU3504	4	90TE1FU4004	24.0	4.62
100	M100	100TE1FU4	4	100TE1FU4004	5	100TE1FU5004	24.0	4.95
115	M115	115TE1FU4	4	115TE1FU4004	5	115TE1FU5004	24.0	7.60
130	M130	130TE1FU4	5	130TE1FU5004	6	130TE1FU6004	24.0	8.73

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

TE1FU Series Stainless Steel Cable Glands

For All Types of Armored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20
Gas (G) and Dust (D)

ATEX/IECEX Certifications and Compliances

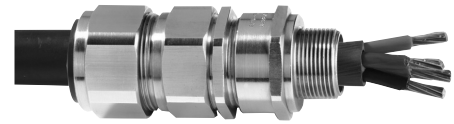
- **Certification Type TE1FU**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: II 2G 3G 1D
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1073X, Sira 13ATEX4079X
 - IECEX Certificate: IECEX SIR 13.0028X, IECEX SIM 14.0007X
 - Other Certifications: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
 - Deluge Protection Compliance: DTS01:91

INMETRO Certification

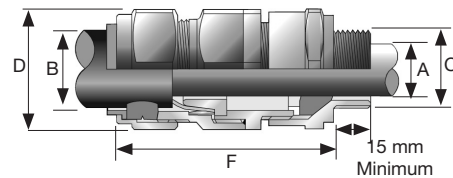
- INMETRO Certificate: TÜV 11.0374-X

EURASEC Certification

- EURASEC TC RU C-GB.ГБ05.B.00138



Dimensions in Millimeters



Cable Gland Size	Cable Bedding Diameter mm A		Overall Cable Diameter mm B		Across Flats mm D	Across Corners mm D	Nominal Protrusion Length mm F	PVC Shroud Reference
	Min	Max	Min	Max				
20S/16	3.1	8.7	6.1	13.1	24.0	26.4	57.3	PVC04
20S	6.1	11.7	9.5	15.9	24.0	26.4	57.3	PVC04
20	6.5	14.0	12.5	20.9	30.5	33.6	61.2	PVC06
25S	11.1	20.0	14.0	22.0	37.5	41.3	74.0	PVC09
25	11.1	20.0	18.2	26.2	37.5	41.3	74.0	PVC09
32	17.0	26.3	23.7	33.9	46.0	50.6	78.2	PVC11
40	22.0	32.2	27.9	40.4	55.0	60.5	81.6	PVC15
50S	29.5	38.2	35.2	46.7	60.0	66.0	88.1	PVC18
50	35.6	44.0	40.4	53.0	70.1	77.1	91.2	PVC21
63S	40.1	49.9	45.6	59.4	75.0	82.4	90.5	PVC23
63	47.2	55.9	54.6	65.8	80.0	88.0	90.3	PVC25
75S	52.8	61.9	59.0	72.0	90.0	99.0	104.7	PVC28
75	59.1	67.9	66.7	78.4	100.0	110.0	110.8	PVC30
90	66.6	79.9	76.2	90.3	115.0	126.5	135.5	PVC32
100	76.0	90.9	86.1	101.4	127.0	139.7	126.8	LSF33
115	86.0	97.9	101.5	110.2	138.0	151.8	157.5	LSF34
130	97.0	114.9	110.2	123.2	157.0	172.7	164.5	LSF35

ZONE 1 RATED STAINLESS STEEL CABLE GLANDS

Fittings

737 Series Adaptors and Reducers

Cable Gland Accessories

Increased Safety, Flameproof and Dust Environment

Zone 1 and Zone 20
Gas (G) and Dust (D)

Applications

- A wide range of thread conversion adaptors and reducers for hazardous area applications. Used to connect cable entry devices and equipment having dissimilar threads.
- Care should be taken to ensure that a suitable sealing gasket is also selected and installed, where applicable, to ensure that an effective seal is made at the entry, thereby maintaining the integrity of the enclosure or equipment IP rating.

Features

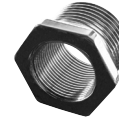
- Wide range of thread types and sizes.

Standard Materials

- Nickel plated brass.

Options

- Aluminum: replace last digit 5 with 1
- Brass version: remove last digit 5
- 316L stainless steel version: replace last digit 5 with 4
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.



ATEX/IECEX Certifications and Compliances

- **Certification Type 737**
 - Gas: Zones 1
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: Ⓢ II 2G 1D
 - Operating Temperature: -60 °C to +200 °C (Metallic)
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1265X
 - IECEX Certificate: IECEX SIR 13.0094X
 - Other Certifications: UL, cCSAus
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66, IP67, IP68 (when fitted with seal)

EURASEC Certification

- TC RU C-GB.r5.05.B.00138

Catalog Numbering Guide

ACCESSORIES

Fittings

737

737 Series:
Zone 1 and 20
ATEX / IECEX
Certified

D

Form of Protection:
D - Ex d, Ex e, Ex ta

Blank - No O-Ring
R - Optional O-Ring

M

Male Thread Type:
M - Metric
T - NPT
P - PG

1

Male Thread Size:
1 - M16, 1/2" NPT, PG 9
2 - M20, 3/4" NPT, PG 11
3 - M25, 1" NPT, PG 13.5
4 - M32, 1-1/4" NPT, PG 16
5 - M40, 1-1/2" NPT, PG 21
6 - M50, 2" NPT, PG 29
7 - M63, 2-1/2" NPT, PG 36
8 - M75, 3" NPT, PG 42
9 - M90, 3-1/2" NPT, PG 48
10 - M100, 4" NPT

M

Female Thread Type:
M - Metric
T - NPT
P - PG

1

Female Thread Size:
1 - M16, 1/2" NPT, PG 9
2 - M20, 3/4" NPT, PG 11
3 - M25, 1" NPT, PG 13.5
4 - M32, 1-1/4" NPT, PG 16
5 - M40, 1-1/2" NPT, PG 21
6 - M50, 2" NPT, PG 29
7 - M63, 2-1/2" NPT, PG 36
8 - M75, 3" NPT, PG 42
9 - M90, 3-1/2" NPT, PG 48
10 - M100, 4" NPT

5

Materials:
Blank - Brass
1 - Aluminum
4 - 316L Stainless
Steel
5 - Nickel Plated
Brass

① IP68 with entry thread seal or O-Ring not supplied, see *Cable Gland Accessories and Tools*.

737 Series Adaptors and Reducers

Cable Gland Accessories

Increased Safety, Flameproof and Dust Environment

Zone 1 and Zone 20
Gas (G) and Dust (D)

Male Thread									Female Thread																			
Size	M16	M20	M25	M32	M40	M50	M63	M75	PG7	PG9	PG11	PG13.5	PG16	PG21	PG29	PG36	PG42	PG48	1/2" NPT/NPS (M)	3/4" NPT/NPS (M)	1" NPT/NPS (M)	1-1/4" NPT/NPS (M)	1-1/2" NPT/NPS (M)	2" NPT/NPS (M)	2-1/2" NPT/NPS (M)	3" NPT/NPS (M)	3-1/2" NPT/NPS (M)	4" NPT/NPS (M)
M16																												
M20																												
M25																												
M32																												
M40																												
M50																												
M63																												
M75																												
PG7																												
PG9																												
PG11																												
PG13.5																												
PG16																												
PG21																												
PG29																												
PG36																												
PG42																												
PG48																												
1/2" NPT/NPS (M)																												
3/4" NPT/NPS (M)																												
1" NPT/NPS (M)																												
1-1/4" NPT/NPS (M)																												
1-1/2"NPT/NPS (M)																												
2" NPT/NPS (M)																												
2-1/2" NPT/NPS (M)																												
3" NPT/NPS (M)																												
3-1/2" NPT/NPS (M)																												
4" NPT/NPS (M)																												

Ex d/Ex e reducer
 Ex d/Ex e adaptor
 Non-certified adaptor

Thread Table

	Metric ①	NPT	PG
1	M16	1/2"	PG9
2	M20	3/4"	PG11
3	M25	1"	PG13.5
4	M32	1-1/4"	PG16
5	M40	1-1/2"	PG21
6	M50	2"	PG29
7	M63	2-1/2"	PG36
8	M75	3"	PG42
9	M90	3-1/2"	PG48
10	M100	4"	-

① IP68 with entry thread seal or O-Ring (not supplied), see Cable Gland Accessories and Tools.

737 Series Adaptors and Reducers

Cable Gland Accessories

Increased Safety, Flameproof and Dust Environment

Zone 1 and Zone 20
Gas (G) and Dust (D)

Reducers (Nickel Plated Brass)			Adapters (Nickel Plated Brass)		
Male Thread	Female Thread	Catalog Number	Male Thread	Female Thread	Catalog Number
M20	M16	737DM2M15	M16	M20	737DM1M25
M25	M16	737DM3M15	M20	M25	737DM2M35
M25	M20	737DM3M25	M25	M32	737DM3M45
M32	M20	737DM4M25	M32	M40	737DM4M55
M32	M25	737DM4M35	M40	M50	737DM5M65
M40	M25	737DM5M35	M50	M63	737DM6M75
M40	M32	737DM5M45	M63	M75	737DM7M85
M50	M32	737DM6M45	M75	M90	737DM8M95
M50	M40	737DM6M55	M90	M100	737DM9M105
M63	M40	737DM7M55	M16	1/2	737DM1T15
M63	M50	737DM7M65	M20	1/2	737DM2T15
M75	M50	737DM8M65	M20	3/4	737DM2T25
M75	M63	737DM8M75	M25	3/4	737DM3T25
1/2	3/4	737DT1T25	M25	1	737DM3T35
3/4	1/2	737DT2T15	M32	1	737DM4T35
1	1/2	737DT3T15	M32	1-1/4	737DM4T45
1	3/4	737DT3T25	M40	1-1/4	737DM5T45
1-1/4	3/4	737DT4T25	M40	1-1/2	737DM5T55
1-1/4	1	737DT4T35	M50	1-1/2	737DM6T55
1-1/2	1	737DT5T35	M50	2	737DM6T65
1-1/2	1-1/4	737DT5T45	M63	2	737DM7T65
2	1-1/4	737DT6T45	M63	2-1/2	737DM7T75
2	1-1/2	737DT6T55	M75	2-1/2	737DM8T75
2-1/2	1-1/2	737DT7T55	M75	3	737DM8T85
2-1/2	2	737DT7T65	1/2	M20	737DT1M25
3	2	737DT8T65	3/4	M20	737DT2M25
3	2-1/2	737DT8T75	3/4	M25	737DT2M35
3-1/2	2-1/2	737DT9T75	1	M25	737DT3M35
3-1/2	3	737DT9T85	1	M32	737DT3M45
4	3	737DT10T85	1-1/4	M32	737DT4M45
4	3-1/2	737DT10T95	1-1/4	M40	737DT4M55
			1-1/2	M40	737DT5M55
			1-1/2	M50	737DT5M65
			2	M50	737DT6M65
			2	M63	737DT6M75
			2-1/2	M63	737DT7M75
			2-1/2	M75	737DT7M85
			3	M75	737DT8M85

① IP68 with entry thread seal or O-Ring not supplied, see Cable Gland Accessories and Tools.

Shaded catalog numbers are normally stocked items. All other items are made to order.

BVE Series Blanking Plugs

Cable Gland Accessories

Increased Safety, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 21 and 22
Gas (G) and Dust (D)

Applications

- A comprehensive range of plastic blanking plugs designed to close any unused entries in electrical equipment.
- Entry thread sealing washer supplied.

Features

- Catering to hazardous areas, the range covers all metric threads from M16 to M50.
- Certification Ex e.

Standard Materials

- Nylon

ATEX Certifications and Compliances

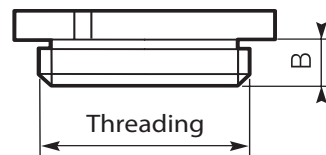
- **Certification Type BVe**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex e II
 - Dust: Zone 21 and 22
 - Type of Protection: Ex tD
 - Conforming to ATEX 94/9/CE:  II 2GD
 - Ambient Temperature: -40 °C to +55 °C
 - CE Declaration of Conformity: 5C218
 - ATEX Certificate: LCIE 03 ATEX 0011U
 - IECEx Certificate: IECEx LCI 04.0027U
 - Index of Protection according EN/IEC 60529: IP66

INMETRO Certification

- INMETRO Certificate: BVC 11.0600-U



Dimensions



Dimensions mm B	Metric	Weight kg	Volume	Catalog Number
–	M16	0.10	0.03	095485
12.0	M20	0.10	0.03	095714
12.0	M25	0.10	0.03	095715
12.0	M32	0.10	0.03	095486
12.0	M40	0.10	0.07	095487
–	M50	0.20	0.07	095488

Shaded catalog numbers are normally stocked items. All other items are made to order.

757 Series Blanking Plugs

Cable Gland Accessories

Increased Safety, Flameproof and Dust Environment

Zone 1 and Zone 20
Gas (G) and Dust (D)

Applications

- Blanking plugs are designed for use from the outside of the enclosure to permanently or temporarily close any unused entries.
- Idea for use on flameproof, increased safety electrical equipment in hazardous areas.
- In general, care should be taken to ensure that a suitable entry thread sealing washer is also selected and installed, where applicable, to ensure that an effective seal is made at the entry, thereby maintaining the integrity of the enclosure or equipment I.P. rating.

Features

- Catering to hazardous area applications, the range of products covers a number of different design types which are supplied in both metal and plastic (Exe only).
- Hexagon head allows for the installation or remove of the plug with either an open ended or ring type spanner or wrench.

Standard Materials

- Nickel plated brass

Options

- Brass version: remove last digit 5
- 316L stainless steel version: replace last digit 5 with 4
- Plastic (see BVE series)

Optional Accessories

- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ATEX/IECEx Certifications and Compliances

- **Certification Type 757**
 - Gas: Zones 1
 - Type of Protection: Ex d IIC Gb, Ex e IIC Gb
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: Ⓔ II 2G 1D
 - Operating Temperature: -60 °C to +200 °C (Metallic)
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1265X
 - IECEx Certificate: IECEx SIR 13.0094X
 - Other Certifications: UL, cCSAus
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66 or IP68 with seal

INMETRO Certification

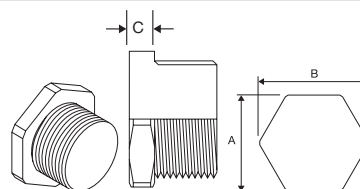
- INMETRO Certificate: TÜV 12.1333X

EURASEC Certification

- TC RU C-GB.ГБ.05.B.00138



Dimensions



① IP68 with entry thread seal or O-Ring not supplied, see *Cable Gland Accessories and Tools*.

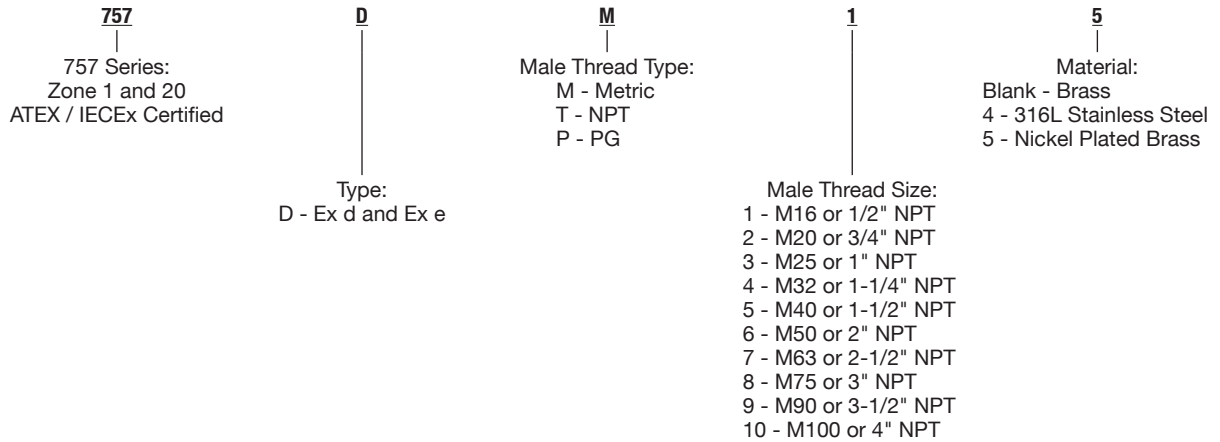
757 Series Blanking Plugs

Cable Gland Accessories

Increased Safety, Flameproof and Dust Environment

Zone 1 and Zone 20
Gas (G) and Dust (D)

Catalog Numbering Guide



Dimensions mm

Flats A	Corners B	C	Catalog Numbers (Nickel Plated Brass)				Weight kg
			Metric ②		NPT		
24.0	26.0	5.0	M16 x 1.5	757DM15	1/2"	757DT15	0.05
24.0	26.0	5.0	M20 x 1.5	757DM25	3/4"	757DT25	0.07
30.0	33.0	5.0	M25 x 1.5	757DM35	1"	757DT35	0.10
36.0	40.0	5.0	M32 x 1.5	757DM45	1-1/4"	757DT45	0.16
46.0	51.0	6.0	M40 x 1.5	757DM55	1-1/2"	757DT55	0.32
55.0	61.0	6.0	M50 x 1.5	757DM65	2"	757DT65	0.42
70.0	78.0	6.0	M63 x 1.5	757DM75	2-1/2"	757DT75	0.63
80.0	89.0	6.0	M75 x 1.5	757DM85	3"	757DT85	0.98
95.0	106.0	6.0	M90 x 2	757DM95	3-1/2"	757DT95	1.35
110.0	123.0	6.0	M100 x 2	757DM105	4"	757DT105	1.60

Thread Table

	Metric	NPT	PG
1	M16	1/2"	PG9
2	M20	3/4"	PG11
3	M25	1"	PG13.5
4	M32	1-1/4"	PG16
5	M40	1-1/2"	PG21
6	M50	2"	PG29
7	M63	2-1/2"	PG36
8	M75	3"	PG42
9	M90	3-1/2"	PG48
10	M100	—	—

① IP68 with entry thread seal or O-Ring not supplied, see Cable Gland Accessories and Tools.

② Entry thread seal not supplied, see Cable Gland Accessories and Tools.

Shaded catalog numbers are normally stocked items. All other items are made to order.

747 Series Stopper Plugs

Cable Gland Accessories

Increased Safety, Flameproof and Dust Environment

Zone 1 and Zone 20
Gas (G) and Dust (D)

Applications

- Stopper plug is designed for use from the outside of the enclosure to permanently or temporarily close any unused entries.
- Idea for use on flameproof electrical equipment in hazardous areas.
- In general, care should be taken to ensure that a suitable entry thread sealing washer is also selected and installed, where applicable, to ensure that an effective seal is made at the entry, thereby maintaining the integrity of the enclosure or equipment I.P. rating.

Features

- Catering to both Industrial and Hazardous Area applications the range covers a number of different metallic and non-metallic (e.g. Nylon) forms.
- Compensating Displacement Seal (CDS) system allows for use with Restricted Breathing equipment.
- Available with both external (Type A) or internal (Type B) Allen Key design.
- Internal Allen Key design is considered tamper proof. Once the equipment has been de-energized and the terminal chamber cover removed it can be removed from the inside.

Standard Materials

- Brass fully nickel plated

Options

- Aluminum: replace suffix -5 with 1
- 316L stainless steel: replace suffix -5 with 4
- Nylon: replace suffix -5 with 2



ATEX/IECEx Certifications and Compliances

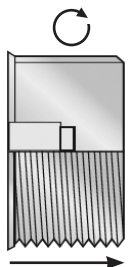
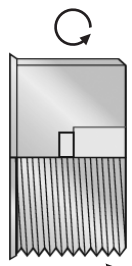
- **Certification Type 747**
 - Gas: Zones 1
 - Type of Protection: Ex d IIC Gb (except Nylon), Ex e IIC Gb
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
 - Conforming to ATEX 94/9/CE: II 2G 1D
 - Operating Temperature: -60 °C to +200 °C (Metallic) and -20 °C to +60 °C (Nylon)
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1265X
 - IECEx Certificate: IECEx SIR 13.0094X
 - Other Certifications: UL, cCSAus
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66

INMETRO Certification

- INMETRO Certificate: TÜV 12.1333X

EURASEC Certification

- TC RU C-GB.15.05.B.00138

	747 Series Male Thread Size	Allen Key size A/F	Minimum Thread Length mm	Nickel Plated Brass Catalog Number
 Ex 'd' Recessed Stopper Plug Type 'A'	M16	M8	15	747DAM15
	M20	M10	15	747DAM25
	M25	M10	15	747DAM35
	M32	M10	15	747DAM45
	M40	M10	15	747DAM55
	M50	M10	15	747DAM65
	M63	M14	15	747DAM75
	M75	M14	15	747DAM85
	M90	M14	24	747DAM95
	1/2 NPT			747DAT15
 Ex 'd' Recessed Stopper Plug Type 'B'	3/4 NPT			747DAT25
	1 NPT			747DAT35
	1-1/4 NPT			747DAT45
	1-1/2 NPT			747DAT55
	2 NPT			747DAT65
	2-1/2 NPT			747DAT75
	3 NPT			747DAT85

767 Series Stopper Plugs

Cable Gland Accessories

Increased Safety and Flameproof.

Zone 1 and 2, Zone 21 and 22
Gas (G) and Dust (D)

Applications

- Stopper plug is designed for use from the outside of the enclosure to permanently or temporarily close any unused entries.
- Idea for use on flameproof, increased safety electrical equipment in hazardous areas.
- In general, care should be taken to ensure that a suitable entry thread sealing washer is also selected and installed, where applicable, to ensure that an effective seal is made at the entry, thereby maintaining the integrity of the enclosure or equipment I.P. rating.

Features

- Catering to both Industrial and Hazardous Area applications the range covers a number of different metallic and non-metallic (e.g. Nylon) forms.
- Features a dome head with an Allen Key.
- Optional integral entry thread "O" Ring seal is available.

Standard Materials

- Brass fully nickel plated

Options

- Aluminum: replace suffix -5 with 1
- 316L stainless steel: replace suffix -5 with 4
- Nylon: replace suffix -5 with 2
- Optional O-Ring: replace **D** with **DR**
- IP68 when fitted with an O-Ring entry thread sealing washer



ATEX/IECEx Certifications and Compliances

- **Certification Type 767**
 - Gas: Zones 1
 - Type of Protection: Ex d IIC Gb (except Nylon), Ex e IIC Gb
 - Dust: Zone 20
 - Type of Protection: Ex ta IIC Da
 - Conforming to ATEX 94/9/CE: Ⓢ II 2G 1D
 - Operating Temperature: -60 °C to +200 °C (Metallic) and -20 °C to +60 °C (Nylon)
 - CE Declaration of Conformity: DC07001
 - ATEX Certificate: Sira 13ATEX1265X
 - IECEx Certificate: IECEx SIR 13.0094X
 - Other Certifications: UL, cCSAus
 - Marine Approval: LLOYDS, DNV, ABS
 - Index of Protection according EN/IEC 60529: IP66 or IP68 with seal

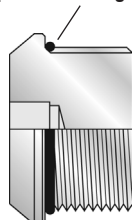
INMETRO Certification

- INMETRO Certificate: TÜV 12.1333X

EURASEC Certification

- TC RU C-GB.15.05.B.00138

Optional 'O' Ring ①



Mushroom Head
Stopper Plug

Male Thread Size	Allen Key size A/F	Head diameter in mm	Nickel Plated Brass Catalog Number
M16	M8	22.0	767DM15
M20	M10	27.0	767DM25
M25	M10	30.0	767DM35
M32	M10	36.0	767DM45
M40	M10	46.0	767DM55
M50	M10	55.0	767DM65
M63	M14	65.0	767DM75
M75	M14	80.0	767DM85
M90	M14	95.0	767DM95
1/2"NPT			767DT15
3/4"NPT			767DT25
1"NPT			767DT35
1-1/4"NPT			767DT45
1-1/2"NPT			767DT55
2"NPT			767DT65
2-1/2"NPT			767DT75
3"NPT			767DT85

① For optional O-Ring, change **D** to **DR** in catalog number. Contact your factory representative for price and availability.

Cable Gland Accessories and Tools

Description	Catalog Number	Description	Catalog Number
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Locknuts – Nickel Plated Brass

- Brass locknuts are recommended for use in securing brass cable glands to a gland plate or into equipment.



M16	095707	050NPT	050NPTLN5
M20	095701	075NPT	075NPTLN5
M25	095702	100NPT	100NPTLN5
M32	095703	125NPT	125NPTLN5
M40	095708	150NPT	150NPTLN5
M50	095709	200NPT	200NPTLN5
M63	095710	250NPT	250NPTLN5
M75	095711	300NPT	300NPTLN5
M90	095712	350NPT	350NPTLN5
M100	095713	—	—

Earth Tags – Pear (Nickel Plated Brass)

- Installed between the cable gland and equipment. Provide an earth bond connection as specified in BS 6121 : Part 5 : 1993.



M16	16ET	050NPT	050NPTET
M20	20ET	075NPT	075NPTET
M25	25ET	100NPT	100NPTET
M32	32ET	125NPT	125NPTET
M40	40ET	150NPT	150NPTET
M50	50ET	200NPT	200NPTET
M63	63ET	250NPT	250NPTET
M75	75ET	300NPT	300NPTET
M90	90ET	350NPT	350NPTET
M100	100ET	—	—

ACCESSORIES

Fittings

Shaded catalog numbers are normally stocked items. All other items are made to order.

Cable Gland Accessories and Tools

Serrated Washers – Stainless Steel

- Available in stainless steel as standard, these “shake-proof” serrated washers fitted internally to the equipment and before a locknut act as an anti-vibration device to prevent the gland and locknut arrangement from inadvertently loosening in service.

	Metric Thread	Catalog Number	NPT	Catalog Number
	M16	16SW4	—	—
	M20	20SW4	1/2	050NPTSW4
	M25	25SW4	3/4	075NPTSW4
	M32	32SW4	1	100NPTSW4
	M40	40SW4	1-1/4	125NPTSW4
	M50	50SW4	1-1/2	150SPTNW4
	M63	63SW4	2	200NPTSW4
	M75	75SW4	2-1/2	250NPTSW4
	M90	90SW4	3	300NPTSW4
	M100	100SW4	3-1/2	350NPTSW4

	Metric Thread	NPT	Dimensions mm		Weight kg
			B	C	
	M16	—	19	25.4	0.01
	M20	1/2	24	32	0.01
	M25	3/4	33	40	0.01
	M32	1	42	44	0.01
	M40	1-1/4	55	59	0.02
	M50	1-1/2	65	80	0.02
	M63	2	70	100	0.06
	M75	2-1/2	85	112	0.09
	M90	3	100	120	0.11
	M100	3-1/2	110	150	0.16

Cable Gland Accessories and Tools

For Cable Entries

Pack	Weight (kg)	Description	Catalog Number	Description	Catalog Number
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Entry Thread Seals – Sealing (IP) Washers - Nylon (White)

- It is essential to maintain the integrity of the degree of IP protection for which explosionproof equipment have been rated. The need for a sealing washer will depend on the IP rating, code of protection and the type of entry holes available within that equipment (e.g. for Ex e apparatus or terminal boxes which are permitted to have untapped through clearance holes it is necessary to fit a sealing washer to ensure that the minimum IP54 requirement is met). Other equipment with tapped entry holes may not require a sealing washer to maintain the rated integrity of the installation.
- Entry thread sealing washers are produced in 2mm thick white nylon as standard which are recommended and meet the specified requirements of Shell's Offshore operations.
- To verify the effectiveness of the nylon entry sealing washers, independent 3rd party tests to BS EN 60529:1992 have been conducted on certain cable gland types at IP66, IP67 and IP68 levels of protection. Documentation of these high standard tests is available upon request.



10	0,0006	M16	16ETS2	050NPT	050NPTETS
10	0,0010	M20	20ETS2	075NPT	075NPTETS
10	0,0018	M25	25ETS2	100NPT	100NPTETS
10	0,0020	M32	32ETS2	125NPT	125NPTETS
5	0,0034	M40	40ETS2	150NPT	150NPTETS
5	0,0036	M50	50ETS2	200NPT	200NPTETS
5	0,0040	M63	63ETS2	250NPT	250NPTETS
1	0,0060	M75	75ETS2	300NPT	300NPTETS
1	0,0120	M90	90ETS2	350NPT	350NPTETS
1	0,0350	M100	100ETS2	—	—

Entry Thread Seals – Sealing (IP) Washers - Néoprène (Black)

ACCESSORIES



10	0,0001	M16	16ETS
10	0,0002	M20	20ETS
10	0,0004	M25	25ETS
10	0,0005	M32	32ETS
5	0,0008	M40	40ETS
5	0,0009	M50	50ETS

Fittings

Shaded catalog numbers are normally stocked items. All other items are made to order.

Cable Gland Accessories and Tools

For Cable Entries

	Cable Gland Size	Catalog Number
Lead Star Clamp for E2FX and E2FW Cable Glands Lead Sheath Continuity		
	2016	2016LSW
	20S	20SLSW
	20	20LSW
	25S and 25	25LSW
	32	32LSW
	40	40LSW
	50S	50SLSW
	50	50LSW
	63S	63SLSW
	63	63LSW
	75S	75SLSW
	75	75LSW
	90	90LSW
	100	100LSW

	Cable Gland Size	PX2K	E1F. / E2F. / T3
Black PVC Shrouds			
	- Push on shrouds are used to minimise the risk of dirt or foreign substances gathering on the cable gland body, and/or point of cable to gland interface. Standard shrouds are produced in black PVC. - Refer to the specific cable gland page for the PVC Shroud catalog number that is appropriate for use with that specific style cable gland.		
	20/16	PVC04	PVC04
	20S	PVC04	PVC04
	20	PVC06	PVC06
	25S	PVC09	PVC09
	25	PVC09	PVC09
	32	PVC11	PVC11
	40	PVC15	PVC15
	50S	PVC18	PVC18
	50	PVC21	PVC21
	63S	PVC23	PVC23
	63	PVC25	PVC25
	75S	PVC28	PVC28
	75	PVC30	PVC30
	90	PVC32	PVC32
	100	LSF33	LSF33
	115	—	LSF34
	130	—	LSF35

DB Series IIB Unions

Flameproof

Zone 1 and 21
Gas (G) and Dust (D)

Applications

- To be used with a fire retardant seal fitted directly at the entry to the flameproof housing. Enables connection via rigid or flexible union.
- Used for joining conduit and connecting conduit to enclosures.
- Facilitates modifications, permits the removal of enclosures without turning or removal of conduit.

Features

- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.

Standard Materials

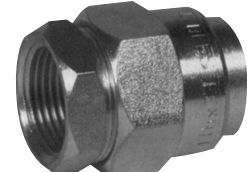
- Zinc plated steel

ATEX/IECEx Certifications and Compliances

- **Certification Type BMF - BFF**
 - Gas: Zone 1
 - Type of Protection: Ex d IIB
 - Dust: Zone 21
 - Type of Protection: Ex tD A21
 - Conforming to ATEX 94/9/CE:  II 2GD
 - Operating Temperatures: -20 °C to +60 °C
 - CE Declaration of Conformity: 5C232
 - ATEX Certificate: CESI 99 ATEX 034U
 - Index of Protection according EN/IEC 60529: IP66/67



500044



500049

Tapered Thread (NPT)	Weight kg	Volume dm³	Pack	Catalog Number
Male/Female				
1/2"	0.17	0.12	1	500044
3/4"	0.19	0.12	1	500045
1"	0.30	0.23	1	500046
1-1/4"	0.80	0.50	1	500047
1-1/2"	1.00	0.50	1	500048
Female/Female				
1/2"	0.15	0.12	1	500049
3/4"	0.15	0.12	1	500050
1"	0.23	0.23	1	500051
1-1/4"	0.70	0.50	1	500052
1-1/2"	0.37	0.50	1	500053
3"	0.90	2.00	1	500158

Shaded catalog numbers are normally stocked items. All other items are made to order.

DB Series IIC Elbows

Zone 1 and 21
Gas (G) and Dust (D)

Applications

- Used to connect two lengths of conduit.
- Used to make 90° bends in conduit runs.

Features

- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.

Standard Materials

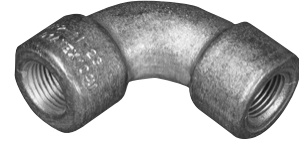
- Aluminum

Features

- Female to female thread.

ATEX Certifications and Compliances

- **Certification Type ELF**
 - Gas: Zone 1
 - Type of Protection: Ex d IIC; Ex e II
 - Dust: Zone 21
 - Type of Protection: Ex tD A21
 - Conforming to ATEX 94/9/CE: Ⓔ II 2GD
 - Operating Temperatures: -55 °C to +150 °C
 - CE Declaration of Conformity: 5C223
 - ATEX Certificate: CESI 01 ATEX 104U
 - Index of Protection according EN/IEC 60529: IP66/67



Tapered Thread (NPT)	Dimensions mm		Weight kg	Volume dm ³	Catalog Number
	A	B			
1/2"	73	57	0.1	0.12	500054
3/4"	73	67	0.1	0.10	500055
1"	92	83	0.2	0.23	500056
1-1/4"	115	84	0.4	0.50	500057
1-1/2"	115	84	0.6	0.50	500058
3"	185	95	0.5	2.00	500059

Shaded catalog numbers are normally stocked items. All other items are made to order.

DB Series IIC Flexible Couplings

Flameproof

Zone 1 and 21
Gas (G) and Dust (D)

Applications

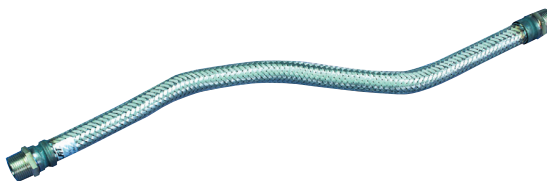
- Used in areas where vibration and/or movement are a problem.
- Used in place of rigid conduit in where it would be difficult to bend conduit.

Standard Materials

- Stainless steel

ATEX/IECEx Certifications and Compliances

- **Certification Type FLEXCO**
 - Gas: Zones 1
 - Type of Protection: Ex d IIC Gb
 - Dust: Zone 21
 - Type of Protection: Ex t IIIC Db
 - Conforming to ATEX 94/9/CE: Ⓔ II 2G 2D
 - Operating Temperatures: -40 °C to +150 °C



- CE Declaration of Conformity: 5C247
- ATEX Certificate: LCIE 11 ATEX 3006U
- IECEx Certificate: IECEx LCIE 12.0011U
- Index of Protection according EN/IEC 60529: IP66

Male/Male — To be used with fire-retardant seals or unions,

Tapered Thread (NPT)	Length mm	Weight kg	Volume dm ³	Catalog Number	Pack
1/2"	100	0.65	1	500060	1
1/2"	170	0.70	1.75	500061	1
1/2"	250	0.70	2.5	500106	1
1/2"	300	0.75	3	500062	1
1/2"	400	0.80	4	500063	1
1/2"	500	0.85	5	500064	1
1/2"	600	0.90	6	500065	1
1/2"	700	0.95	7	500066	1
1/2"	800	1.00	8	500067	1
1/2"	900	1.05	9	500068	1
1/2"	1000	1.10	10	500069	1
3/4"	300	0.75	3	500070	1
3/4"	400	0.80	1	500071	1
3/4"	500	0.85	5	500072	1
3/4"	600	0.90	6	500073	1
3/4"	700	0.95	7	500074	1
3/4"	800	1.00	8	500075	1
3/4"	900	1.05	9	500076	1
3/4"	1000	1.10	10	500077	1
1"	300	0.75	3	500078	1
1"	400	0.80	1	500079	1
1"	500	0.85	5	500080	1
1"	600	0.90	6	500081	1
1"	700	0.95	7	500082	1
1"	800	1.00	8	500083	1
1"	900	1.05	9	500084	1
1"	1000	1.1	3	500085	1
1-1/4"	300	0.75	3	500086	1
1-1/4"	400	0.80	3	500087	1
1-1/4"	500	0.85	5	500088	1
1-1/4"	600	0.90	6	500089	1
1-1/4"	700	0.95	7	500090	1
1-1/4"	800	1.00	8	500091	1
1-1/4"	900	1.05	9	500092	1
1-1/4"	1000	1.10	10	500093	1
1-1/2"	300	0.75	3	500094	1
1-1/2"	400	0.80	1	500095	1
1-1/2"	500	0.85	5	500096	1
1-1/2"	600	0.90	6	500097	1
1-1/2"	700	0.95	7	500098	1

DB Series Fire Retardant Seal

Flameproof

Zone 1 and 21
Gas (G) and Dust (D)

Applications

- Used to prevent passage of gasses, vapors or flames from one portion of a conduit system to another.

Features

- Female to female threads.

Standard Materials

- Aluminum

ATEX Certifications and Compliances

- Certification Type EYS**
 - Gas: Zones 1
 - Type of Protection: Ex d IIC
 - Dust: Zone 21
 - Type of Protection: Ex tD A21
 - Conforming to ATEX 94/9/CE: II 2GD
 - Ambient Temperature: -60 °C to +130 °C
 - CE Declaration of Conformity: 50268
 - ATEX Certificate: CESI 03 ATEX 085
 - Index of Protection according EN/IEC 60529: IP66



Tapered Thread (NPT)	A	Dimensions mm			R	Qty of resin required	Weight kg	Volume dm³	Pack	Catalog Number
		B	B1							
Aluminum Fire-Retardant Seal — Female/Female										
1/2"	77		—	43	35 g	0.13	2.3	1		500146
3/4"	87	67	—	50	50 g	0.19	3.2	1		500147
1"	105	83	—	62	100 g	0.32	3.2	1		500148
1-1/4"	130	84	—	56	240 g	0.60	3.2	1		500149
1-1/2"	130	84	—	56	240 g	0.60	4.0	1		500150
2"	140	95	—	63	380 g	0.65	7.6	1		500151
2-1/2"	175	113	—	74	1250 g	1.26	7.6	1		500152
3"	190	—	135	92	1250 g	1.33	7.6	1		500153
Fire Retardant Resin										
1 kg pot of resin + 250 g of catalyst						1.5	3.2	1	500154	
Fire Retardant Fiber										
1 kg bog						1.5	8.0	1	500155	

Shaded catalog numbers are normally stocked items. All other items are made to order.

DB Series Drain and Breather Valves

Flameproof or Increased safety

Zone 1 and 21
Gas (G) and Dust (D)

Applications

- Flameproof Bleed Valve:
 - Used to drain condensation from inside enclosures and boxes.
- Increased Safety Breather Drain:
 - Ensures that the condensation is evacuated from the lower section of the enclosures and limits the "pumping" effect in the upper section.

Standard Materials

- Bleed Valve and Breather: nickel plated brass or stainless steel.
- Breather Drain: polyamide, brass or stainless steel

ATEX/IECEX Certifications and Compliances

- Certification Type DP-E**
 - Gas: Zones 1
 - Type of Protection: Ex e IIC Gb
 - Dust: Zone 21
 - Type of Protection: Ex tb IIIC Db
 - Conforming to ATEX 94/9/CE: Ⓔ II 2G 2D
 - Ambient Temperature: -50 °C to +85 °C
 - CE Declaration of Conformity: 5C225
 - ATEX Certificate: Sira 99ATEX3050X
 - IECEX Certificate: IECEX SIR 08.0024X
 - Index of Protection according EN/IEC 60529: IP66

	Metric Thread	Material	Weight kg	Volume dm ³	Pack	Catalog Number
Flameproof Bleed Valve						
	M20	Nickel plated brass	0.20	0.33	1	DBD20NB
	M20	Stainless steel	0.20	0.33	1	DBD20S

To be used only with our range of flameproof enclosure. The ATEX certification is included in our Exd enclosure's certification.

Flameproof Breather

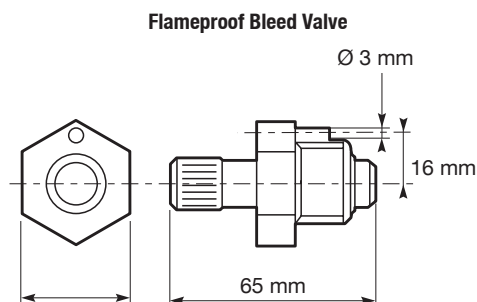
To be used only with our range of flameproof enclosure. The ATEX certification is included in our Exd enclosure's certification.

	M20	Nickel plated brass	0.20	0.33	1	DBDB20NB
	M20	Stainless steel	0.20	0.33	1	DBDB20S

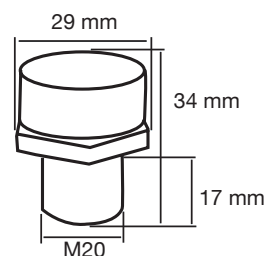
Increased Safety Combination Drain and Breather (Type DP-E)

	M20	Polyamide	0.20	0.10	1	DBE20P
	M20	Brass	0.20	0.10	1	DBE20B
	M20	Stainless steel	0.20	0.10	1	DBE20S

Dimensions in Millimeters



Increased Safety Drain and Breather



Shaded catalog numbers are normally stocked items. All other items are made to order.

Notes