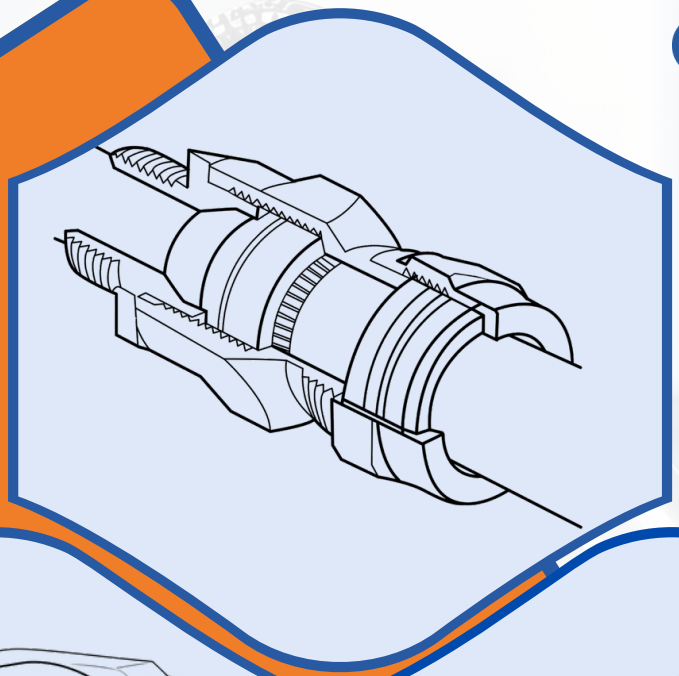
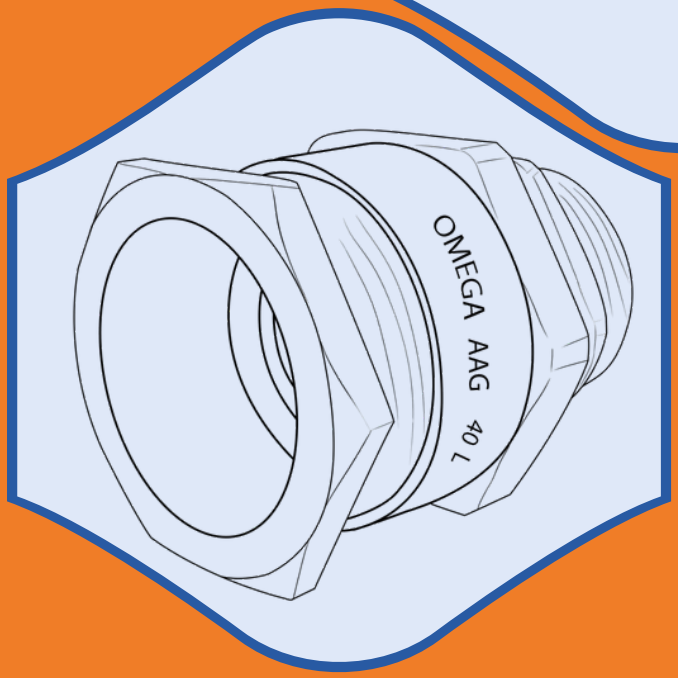
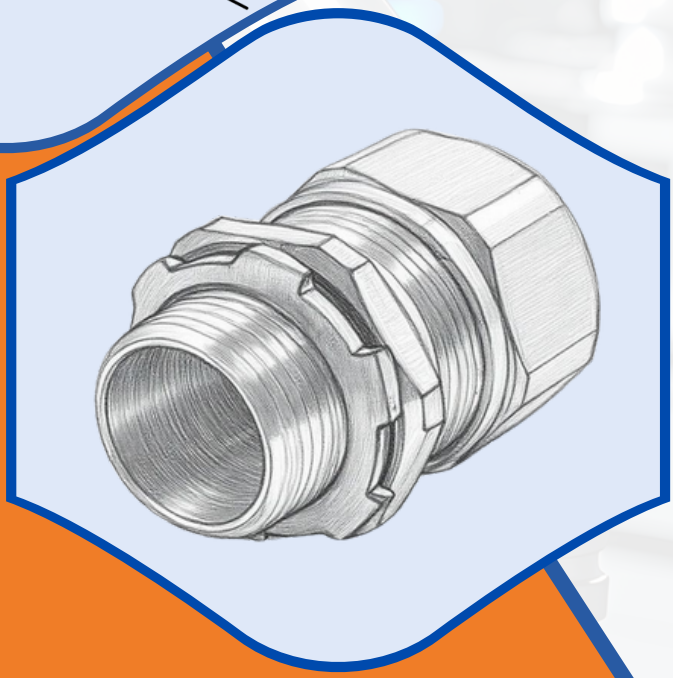
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CABLE GLANDS

High-Performance Glands for Industrial & Hazardous Environments.

sales@omegaelectricals.com

www.omegaelectricals.com

General Materials

GENERAL SPECIFICATION: BS 6121 - 1 : 2005

Materials:

Glands	–	Bodies, Caps & Rings: Brass
Seals	–	Nitrile Rubber
Shrouds/Sleeves	–	Black Polyvinyl Chloride (PVC)
Earth Tag	–	Natural Brass
Locknut	–	Natural Brass / Galvanised
Finish	–	Natural Brass / Nickel Plated
Entry Thread	–	ISO Metric (other threads available on request)



Gland Selection Chart

Cable glands perform to the requirement of BS 6121 - 1 : 2005
For use with PVC, SWA, PVC 600/1000 cables to BS 6346 : 1997
600/1000V Copper Conductor PVC insulated with Steel Wire Armoured Cable

Cable Conductor Size		Number Of Cores												
Non Area mm²	Natural	1	2	3	3/2	4	5	7	10	12	19	27	37	48
1.5	-	16s	20/16	20s	-	20s	20	20	20	25s	25	25	32	32
2.5	-	16s	20s	20s	-	20	20	20	25s	25	25	32	40s	40
4	-	16l	20	20	-	20	20	25s	25s	25	32s	32	40s	-
6	-	20s	20	20	-	20	-	-	-	-	-	-	-	-
10	-	20s	25s	25s	-	25s	-	-	-	-	-	-	-	-
16	-	20	25s	25s	-	25	-	-	-	-	-	-	-	-
25	16	20	25s	25	25	25	-	-	-	-	-	-	-	-
-	-	-	25	25	-	32s	-	-	-	-	-	-	-	-
35	16	20	25	32s	32s	32	-	-	-	-	-	-	-	-
-	-	-	25	32	-	32	-	-	-	-	-	-	-	-
50	25	25s	32s	32	32	40s	-	-	-	-	-	-	-	-
70	35	25	32	40s	40	40	-	-	-	-	-	-	-	-
95	50	25	40s	40	50s	50s	-	-	-	-	-	-	-	-
120	70	25	40	50s	50s	50	-	-	-	-	-	-	-	-
150	70	32s	40	50s	50s	63s	-	-	-	-	-	-	-	-
185	95	32	50s	50	63s	63s	-	-	-	-	-	-	-	-
240	120	40s	50	63s	63	63	-	-	-	-	-	-	-	-
300	150	40	63s	63	75s	75s	-	-	-	-	-	-	-	-
300	185	40	63s	-	75	75	-	-	-	-	-	-	-	-
400	185	50s	63	75s	75	90s	-	-	-	-	-	-	-	-
500	-	50	-	75	90	90	-	-	-	-	-	-	-	-
630	-	50	-	-	-	-	-	-	-	-	-	-	-	-
800	-	63s	-	-	-	-	-	-	-	-	-	-	-	-
1000	-	63	-	-	-	-	-	-	-	-	-	-	-	-

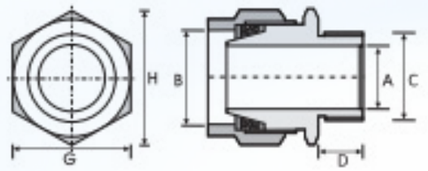
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BW Cable Glands (4 Part)

Application : *For use with armoured or braided cables, secures armouring & provides electrical continuity between armour & gland entry component mainly used in dry and indoor conditions.*

Design Features : *Compliant to BS 6121-1 : 2005, BS EN 62444 : 2013, 3 part armour lock with cone and lock ring provided for additional grip to the armour.*
Ingress Protection : *IP3X*
Material : *Brass*
Plating : *Nickel, Chrome on request.*
Accessories : *Brass Earth tag, PVC Shroud.*

Parts of Glands :
1. Brass Check Nut
2. Brass Gland Body
3. Brass Lock Ring
4. Brass Compression Nut





Size	Cable Overall Dia (mm)		A Dia	B Dia	C Nipple En-try Thred	D Lenght	G A/F	H A/C	Product Code
	From	To	mm	mm	mm	mm	mm	mm	
20S	11.50	16.00	12.00	17.00	M20 x 1.5	9.00	22.00	24.00	HBW - 20S
20L	14.00	20.00	14.50	20.00	M20 x 1.5	9.00	24.00	26.50	HBW - 20L
25S	19.00	24.00	18.50	25.00	M25 x 1.5	9.00	30.50	34.50	HBW - 25S
25L	20.00	26.00	20.50	26.00	M25 x 1.5	9.00	32.00	35.50	HBW - 25L
32S	24.00	30.00	27.50	34.00	M32 x 1.5	9.00	40.00	44.00	HBW - 32S
32L	26.00	33.00	27.50	34.00	M32 x 1.5	9.00	40.00	44.00	HBW - 32L
40S	30.00	37.00	31.50	39.00	M40 x 1.5	13.00	45.50	50.00	HBW - 40S
40L	32.00	41.00	33.00	42.00	M40 x 1.5	13.00	49.50	53.50	HBW - 40L
50S	40.00	47.00	41.00	49.00	M50 x 1.5	13.00	56.00	63.00	HBW - 50S
50L	44.00	52.00	44.00	54.00	M50 x 1.5	13.00	61.00	68.50	HBW - 50L
63S	51.00	60.00	51.00	61.00	M63 x 1.5	13.00	70.00	76.50	HBW - 63S
63L	55.00	66.00	56.00	67.00	M63 x 1.5	13.00	74.50	83.50	HBW - 63L
75S	62.00	72.00	63.00	73.00	M75 x 1.5	13.00	83.50	93.50	HBW - 75S
75L	67.00	78.00	68.00	79.00	M75 x 1.5	13.00	89.00	98.00	HBW - 75L
90S	74.00	84.00	78.00	88.50	M90 x 1.5	17.50	101.00	114.00	HBW - 90S
90L	79.00	88.00	79.50	88.50	M90 x 1.5	17.50	102.00	114.50	HBW - 90L

BW Cable Glands (2 Part)

Similar In application and design to the BW (3 part) Gland. But 2 part aro-mourd lock. knurled produces a low resistance earth clip.



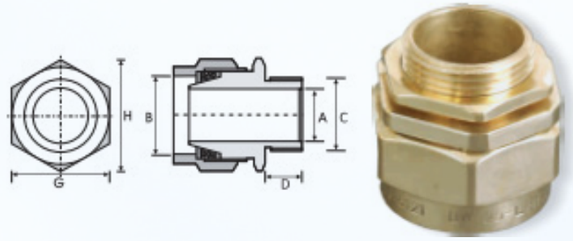
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CW Cable Glands (4 Part)

Application : For use with armoured cables, secures armouring & provides electrical continuity between armour & gland entry component. Also provides a seal on the outer sheath of the cable thus ensuring mechanical strength and no damage to cable sheathing. With compression type sealing technique these are used for both indoor and outdoor in all climate conditions as it weatherproof & waterproof.

Design Features : Compliant to BS 6121-1 : 2005, BS EN 62444 : 2013,
A 4 part armour lock with cone and lock ring provided additionalgrip to the armour.
Ingress Protection : IP 66
Material : Brass
Plating : Nickel, Chrome on request
Accessories : Brass Earth tag, PVC Shroud

Parts of Glands :
1. Brass Check Nut
2. Brass Gland Body
3. Brass Armour Ring
4. Brass Middle Body
5. Inner Rubber Seal
6. LD Ring
7. Brass Compression Nut



Size	Cable Overall Dia (mm)		A Dia	B Dia	C Nipple Entry Thred	D Lengh	G A/F	H A/C	Product Code
	From	to	mm	mm	mm	mm	mm	mm	
16S	8.00	11.00	9.00	13.50	M16 X 1.5	10.00	20.00	22.00	HCW - 16S
16L	9.00	12.00	9.00	13.50	M16 X 1.5	10.00	20.00	22.00	HCW - 16L
20S	12.00	15.00	12.60	16.00	M20 X 1.5	10.00	22.00	24.00	HCW - 20S
20L	14.00	20.00	14.00	20.00	M20 X 1.5	10.00	26.00	28.70	HCW - 20L
25S	18.50	23.00	18.70	24.50	M25 X 1.5	10.00	32.00	35.50	HCW - 25S
25L	20.50	26.50	20.75	27.50	M25 X 1.5	11.00	35.00	38.50	HCW - 25L
32S	24.00	30.00	27.00	34.00	M32 X 1.5	11.00	41.50	45.50	HCW - 32S
32L	27.00	33.00	34.00	40.00	M32 X 1.5	11.00	41.50	45.50	HCW - 32L
40S	32.50	38.00	32.50	40.50	M40 X 1.5	13.00	49.50	55.50	HCW -40S
40L	33.00	40.00	33.50	42.00	M40 X 1.5	13.00	49.50	54.50	HCW - 40L
50S	40.00	47.50	39.75	48.00	M50 X 1.5	13.00	57.00	61.75	HCW -50S
50L	44.00	52.50	44.50	53.25	M50 X 1.5	13.00	62.00	68.00	HCW - 50L
63S	52.00	57.50	51.00	58.00	M63 X 1.5	14.00	72.00	79.00	HCW - 63S
63L	56.00	62.00	56.00	64.50	M63 X 1.5	14.00	77.00	84.00	HCW - 63L
75S	62.00	70.00	63.00	72.50	M75 X 1.5	14.00	84.00	93.00	HCW - 75S
75L	68.00	77.00	67.75	78.00	M75 X 1.5	15.00	91.00	100.50	HCW - 75L
90S	74.00	86.00	77.50	89.50	M90 X 1.5	17.00	100.00	110.00	HCW -90S
90L	80.00	88.00	79.00	88.00	M90 X 1.5	17.00	100.00	110.00	HCW - 90L

CW Cable Glands (3 Part)

Similar In application and design to the CW (4 part) Gland. But 2 part aromour/ earth lock. knurled produces a low resistance earth clip.

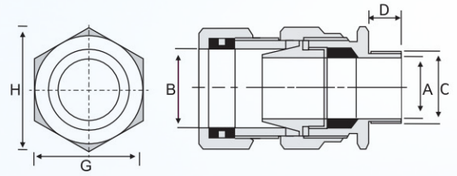


E1W Cable Glands

Application : For use with all types of SWA extruded bedding cables where it is essential to produce an IP 66 seal on to the outer sheath and also produce an IP 66 or explosion proof seal on the inner sheath. It provides seals to both inner sheath and outer sheath of the cable.

Design Features : Compliant to BS 6121-1 : 2005, BS EN 62444 : 2013, 2 part armour / earth lock, knurled armour lock produces a low resistance earth clip, inner and outer displacement seal, rated at IP 66 in conjunction with entry thread seal.
Material : Brass
Plating : Nickel, Chrome on request.
Accessories : Brass Earth tag, PVC Shroud.

Parts of Glands :
1. Brass Check Nut
2. Brass Gland Body
3. Rubber Seal (Inner Sheath)
4. Brass Armour Cone
5. Brass Armour Ring
6. Brass Middle Body
7. Rubber Seal (Outer Sheath)
8. Ld Ring
9. Brass Compression Nut





Size	Cable Overall Dia (mm)		A Dia	B Dia	C Nipple Entry Thred	D Lenght	G A/F	H A/C	Product Code
	From	To	mm	mm	mm	mm	mm	mm	
20S	12.00	16.00	12.00	16.00	M20 X 1.5	10.50	22.00	24.00	HE1W - 20S
20L	14.00	20.00	14.00	20.50	M20 X 1.5	10.50	27.00	30.00	HE1W - 20L
25S	18.00	24.00	18.50	25.00	M25 X 1.5	10.50	32.50	35.00	HE1W -25S
25L	20.00	27.00	20.00	27.50	M25 X 1.5	10.50	34.50	38.00	HE1W - 25L
32S	24.00	31.00	24.00	31.50	M32 X 1.5	13.00	39.00	43.50	HE1W - 32S
32L	26.00	31.50	26.50	31.50	M32 X 1.5	13.00	41.25	46.25	HE1W - 32L
40S	30.00	38.50	31.50	42.00	M40 X 1.5	15.00	46.50	51.00	HE1W -40S
40L	32.00	40.50	34.00	42.00	M40 X 1.5	15.00	50.50	56.50	HE1W - 40L
50S	38.00	46.00	40.50	47.00	M50 X 1.5	15.00	57.00	64.00	HE1W - 50S
50L	44.00	53.00	44.00	53.50	M50 X 1.5	15.00	62.00	69.00	HE1W - 50L
63S	50.00	59.00	52.00	60.50	M63 X 1.5	15.00	70.00	79.00	HE1W - 63S
63L	56.00	66.00	56.00	66.00	M63 X 1.5	15.00	79.00	87.00	HE1W - 63L
75S	62.00	72.00	62.00	72.00	M75 X 1.5	15.00	84.00	95.00	HE1W - 75S
75L	68.00	77.00	68.50	77.50	M75 X 1.5	19.00	92.00	102.50	HE1W - 75L
90L	79.00	88.00	80.00	89.00	M90 X 1.5	20.00	105.00	116.00	HE1W - 90L

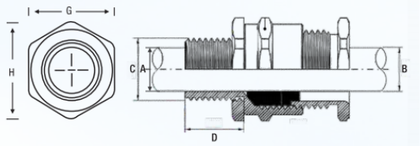
A1 / A2 Cable Glands

Application : For use with all unarmoured cables with rubber outer sheath. Secures outer sheath of cable. Displacement seal concept makes it suitable for indoor and outdoor application.

Design Features : Outer displacement seal.
Compliant to BS 6121-1 : 2005, BS EN 62444 : 2013.
Material : Brass
Ingress Protection : IP 66
Plating : Nickel, Chrome on request.

Parts of Glands

1. Brass Check Nut
2. Brass Gland Body
3. Rubber Inner Seal
4. LD Washer
5. Brass Compression Nut





Size	Cable Overall Dia (mm)		A Dia	B Dia	C Nipple Entry Thred	D Lenght	G A/F	H A/C	Product Code
	From	To	mm	mm	mm	mm	mm	mm	
16S	3.50	8.00	9.25	12.50	M16 x 1.5	10.00	22.00	24.75	HA2 - 16S
16L	3.50	9.00	9.25	12.50	M16 x 1.5	10.00	22.00	24.75	HA2 - 16L
20S	8.00	11.50	12.50	12.50	M20 x 1.5	10.00	22.00	24.75	HA2 - 20S
20L	11.00	14.00	14.75	15.50	M20 x 1.5	10.00	24.00	26.75	HA2 - 20L
25S	12.00	17.50	19.00	20.00	M25 x 1.5	15.00	27.50	30.50	HA2 - 25S
25L	14.00	20.50	20.75	22.00	M25 x 1.5	15.00	30.00	33.00	HA2 - 25L
32S	17.00	22.50	23.00	24.50	M32 x 1.5	15.00	34.75	37.50	HA2 - 32S
32L	19.00	26.50	26.75	28.00	M32 x 1.5	15.00	38.50	42.00	HA2 - 32L
40S	24.00	29.50	32.00	32.50	M40 x 1.5	19.00	42.50	47.50	HA2 - 40S
40L	25.00	33.00	34.50	34.50	M40 x 1.5	19.00	45.50	50.50	HA2 - 40L
50S	32.00	39.00	41.50	41.50	M50 x 1.5	19.00	55.50	61.50	HA2 - 50S
50L	37.00	44.00	45.00	45.50	M50 x 1.5	19.00	61.75	67.50	HA2 - 50L
63S	43.00	50.00	53.00	54.50	M63 x 1.5	19.00	67.25	74.25	HA2 - 63S
63L	48.00	56.00	56.50	56.50	M63 x 1.5	19.00	71.00	78.50	HA2 - 63L
75S	54.00	59.00	62.00	62.00	M75 x 1.5	20.00	77.00	84.00	HA2 - 75S
75L	59.00	67.50	68.00	70.00	M75 x 1.5	20.00	85.50	95.25	HA2 - 75L
90S	66.00	78.00	82.50	82.50	M90 x 1.5	20.00	99.75	111.50	HA2 - 90S
90L	68.00	80.00	82.50	82.50	M90 x 1.5	20.00	99.75	111.50	HA2 - 90L

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CABLE GLANDS



GLAND KIT

Kit Packing :

16 to 100 mm
1-Brass Gland
1-Black PVC Shroud
1-Brass Earthtag



PVC SHROUD

Material : High Grade Poly Vinyl Chloride

Features :

- Provides additional protection & enhances IP rating of the Cable Gland.
- Effective solution to weather and corrosion protection of a Cable Gland.
- Available in same gland size compatible to each size of the cable gland.
- The narrow end of the sleeve is readily cut with a knife, enabling it to be slipped over a wide range of cable diameters and assists ease of installation.



LSF SHROUD

Material : High Grade Poly Vinyl Chloride

Features :

- Provides additional protection & enhances IP rating of the Cable Gland
- Effective solution to weather and corrosion protection of a Cable Gland.



LOCK NUT

Material : Brass, Aluminium & Galvanized Steel

Features :

- Used in fastening glands to the gland plate.
- Available in Metric, Imperial, NPT, BSPT, BSP, & PG.

Size mm or inch.	Product Code	Size mm or inch.	Product Code
16mm or 5/8"	HGA LN-16	50mm or 2"	HGA LN-50
20mm or 3/4"	HGA LN-20	63mm or 2, 1/2"	HGA LN-63
25mm or 1"	HGA LN-25	75mm or 3"	HGA LN-75
32mm or 1, 1/4"	HGA LN-32	90mm or 3, 1/2"	HGA LN-90
40mm or 1, 1/2"			

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EXPLOSION PROOF GLAND

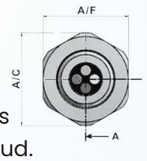
HE1FW Cable Glands

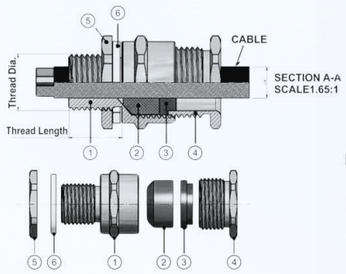
HAZ2F type Cable Glands are Single Compression cable glands used for Indoor and Outdoor in the appropriate Hazardous Areas with unarmored cable. The Cable Glands having entry size range from 16 to 90. HA2F cable glands consist of Entry Component, Seal and Sealing Nut. The entry component has min. 8 threads engaged for attachment with equivalent threaded entry hole of an ATEX certified enclosure. They seal on the outer jacket and give environmental protection to IP66. They are suitable for normal industrial environmental of temperature, humidity and vibration.

Cable Glands are made of Brass or Stainless steel 304 assembled with Silicone Sealing Ring (SIL1960) and Nylon Substrate (NYLON) and Nylon Washer (NYLON).

Cable Gland confirm to Group II and III, Category 2 for Zone 1, 2 and category 2 for 21 & 22 for ambient temperature range -60°C ≤ Ta ≤ +125°C.

Design Features : Outer displacement seal. Compliant to EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014.
Ingress Protection : IP 66
Material : Brass, Steel.
Plating : Nickel, Chrome on request
Accessories : Following accessories are available from HEX products as optional extras to assist with fixing, sealing and earthing, shroud.







Parts of Glands :

1. Entry Component
2. Sealing Washer
3. Outer Substrate
4. Seal Nut
5. Locknut
6. Thread Seal

Standard Entry Thread		Entry Thread Length	Cable Diameter		Body & Seal Nut		Product Code
Metric	NPT	Mm	Min	Max	A/F	A/C	
M16X1.5	1/2"	15.00	3.10	8.60	24.00	26.20	HE1FW-16
M20X1.5	1/2"	15.00	6.10	11.60	24.00	26.20	HE1FW-20S
M20X1.5	1/2"	15.00	6.50	13.90	27.00	29.50	HE1FW-20
M25X1.5	3/4"	15.00	11.10	19.90	36.00	39.20	HE1FW-25
M32X1.5	1"	15.00	17.00	26.20	41.00	45.00	HE1FW-32
M40X1.5	1 1/4"	15.00	22.00	32.10	50.00	55.00	HE1FW-40
M50X1.5	1 1/2"	15.00	29.50	38.10	55.00	60.00	HE1FW-50S
M50X1.5	2"	15.00	35.60	44.00	60.00	65.00	HE1FW-50
M63X1.5	2"	15.00	40.10	49.90	70.00	75.00	HE1FW-63S
M63X1.5	2 1/2"	15.00	47.20	55.90	75.00	80.00	HE1FW-63
M75X1.5	2 1/2"	15.00	52.80	61.90	80.00	85.00	HE1FW-75S
M75X1.5	3"	15.00	59.10	67.90	85.00	90.00	HE1FW-75
M90X1.5	3"	15.00	78.60	79.90	110.00	118.00	HE1FW-90

ATEX & IECEx Certified Cable Glands

EXPLOSION PROOF GLAND

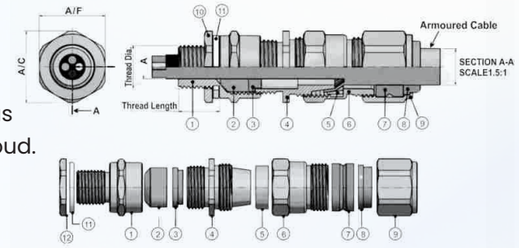
HE1FW Cable Glands

HE1FW type Cable Glands are Double Compression cable glands used for Indoor and Outdoor in the appropriate Hazardous Areas with Armored cable. The Cable Glands having entry size range from 16 to 90. HE1FW cable glands consist of Entry Component, Sealing Ring, Cone, Armored Ring, Gland Body, Outer Seal and Sealing Nut. The entry component has min. 8 threads engaged for attachment with equivalent threaded entry hole of ATEX certified enclosure.

They seal on the outer jacket and Cable armor will be clamped in the Cone and Armored Ring. Inner Sheath of the cable will be gripped by Sealing Ring with environmental protection IP 66. They are suitable for normal industrial environmental of temperature, humidity and vibration.

Cable Glands are made of Brass or Stainless steel 304 assembled with Silicone Sealing Ring (SIL1960), Cone (Brass or SS), Armored Ring (Brass or SS), Gland Body (Brass or SS), Outer Seal (SIL1960) and Nylon Substrate (NYLON) and Nylon Washer (NYLON)

Design Features : Outer displacement seal .Compliant to EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014.
Ingress Protection : IP 66
Material : Brass, Steel.
Plating : Nickel, Chrome on request
Accessories : Following accessories are available from HEX products as optional extras to assist with fixing, sealing and earthing, shroud.





Parts of Glands :

1. Entry Component
2. Sealing Washer
3. Outer Substrate
4. Seal Nut
5. Locknut
6. Thread Seal

Standard Entry Thread		Thread Length	Cable Diameter				Armour Wire Diameter				Body & Seal Nut		Product Code
			Bedding Dia A		Overall Dia B		For W type		For X type				
Metric	NPT	Mm	Min	Max	Min	Max	Min	Max	Min	Max	A/F	A/C	
M16X1.5	1/2"	15	3.1	8.6	6.1	13.1	0.9	0.9	0.3	1	24	26.2	HE1FW-16
M20X1.5	1/2"	15	6.1	11.6	9.5	15.9	0.9	1.25	0.3	1	24	26.2	HE1FW-20S
M20X1.5	1/2"	15	6.5	13.9	12.5	20.9	0.9	1.25	0.4	1	27	29.5	HE1FW-20
M25X1.5	3/4"	15	11.1	19.9	18.2	26.2	1.25	1.6	0.4	1.2	36	39.2	HE1FW-25
M32X1.5	1"	15	17	26.2	23.7	33.9	1.6	2	0.4	1.2	41	45	HE1FW-32
M40X1.5	1 1/4"	15	22	32.1	27.9	40.4	1.6	2	0.4	1.6	50	55	HE1FW-40
M50X1.5	1 1/2"	15	29.5	38.1	35.2	46.7	2	2.5	0.4	1.6	55	60	HE1FW-50S
M50X1.5	2"	15	35.6	44	40.4	53	2	2.5	0.6	1.6	60	65	HE1FW-50
M63X1.5	2"	15	40.1	49.9	45.6	59.4	2	2.5	0.6	1.6	70	75	HE1FW-63S
M63X1.5	2 1/2"	15	47.2	55.9	54.6	65.8	2	2.5	0.6	1.6	75	80	HE1FW-63
M75X1.5	2 1/2"	15	52.8	61.9	59	72	2	2.5	0.6	1.6	80	85	HE1FW-75S
M75X1.5	3"	15	59.1	67.9	66.7	78.4	2.5	3	0.6	1.6	85	90	HE1FW-75
M90X1.5	3"	18	78.6	79.9	76.2	90.3	3	3.5	0.8	1.6	110	118	HE1FW-90

ATEX & IECEx Certified Cable Glands

OMEGA

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