

TERMINATOR™ Cable Glands

Flameproof, Exd, IIC, IP66/67
Zone 1
Combustible Dust
Zone 21 & 22

Applications:

Terminator cable glands offer an effective and efficient way to terminate Steel Wire Armoured (SWA) cables in hazardous (TWAB, TWAX and TWAE series) and non-hazardous locations (TWA, TUA and CH series)

Terminator cable glands are used in a wide range of applications in petroleum refineries, chemical and petrochemical plants, offshore platforms, coal handling facilities, waste treatment facilities, explosive and ammunition plants, and many other light and heavy industrial applications.

Terminator cable glands are SAA certified and comply with BS standards for use with Steel Wire Armoured cables:

- To provide a means to terminate SWA cables at junction boxes, lighting fixtures, control centres, panel boards, and enclosures for motor control and electrical distribution equipment
- To form a watertight seal around the cable jacket
- To provide earthing continuity of cable armour
- To provide cable pullout protection
- In hazardous & non-hazardous locations
- Indoors and outdoors, in wet and dry locations
- In vertical and horizontal cable runs
- With optional SG series Sealing Gaskets to provide a watertight seal in sliphoses of sheet metal or moulded plastic boxes
- With optional ET series Earthing Tags and locknut to provide continuity of the armour to earth

Features:

- IP68 nylon cable glands offer excellent protection in arduous environments
- Only 15 TUA cable glands for unarmoured cable required for cable overall diameter range 10 to 78 mm



2 Fittings

- Only 15 TWAX Exd glands required for cable overall diameter range 10 to 78mm
- Only 8 TWAB Barrier and TWAE glands required for cable overall diameter range 10 to 78mm
- Free matching brass construction
- Barrier glands are furnished with easy to install and mix Epoxy Sealing Compound
- Unique sealing cone for barrier glands
- Neoprene bushings to ensure IP66/67 degrees of protection
- Hex gland body
- Available in both metric and NPT thread sizes

Standard Materials/Finishes:

- Gland Body, Sealing Gland Nut, Armour Clamp Nut - brass/nickel plated
- Outer seal, Inner seal, O-Ring - Neoprene/natural
- Slipwasher - Nylon/natural
- Locknuts - Brass/ natural finish
- Earth Tags - Brass/nickel plated

Options:

- Sealing Gaskets
- Earthing Tags and Locknuts
- Stainless Steel

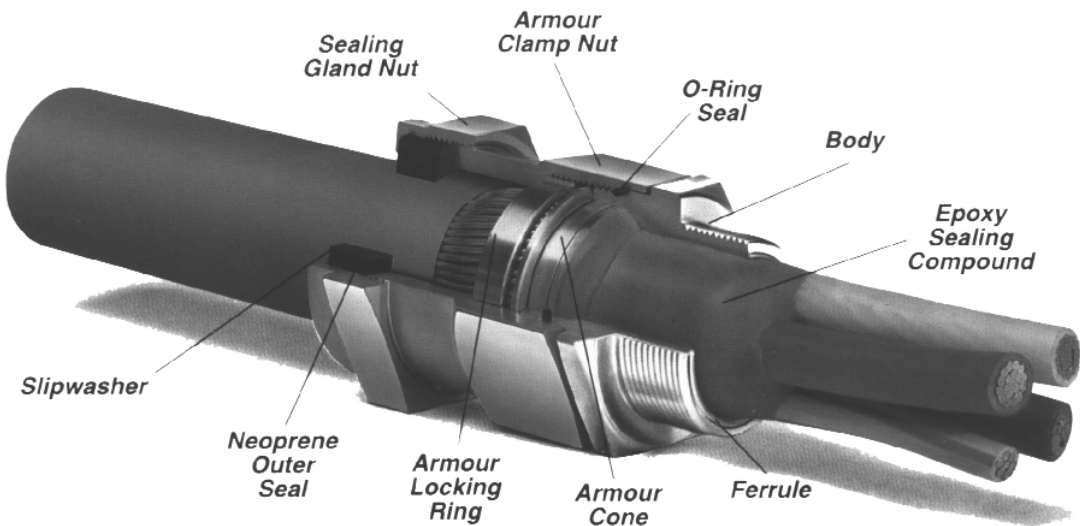
Compliances:

- AS 1828 Cable Glands - Zone 1, Group IIC, and Zone 21 & 22
- AS 1939 Degrees of Protection - IP66/67
- Compliance to AS2380 and AS2236
- Compliance to applicable parts of AS/NZ60079
- Certificate of Compliance - Ex1424X

TERMINATOR™
Cable Glands
TWAB Series

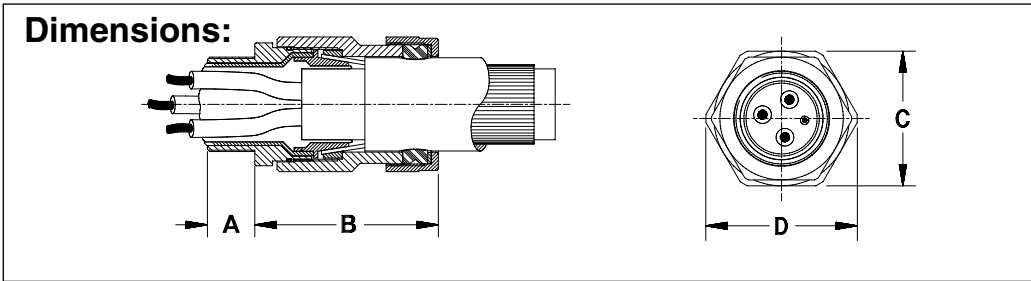
Flameproof, Exd Barrier, IIC, IP66/67
Zone 1
Combustible Dust
Zone 21 & 22

2 Fittings



The TWAB cable gland is designed for easy installation in Zone 1, Exd, Group IIC and Zone 21 & 22 hazardous locations. The integral epoxy seal prevents the propagation of an explosion from inside an enclosure to the outside environment through the cable jacket and armour. The sealing compound is easy to measure, mix, and install. Installation is quick because damming is not required - the compound is kneaded until a uniform colour is obtained and is then packed around the conductors to effectively seal the cable.

Gland Size Data				Cable Range Detail					Gland Size Data			
Terminator Selection	Entry Size	Terminator Selection	Entry Size	Actual Diameter				Wire Armour Diameter	Approx.		Hexagon Size	
				Under Armour		Overall			Entry Length	Proj. Length	Across Flats	Across Corners
				Catalogue Number	Metric	Catalogue Number	NPT	Min mm				
TWAB1M16	20	TWAB1N16	1/2"	6.0	8.0	10.2	15.8	0.9 / 1.25	14.0	58.0	27.0	31.0
TWAB1M20	20	TWAB1N20	1/2"	7.0	12.0	14.0	20.8	0.9 / 1.25	14.0	58.0	30.4	34.0
TWAB2M27	25	TWAB2N27	3/4"	11.0	18.0	18.0	27.2	1.25 / 1.6	16.0	60.0	38.1	43.0
TWAB3M34	32	TWAB3N34	1"	17.0	25.0	25.0	33.5	1.6 / 2.0	20.0	72.0	47.6	53.0
TWAB4M40	40	TWAB4N40	1 1/4"	24.0	31.0	30.0	35.9	1.6 / 2.0	20.0	74.0	55.0	63.5
TWAB5M53	50	TWAB5N53	1 1/2"	30.0	41.0	36.0	52.6	2.0 / 2.5	20.0	82.0	70.0	78.0
TWAB6M66	63	TWAB6N66	2"	40.0	54.0	51.0	65.3	2.0 / 2.5	22.0	90.0	80.0	88.0
TWAB7M78	75	TWAB7N78	2 1/2"	53.0	65.0	63.0	78.0	2.5 / 3.5	22.0	98.0	101.0	112.0



TWAB Series Selector Chart - Power Cables

CSA mm ²	2 Core Plus Earth	3 Core Plus Earth	3 1/2 Core Plus Earth	4 Core Plus Earth
1.5	TWAB1M20	TWAB1M20		TWAB1M20
2.5	TWAB1M20	TWAB1M20		TWAB2M27
4	TWAB2M27	TWAB2M27		TWAB2M27
6	TWAB2M27	TWAB2M27		TWAB2M27
10	TWAB2M27	TWAB2M27		TWAB2M27
16	TWAB2M27	TWAB3M34		TWAB3M34
25	TWAB3M34	TWAB3M34	TWAB3M34	TWAB4M40
35	TWAB3M34	TWAB4M40	TWAB4M40	TWAB4M40
50	TWAB4M40	TWAB4M40	TWAB5M53	TWAB5M53
70		TWAB5M53	TWAB5M53	TWAB5M53
95		TWAB5M53	TWAB5M53	TWAB6M66
120		TWAB6M66	TWAB6M66	TWAB6M66
150		TWAB6M66	TWAB6M66	TWAB6M66
185		TWAB6M66	TWAB7M78	TWAB7M78
240		TWAB7M78	TWAB7M78	
300		TWAB7M78	TWAB7M78	

TWAB Series Selector Chart - Control Cables

No. of Cores	CSA 1.5mm ²	CSA 2.5mm ²	CSA 4mm ²	CSA 6mm ²
5	TWAB1M20	TWAB2M27	TWAB2M27	TWAB3M34
6	TWAB1M20	TWAB2M27	TWAB2M27	TWAB3M34
7	TWAB2M27	TWAB2M27	TWAB3M34	TWAB3M34
8	TWAB2M27	TWAB2M27	TWAB3M34	TWAB3M34
9	TWAB2M27	TWAB2M27	TWAB3M34	TWAB3M34
10	TWAB2M27	TWAB2M27	TWAB3M34	TWAB3M34
12	TWAB2M27	TWAB2M27	TWAB3M34	TWAB4M40
15	TWAB2M27	TWAB3M34	TWAB4M40	TWAB4M40
20	TWAB3M34	TWAB3M34	TWAB4M40	TWAB5M53
25	TWAB3M34	TWAB3M34	TWAB4M53	TWAB5M53
30	TWAB3M34	TWAB4M40	TWAB5M53	TWAB5M53
40	TWAB4M40	TWAB5M53	TWAB5M53	TWAB6M66
50	TWAB4M40	TWAB5M53	TWAB6M66	TWAB6M66

TWAB Series Selector Chart - Instrumentation Cables

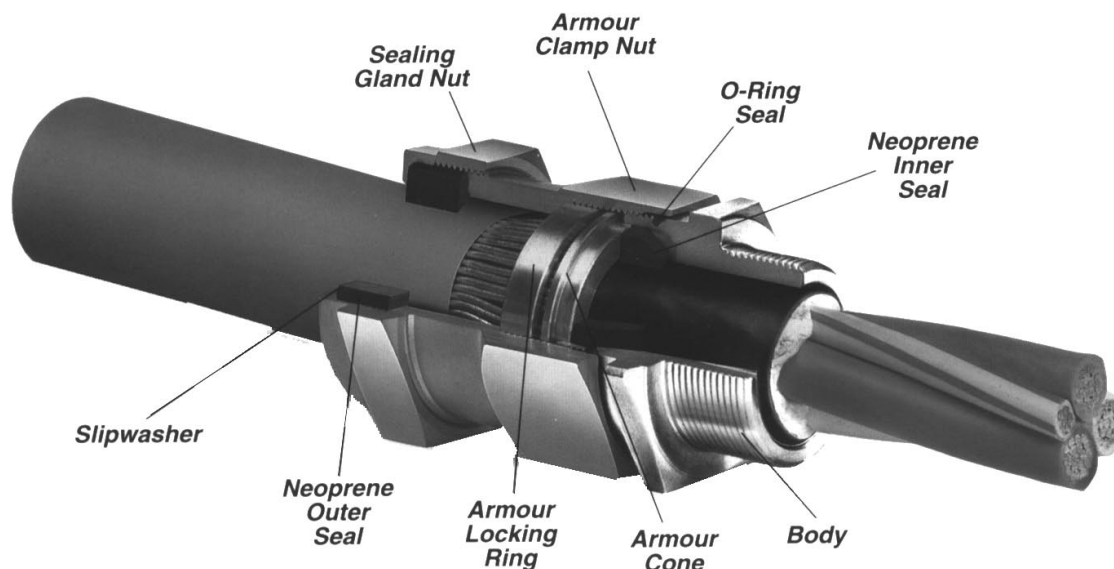
Note: Selection tables are provided as a guide only. Actual sizes may vary according to the differences in each manufacturers cable dimensions.

No. of Pairs	Overall Screened		Individually Screened	
	0.5mm ²	1.5mm ²	0.5mm ²	1.5mm ²
2	TWAB1M16	TWAB1M20	TWAB1M20	TWAB1M20
4	TWAB1M20	TWAB1M20	TWAB1M20	TWAB2M27
6	TWAB1M20	TWAB2M27	TWAB2M27	TWAB2M27
8	TWAB1M20	TWAB2M27	TWAB2M27	TWAB3M34
10	TWAB2M27	TWAB2M27	TWAB2M27	TWAB3M34
12	TWAB2M27	TWAB3M34	TWAB2M27	TWAB3M34
16	TWAB2M27	TWAB3M34	TWAB3M34	TWAB4M40
20	TWAB2M27	TWAB4M40	TWAB3M34	TWAB4M40
24	TWAB3M34	TWAB4M40	TWAB3M34	TWAB5M53
36	TWAB3M34	TWAB5M53	TWAB4M40	TWAB5M53
50	TWAB4M40	TWAB5M53	TWAB5M53	TWAB6M66
No. of Triples				
4	TWAB1M20	TWAB2M27	TWAB1M20	TWAB2M27
12	TWAB2M27	TWAB3M34	TWAB3M34	TWAB3M34
16	TWAB3M34	TWAB4M40	TWAB3M34	TWAB4M40
36	TWAB4M40	TWAB5M53	TWAB5M53	TWAB5M53

TERMINATOR™ Cable Glands TWAX Series

Flameproof, Exd, IIC, IP66/67
Zone 1
Combustible Dust
Zone 21 & 22

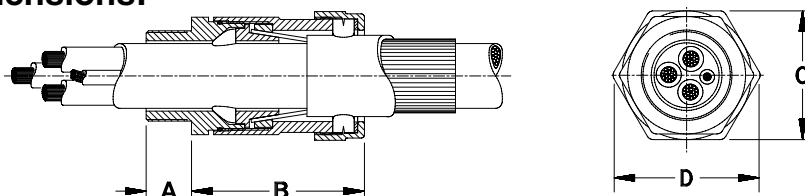
2 Fittings



The TWAX cable gland is designed for easy installation in Zone 1, Exd, Group IIC and Zone 21 & 22 hazardous locations. It is designed to maintain the integrity of the enclosure should an internal explosion occur. This cable gland incorporates three elastomeric seals which provide a high degree of ingress protection to ensure a safe installation in hazardous & adverse environments.

Gland Size Data				Cable Range Detail					Gland Size Data			
Terminator Selection	Entry Size	Terminator Selection	Entry Size	Actual Diameter				Wire Armour Diameter	Approx.		Hexagon Size	
				Under Armour		Overall			Entry Length	Proj. Length	Across Flats	Across Corners
Catalogue Number	Metric	Catalogue Number	NPT	Min mm	Max mm	Min mm	Max mm	Min / Max mm	A mm	B mm	C mm	D mm
TWAX1M13	20	TWAX1N13	1/2"	6.3	8.6	10.2	13.2	0.9 / 1.25	14.0	58.0	23.3	26.0
TWAX1M16	20	TWAX1N16	1/2"	8.4	11.6	13.0	15.8	0.9 / 1.25	14.0	58.0	27.0	31.0
TWAX1M20	20	TWAX1N20	1/2"	11.0	13.9	15.5	19.8	0.9 / 1.25	14.0	58.0	30.5	34.0
TWAX2M24	25	TWAX2N24	3/4"	13.5	16.9	19.5	23.8	1.25 / 1.6	16.0	60.0	33.3	37.0
TWAX2M27	25	TWAX2N27	3/4"	16.5	19.9	23.5	27.2	1.25 / 1.6	16.0	60.0	38.1	43.0
TWAX3M30	32	TWAX3N30	1"	19.5	23.9	27.0	30.5	1.6 / 2.0	20.0	72.0	42.2	47.0
TWAX3M33	32	TWAX3N33	1"	23.5	26.2	30.0	33.5	1.6 / 2.0	20.0	72.0	47.0	53.0
TWAX4M38	40	TWAX4N38	1 1/4"	25.8	31.2	33.0	38.5	1.6 / 2.0	20.0	74.0	55.0	64.0
TWAX5M43	50	TWAX5N43	1 1/2"	30.8	36.2	38.0	43.5	2.0 / 2.5	20.0	82.0	57.0	62.0
TWAX5M48	50	TWAX5N48	1 1/2"	35.5	40.0	43.0	48.5	2.0 / 2.5	20.0	82.0	63.5	71.0
TWAX5M52	50	TWAX6N52	2"	39.5	44.0	48.0	52.6	2.0 / 2.5	22.0	82.0	70.0	78.0
TWAX6M60	63	TWAX6N60	2"	43.5	49.0	52.0	58.9	20 / 2.5	22.0	90.0	76.0	85.0
TWAX6M65	63	TWAX7N65	2 1/2"	48.5	55.9	58.0	65.3	2.0 / 2.5	22.0	90.0	80.0	88.0
TWAX7M71	75	TWAX7N71	2 1/2"	55.5	61.9	64.3	71.6	2.5 / 3.15	22.0	98.0	89.0	102.0
TWAX7M78	75	TWAX8N78	3"	61.0	67.9	70.6	78.0	2.5 / 3.15	22.0	98.0	101.0	112.0

Dimensions:



TWAX Series Selector Chart - Power Cables

CSA mm ²	2 Core Plus Earth	3 Core Plus Earth	3 1/2 Core Plus Earth	4 Core Plus Earth
1.5	TWAX1M16	TWAX1M20		TWAX1M20
2.5	TWAX1M20	TWAX1M20		TWAX1M20
4	TWAX1M20	TWAX1M20		TWAX2M24
6	TWAX1M20	TWAX2M24		TWAX2M24
10	TWAX2M24	TWAX2M27		TWAX2M27
16	TWAX2M27	TWAX2M27		TWAX3M30
25	TWAX3M30	TWAX3M30	TWAX3M33	TWAX3M33
35	TWAX3M30	TWAX3M33	TWAX4M38	TWAX4M38
50	TWAX3M33	TWAX4M38	TWAX5M43	TWAX5M43
70		TWAX5M43	TWAX5M48	TWAX5M48
95		TWAX5M48	TWAX5M52	TWAX6M60
120		TWAX5M52	TWAX6M60	TWAX6M60
150		TWAX6M60	TWAX6M65	TWAX6M65
185		TWAX6M65	TWAX7M71	TWAX7M71
240		TWAX7M71	TWAX7M78	
300		TWAX7M78	TWAX7M78	

TWAX Series Selector Chart - Control Cables

No. of Cores	CSA 1.5mm ²	CSA 2.5mm ²	CSA 4mm ²	CSA 6mm ²
5	TWAX1M20	TWAX1M20	TWAX2M24	TWAX2M27
6	TWAX1M20	TWAX1M20	TWAX2M24	TWAX2M27
7	TWAX1M20	TWAX2M24	TWAX2M27	TWAX3M30
8	TWAX2M24	TWAX2M24	TWAX2M27	TWAX3M30
9	TWAX2M24	TWAX2M27	TWAX3M30	TWAX3M33
10	TWAX2M24	TWAX2M27	TWAX3M30	TWAX3M33
12	TWAX2M27	TWAX2M27	TWAX3M30	TWAX3M33
15	TWAX2M27	TWAX3M30	TWAX3M33	TWAX4M38
20	TWAX2M27	TWAX3M30	TWAX4M38	TWAX5M43
25	TWAX3M30	TWAX3M33	TWAX5M43	TWAX5M43
30	TWAX3M33	TWAX4M38	TWAX5M43	TWAX5M48
40	TWAX4M38	TWAX5M43	TWAX5M48	TWAX6M60
50	TWAX4M38	TWAX5M43	TWAX6M60	TWAX6M60

TWAX Series Selector Chart - Instrumentation Cables

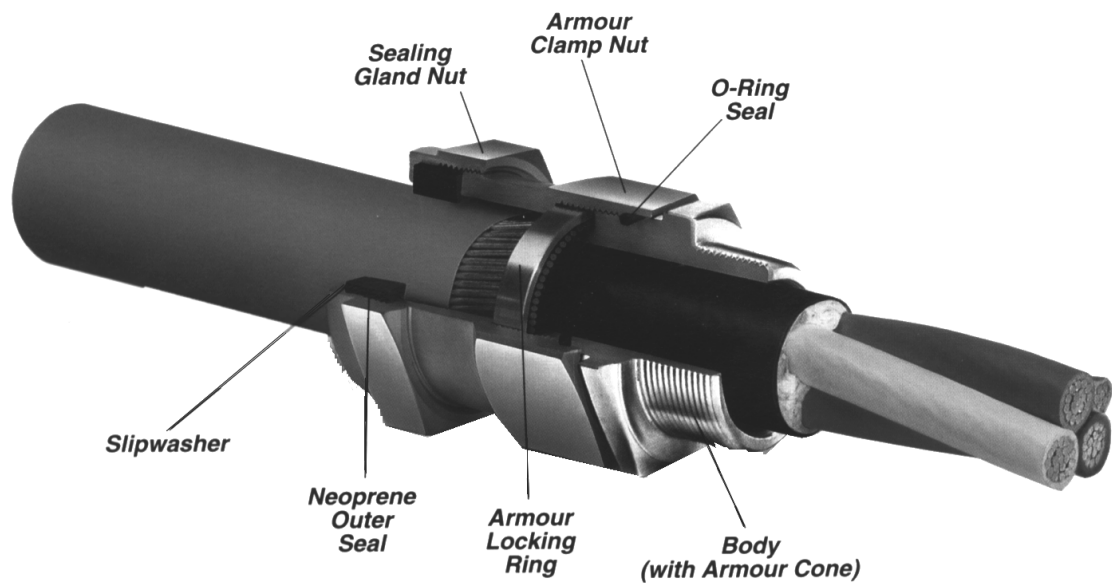
Note: Selection tables are provided as a guide only. Actual sizes may vary according to the differences in each manufacturers cable dimensions.

No. of Pairs	Overall Screened		Individually Screened	
	0.5 mm ²	1.5mm ²	0.5mm ²	1.5mm ²
2	TWAX1M13	TWAX1M16	TWAX1M16	TWAX1M20
4	TWAX1M16	TWAX1M20	TWAX1M20	TWAX2M24
6	TWAX1M20	TWAX2M24	TWAX1M20	TWAX2M27
8	TWAX1M20	TWAX2M24	TWAX2M24	TWAX2M27
10	TWAX1M20	TWAX2M24	TWAX2M24	TWAX3M30
12	TWAX2M24	TWAX2M27	TWAX2M24	TWAX3M33
16	TWAX2M24	TWAX3M30	TWAX2M27	TWAX4M38
20	TWAX2M27	TWAX3M33	TWAX3M30	TWAX5M43
24	TWAX2M27	TWAX4M38	TWAX3M30	TWAX5M43
36	TWAX3M30	TWAX5M43	TWAX4M38	TWAX5M52
50	TWAX4M38	TWAX5M52	TWAX5M43	TWAX6M65
No. of Triples				
4	TWAX1M20	TWAX1M20	TWAX1M20	TWAX2M24
12	TWAX2M24	TWAX3M30	TWAX2M27	TWAX3M30
16	TWAX2M27	TWAX3M33	TWAX3M30	TWAX3M33
36	TWAX4M38	TWAX5M48	TWAX5M43	TWAX5M48

TERMINATOR™
Cable Glands
TWAE Series

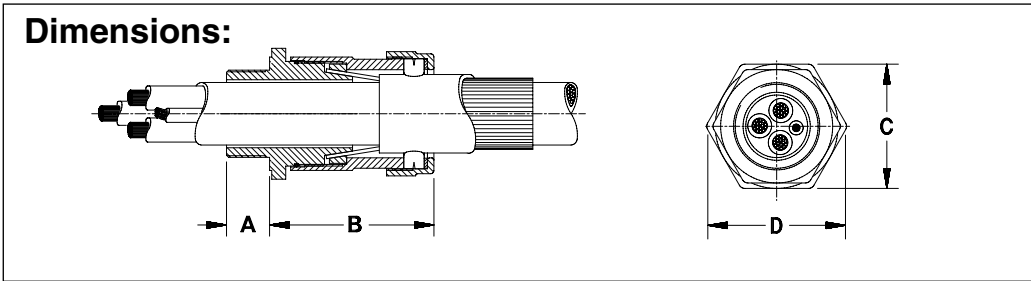
Increased Safety, Exe, IIC, IP66/67
Zone 1
Combustible Dust
Zone 21 & 22

2 Fittings



The TWAE cable gland is designed for easy installation in Zone 1, Exe, Group IIC and Zone 21 & 22 hazardous locations. In addition to the neoprene seal over the cable jacket, it has an integral O-ring seal and a captive sealing gasket on the gland body to ensure the IP rating of the Exe enclosure is automatically maintained.

Gland Size Data				Cable Range Detail					Gland Size Data			
Terminator Selection	Entry Size	Terminator Selection	Entry Size	Actual Diameter				Wire Armour Diameter	Approx.		Hexagon Size	
									Entry Length	Proj. Length	Across Flats	Across Corners
				Under Armour	Overall		A mm		B mm	C mm	D mm	
Catalogue Number	Metric	Catalogue Number	NPT	Min mm	Max mm	Min mm	Max mm	Min / Max mm	A mm	B mm	C mm	D mm
TWAE1M16	20	TWAE1N16	1/2"	6.0	11.0	10.2	15.8	0.9 / 1.25	14.0	58.0	27.0	31.0
TWAE1M20	20	TWAE1N20	1/2"	7.0	13.0	14.0	20.8	0.9 / 1.25	14.0	58.0	30.4	34.0
TWAE2M27	25	TWAE2N27	3/4"	11.0	19.0	18.0	27.2	1.25 / 1.6	16.0	60.0	38.5	43.0
TWAE3M34	32	TWAE3N34	1"	17.0	25.0	25.0	33.5	1.6 / 2.0	20.0	72.0	47.2	53.0
TWAE4M40	40	TWAE4N40	1 1/4"	24.0	31.0	30.0	39.5	1.6 / 2.0	20.0	74.0	55.0	62.0
TWAE5M53	50	TWAE5N53	1 1/2"	30.0	41.0	36.0	52.6	2.0 / 2.5	20.0	82.0	70.0	78.0
TWAE6M66	63	TWAE6N66	2"	40.0	54.0	51.0	65.3	2.0 / 2.5	22.0	90.0	80.0	88.0
TWAE7M78	75	TWAE7N78	2 1/2"	53.0	65.0	63.0	78.0	2.5 / 3.5	22.0	98.0	101.0	112.0



TWAE Series Selector Chart - Power Cables

CSA mm ²	2 Core Plus Earth	3 Core Plus Earth	3 1/2 Core Plus Earth	4 Core Plus Earth
1.5	TWAE1M16	TWAE1M20		TWAE1M20
2.5	TWAE1M20	TWAE1M20		TWAE1M20
4	TWAE1M20	TWAE1M20		TWAE2M27
6	TWAE1M20	TWAE2M27		TWAE2M27
10	TWAE2M27	TWAE2M27		TWAE2M27
16	TWAE2M27	TWAE3M34		TWAE3M34
25	TWAE3M34	TWAE3M34	TWAE3M34	TWAE4M40
35	TWAE3M34	TWAE4M40	TWAE4M40	TWAE4M40
50	TWAE4M40	TWAE4M40	TWAE5M53	TWAE5M53
70		TWAE5M53	TWAE5M53	TWAE5M53
95		TWAE5M53	TWAE5M53	TWAE6M66
120		TWAE6M66	TWAE6M66	TWAE6M66
150		TWAE6M66	TWAE6M66	TWAE6M66
185		TWAE6M66	TWAE7M78	TWAE7M78
240		TWAE7M78	TWAE7M78	
300		TWAE7M78	TWAE7M78	

TWAE Series Selector Chart - Control Cables

No. of Cores	CSA 1.5mm ²	CSA 2.5mm ²	CSA 4mm ²	CSA 6mm ²
5	TWAE1M20	TWAE1M20	TWAE2M27	TWAE2M27
6	TWAE1M20	TWAE1M20	TWAE2M27	TWAE2M27
7	TWAE1M20	TWAE2M27	TWAE2M27	TWAE3M34
8	TWAE2M27	TWAE2M27	TWAE3M34	TWAE3M34
9	TWAE2M27	TWAE2M27	TWAE3M34	TWAE3M34
10	TWAE2M27	TWAE2M27	TWAE3M34	TWAE3M34
12	TWAE2M27	TWAE2M27	TWAE3M34	TWAE4M40
15	TWAE2M27	TWAE3M34	TWAE3M34	TWAE4M40
20	TWAE3M34	TWAE3M34	TWAE4M40	TWAE5M53
25	TWAE3M34	TWAE3M34	TWAE5M53	TWAE5M53
30	TWAE3M34	TWAE4M40	TWAE5M53	TWAE5M53
40	TWAE4M40	TWAE5M53	TWAE5M53	TWAE6M66
50	TWAE4M40	TWAE5M53	TWAE6M66	TWAE6M66

TWAE Series Selector Chart - Instrumentation Cables

Note: Selection tables are provided as a guide only. Actual sizes may vary according to the differences in each manufacturers cable dimensions.

No. of Pairs	Overall Screened		Individually Screened	
	0.5 mm ²	1.5mm ²	0.5mm ²	1.5mm ²
2	TWAE1M16	TWAE1M16	TWAE1M16	TWAE1M20
4	TWAE1M16	TWAE1M20	TWAE1M16	TWAE2M27
6	TWAE1M20	TWAE2M27	TWAE1M20	TWAE2M27
8	TWAE1M20	TWAE2M27	TWAE1M20	TWAE3M34
10	TWAE1M20	TWAE2M27	TWAE2M27	TWAE3M34
12	TWAE2M27	TWAE3M34	TWAE2M27	TWAE3M34
16	TWAE2M27	TWAE3M34	TWAE3M34	TWAE4M40
20	TWAE2M27	TWAE4M40	TWAE3M34	TWAE4M40
24	TWAE3M34	TWAE4M40	TWAE3M34	TWAE5M53
36	TWAE3M34	TWAE5M53	TWAE4M40	TWAE5M53
50	TWAE4M40	TWAE5M53	TWAE5M53	TWAE6M66
No. of Triples				
4	TWAE1M20	TWAE2M27	TWAE1M20	TWAE2M27
12	TWAE2M27	TWAE3M34	TWAE3M34	TWAE3M34
16	TWAE3M34	TWAE4M40	TWAE3M34	TWAE4M40
36	TWAE4M40	TWAE5M53	TWAE5M53	TWAE5M53

TERMINATOR™
Cable Glands
TWA Series

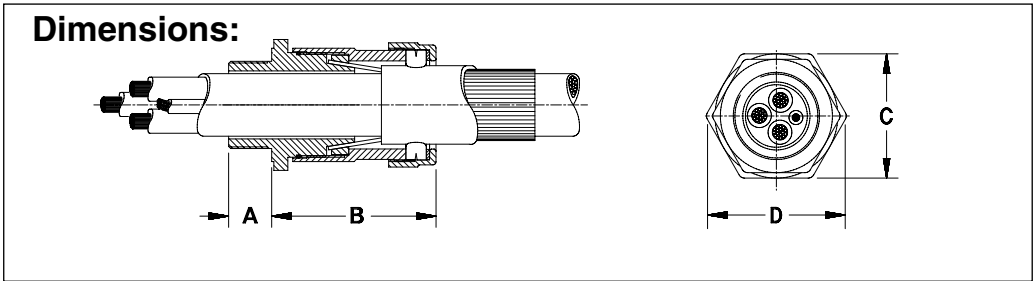
Weatherproof
IP66/67

2 Fittings



The TWA cable gland is designed for easy installation for indoor or outdoor locations, wet locations and industrial environments. In addition to the neoprene seal over the cable jacket, it also has an integral O-ring seal to provide for IP66/67 installations.

Gland Size Data				Cable Range Detail					Gland Size Data			
Terminator Selection	Entry Size	Terminator Selection	Entry Size	Actual Diameter				Wire Armour Diameter	Approx.		Hexagon Size	
				Under Armour		Overall			Entry Length	Proj. Length	Across Flats	Across Corners
				Catalogue Number	Metric	Catalogue Number	NPT	Min mm				
TWA1M13	20	TWA1N13	1/2"	3.0	8.0	8.0	13.0	0.5 / 0.9	14.0	56.0	27.0	31.0
TWA1M16	20	TWA1N16	1/2"	6.0	11.0	10.2	15.8	0.9 / 1.25	14.0	58.0	27.0	31.0
TWA1M20	20	TWA1N20	1/2"	7.0	13.0	14.0	20.8	0.9 / 1.25	14.0	58.0	30.4	34.0
TWA2M27	25	TWA2N27	3/4"	11.0	19.0	18.0	27.2	1.25 / 1.6	16.0	60.0	38.5	43.0
TWA3M34	32	TWA3N34	1"	17.0	25.0	25.0	33.5	1.6 / 2.0	20.0	72.0	47.2	53.0
TWA4M40	40	TWA4N40	1 1/4"	24.0	31.0	30.0	39.5	1.6 / 2.0	20.0	74.0	57.0	64.0
TWA5M53	50	TWA5N53	1 1/2"	30.0	41.0	36.0	52.6	2.0 / 2.5	20.0	82.0	70.0	78.0
TWA6M66	63	TWA6N66	2"	40.0	54.0	51.0	65.3	2.0 / 2.5	22.0	90.0	80.0	88.0
TWA7M78	75	TWA7N78	2 1/2"	53.0	65.0	63.0	78.0	2.5 / 3.5	22.0	98.0	101.0	112.0



TWA Series Selector Chart - Power Cables

CSA mm ²	2 Core Plus Earth	3 Core Plus Earth	3 1/2 Core Plus Earth	4 Core Plus Earth
1.5	TWA1M16	TWA1M20		TWA1M20
2.5	TWA1M20	TWA1M20		TWA1M20
4	TWA1M20	TWA1M20		TWA2M27
6	TWA1M20	TWA2M27		TWA2M27
10	TWA2M27	TWA2M27		TWA2M27
16	TWA2M27	TWA3M34		TWA3M34
25	TWA3M34	TWA3M34	TWA3M34	TWA4M40
35	TWA3M34	TWA4M40	TWA4M40	TWA4M40
50	TWA4M40	TWA4M40	TWA5M53	TWA5M53
70		TWA5M53	TWA5M53	TWA5M53
95		TWA5M53	TWA5M53	TWA6M66
120		TWA6M66	TWA6M66	TWA6M66
150		TWA6M66	TWA6M66	TWA6M66
185		TWA6M66	TWA7M78	TWA7M78
240		TWA7M78	TWA7M78	
300		TWA7M78	TWA7M78	

2
Fittings

TWA Series Selector Chart - Control Cables

No. of Cores	CSA 1.5mm ²	CSA 2.5mm ²	CSA 4mm ²	CSA 6mm ²
5	TWA1M20	TWA1M20	TWA2M27	TWA2M27
6	TWA1M20	TWA1M20	TWA2M27	TWA2M27
7	TWA1M20	TWA2M27	TWA2M27	TWA3M34
8	TWA2M27	TWA2M27	TWA3M34	TWA3M34
9	TWA2M27	TWA2M27	TWA3M34	TWA3M34
10	TWA2M27	TWA2M27	TWA3M34	TWA3M34
12	TWA2M27	TWA2M27	TWA3M34	TWA4M40
15	TWA2M27	TWA3M34	TWA3M34	TWA4M40
20	TWA3M34	TWA3M34	TWA4M40	TWA5M53
25	TWA3M34	TWA3M34	TWA5M53	TWA5M53
30	TWA3M34	TWA4M40	TWA5M53	TWA5M53
40	TWA4M40	TWA5M53	TWA5M53	TWA6M66
50	TWA4M40	TWA5M53	TWA6M66	TWA6M66

TWA Series Selector Chart - Instrumentation Cables

Note: Selection tables are provided as a guide only. Actual sizes may vary according to the differences in each manufacturers cable dimensions.

No. of Pairs	Overall Screened		Individually Screened	
	0.5mm ²	1.5mm ²	0.5mm ²	1.5mm ²
2	TWA1M16	TWA1M16	TWA1M16	TWA1M20
4	TWA1M16	TWA1M20	TWA1M16	TWA2M27
6	TWA1M20	TWA2M27	TWA1M20	TWA2M27
8	TWA1M20	TWA2M27	TWA1M20	TWA3M34
10	TWA1M20	TWA2M27	TWA2M27	TWA3M34
12	TWA2M27	TWA3M34	TWA2M27	TWA3M34
16	TWA2M27	TWA3M34	TWA3M34	TWA4M40
20	TWA2M27	TWA4M40	TWA3M34	TWA4M40
24	TWA3M34	TWA4M40	TWA3M34	TWA5M53
36	TWA3M34	TWA5M53	TWA4M40	TWA5M53
50	TWA4M40	TWA5M53	TWA5M53	TWA6M66
No. of Triples				
4	TWA1M20	TWA2M27	TWA1M20	TWA2M27
12	TWA2M27	TWA3M34	TWA3M34	TWA3M34
16	TWA3M34	TWA4M40	TWA3M34	TWA4M40
36	TWA4M40	TWA5M53	TWA5M53	TWA5M53

TERMINATOR™
Cable Glands
TUA Series

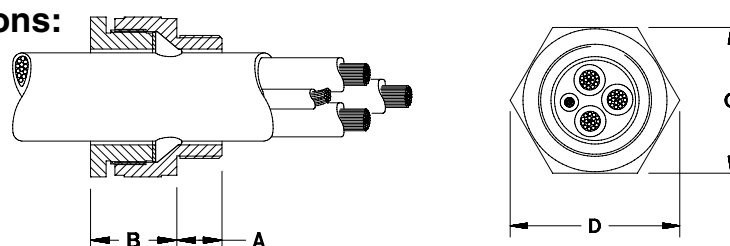
Weatherproof
IP66/67



The TUA cable gland is designed for easy installation for indoor or outdoor locations, wet locations and industrial environments.

Gland Size Data						Gland Size Data			
Terminator Selection	Entry Size	Terminator Selection	Entry Size	Cable Overall Diameter		Approx.		Hexagon Size	
						Entry Length	Proj. Length	Across Flats	Across Corners
Catalogue Number	Metric	Catalogue Number	NPT	Min mm	Max mm	A mm	B mm	C mm	D mm
TUA16M7	16	N/A	N/A	4.0	7.5	10.0	18.0	19.0	22.0
TUA1M10	20	TUA1N10	1/2"	7.0	10.0	10.0	18.0	23.3	27.0
TUA1M12	20	TUA1N12	1/2"	9.0	12.0	10.0	18.0	23.3	27.0
TUA1M15	20	TUA1N15	3/4"	12.0	15.0	12.0	20.0	27.7	32.0
TUA2M18	25	TUA2N18	3/4"	15.0	18.0	12.0	28.0	33.3	38.0
TUA3M23	32	TUA3N23	1"	18.0	22.0	22.0	27.0	37.6	43.0
TUA3M25	32	TUA3N25	1"	23.0	25.0	14.0	27.0	42.0	48.0
TUA4M29	40	TUA4N29	1 1/4"	25.0	29.0	14.0	30.0	47.6	55.0
TUA5M34	50	TUA5N34	1 1/2"	29.0	34.0	14.0	33.0	55.0	63.0
TUA5M38	50	TUA5N38	1 1/2"	34.0	38.0	14.0	33.0	63.5	73.0
TUA5M42	50	TUA5N42	2"	38.0	42.0	14.0	34.0	63.5	73.0
TUA6M48	63	TUA6N48	2"	42.0	48.0	16.0	34.0	75.5	81.0
TUA6M54	63	TUA7N54	2 1/2"	48.0	54.0	16.0	35.0	80.0	92.0
TUA7M60	75	TUA7N60	2 1/2"	54.0	60.0	18.0	33.0	80.0	92.0
TUA7M66	75	TUA8N66	3"	60.0	66.0	18.0	33.0	88.9	102.5

Dimensions:



TERMINATOR™

Cable Glands

CH Series

Weatherproof

IP66/67

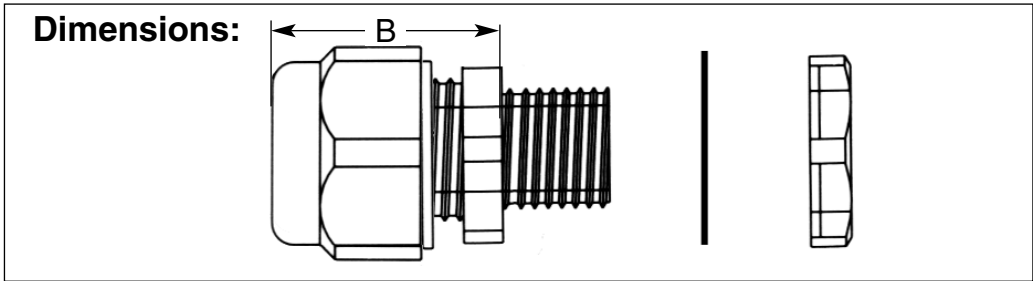
2

Fittings



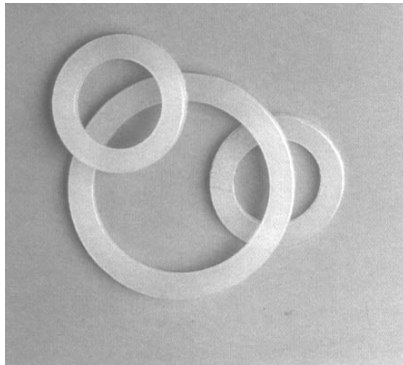
Th CH, IP68 nylon cable gland is designed for easy termination of unarmoured cables.

Gland Data Size		Cable Range Detail		Gland Size Data	
Terminator Selection	Entry Size	Cable Overall Diameter		Approx.	
				Entry	Proj.
				Length	Length
Catalogue Number	Metric	Min mm	Max mm	A mm	B mm
CH12	12	3.0	6.5	7.9	19.3
CH16	16	5.0	10.0	14.4	23.9
CH20	20	10.0	14.0	12.8	28.2
CH25	25	13.0	18.0	13.9	32.1
CH32	32	18.0	25.0	14.6	36.2
CH40	40	22.0	32.0	17.7	43.1
CH50	50	30.0	38.0	17.3	44.3
CH63	63	34.0	44.0	18.6	50.7

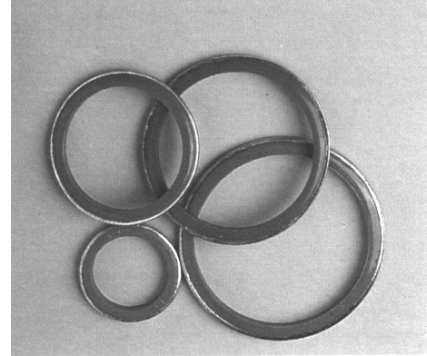


Sealing Gaskets

Sealing Gaskets are required to maintain the IP rating of an enclosure
Sealing Gaskets should be installed outside the enclosure between the gland face and the enclosure



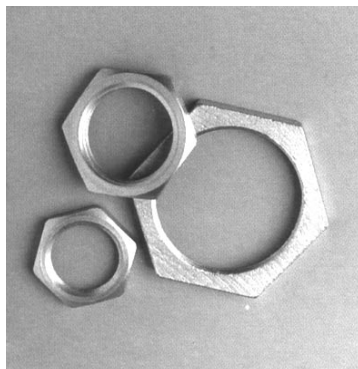
Metric Entry Diameter mm	Cat. No.	NPT Entry Diameter inch	Cat. No.
20	SGM1	1/2"	SGN1
25	SGM2	3/4"	SGN2
32	SGM3	1"	SGN3
40	SGM4	1 1/4"	SGN4
50	SGM5	1 1/2"	SGN5
63	SGM6	2"	SGN6
75	SGM7	2 1/2"	SGN7
80	SGM8	3"	SGN8



Locknuts

Locknuts are used to secure cable glands to the enclosures when slip holes are used
Locknuts are installed inside the enclosure

Metric Entry Diameter mm	Cat. No.
20	LNM1
25	LNM2
32	LNM3
40	LNM4
50	LNM5
63	LNM6
75	LNM7
80	LNM8



NPT Entry Diameter inch	Cat. No.
1/2"	LNN1
3/4"	LNN2
1"	LNN3
1 1/4"	LNN4
1 1/2"	LNN5
2"	LNN6
2 1/2"	LNN7
3"	LNN8

Epoxy Sealing Compound

Epoxy sealing compound is supplied with each fitting. Additional sealing compound may be ordered separately.

Cat.No.TSCA0.5-15gms-10 per carton
Cat.No.TSCA1-30gms-10 per carton
Cat.No.TSCA4-120gms-5 per carton

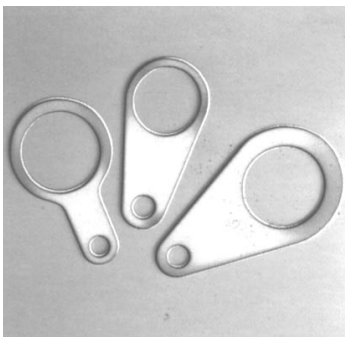


Shrouds

Shrouds are used to protect the cable termination from dirt and moisture

Earth Tags

Earth Tags are used when it is necessary to connect an earth wire to the cable gland to maintain the earth continuity



Metric Entry Diameter mm	NPT Entry Diameter inch	Cat. No.
20	1/2"	ET1
25	3/4"	ET2
32	1"	ET3
40	1 1/4"	ET4
50	1 1/2"	ET5
63	2"	ET6
75	2 1/2"	ET7
80	3"	ET8



Part No	To Suit Gland				
SH1	TUA1M10 TUA1M12 TUA1M15	TWA1M13		TWAX1M13	
SH2		TWA1M16	TWAE1M16	TWAX1M16	TWAB1M16 TWAB1M20
SH3		TWA1M20	TWAE1M20	TWAX1M20	
SH4	TUA2M18			TWAX2M24	
SH5	TUA3M23	TWA2M27	TWAE2M27	TWAX2M27	TWAB2M27
SH6	TUA3M25			TWAX3M30	
SH7		TWA3M34	TWAE3M34	TWAX3M33	TWAB3M34
SH8	TUA5M34	TWA4M40	TWAE4M40	TWAX4M38 TWAX5M43	TWAB4M40
SH9	TUA5M38 TUA5M42			TWAX5M48	
SH10	TUA6M48			TWAX5M52	TWAB5M53
SH11		TWA5M53	TWAE5M53	TWAX6M60 TWAX6M65	TWAB6M66
SH12	TUA6M54 TUA7M60	TWA6M66	TWAE6M66	TWAX7M71	
SH13	TUA7M66				
SH14		TWA7M78	TWAE7M78	TWAX7M78	TWAB7M78

GUA Junction Boxes

Flameproof, Exd IIC, IP66/67
Zone 1

Application:

GUA series junction boxes are installed within hazardous area wiring systems to:

- Act as pull and junction boxes
- Interconnect lengths of cable and conduit
- Change direction of conduit
- Provide access to conductors for maintenance and future system changes
- Act as mounting outlets for fixtures (with appropriate covers)

Features:

- GUA junction boxes have
- Threaded cover openings
- Eight different entry arrangements
- Smooth integral entry bushing to protect conductor insulation when pulling
- Other extension covers available ... see under "Covers for GUA Junction Boxes"
- "O" Ring Weatherproof seal supplied as standard
- Available with metric and NPT threads

Standard Materials:

- Body and cover...copper free aluminium

Standard Finishes:

- Natural

Size Ranges:

- Conduit 20mm to 50mm
NPT 1/2" to 2"
- Cover opening 76mm - Size 6
Body; 125mm - Size 9 Body

Compliances:

- AS2380 Electrical equipment for explosive atmospheres - Flameproof enclosure
- AS1939 Degrees of Protection IP66/67
- Certificate of Compliance Nos. Ex319 and Ex455



2 Fittings

Ordering Information:

Catalogue number make-up:

GUA <u>Product Identifier</u> GUA - Junction Box Exd	X <u>Entry Configuration</u> B - 1 Back & 1 Side C - 2 Side @ 180° L - 2 Side @ 90° T - 3 Side @ 90° X - 4 Side @ 90°	A	1 <u>Entry Size</u>	6 <u>Body Size Opening</u> 6 - 76mm 9 - 125mm	M <u>Thread Type</u> M - Metric N - NPT B - BSP
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Code	Metric	NPT
1 -	M20	1/2"
2 -	M25	3/4"
3 -	M32	1"
4 -	M40	1 1/4"
5 -	M50	1 1/2"

Ordering Information



Note: NPT & Metric conduit entries are denoted by an N or M respectively, as shown at end of catalogue number.

**GUALA 2 entries**

Entry Size	Cover Opening Dia.	Body Size	Cat. No.
20mm	76mm	6	GUALA16M
25mm	76mm	6	GUALA26M
25mm	125mm	9	GUALA29M
32mm	125mm	9	GUALA39M
40mm	125mm	9	GUALA49M
50mm	125mm	9	GUALA59M
1/2" NPT	76mm	6	GUALA16N
3/4" NPT	76mm	6	GUALA26N

GUACA 2 entries

Entry Size	Cover Opening Dia.	Body Size	Cat.. No.
20mm	76mm	6	GUACA16M
25mm	76mm	6	GUACA26M
25mm	125mm	9	GUACA29M
32mm	125mm	9	GUACA39M
40mm	125mm	9	GUACA49M
50mm	125mm	9	GUACA59M
1/2" NPT	76mm	6	GUACA16N
3/4" NPT	76mm	6	GUACA26N

**GUATA 3 entries**

Entry Size	Cover Opening Dia.	Body Size	Cat. No.
20mm	76mm	6	GUATA16M
25mm	76mm	6	GUATA26M
25mm	125mm	9	GUATA29M
32mm	125mm	9	GUATA39M
40mm	125mm	9	GUATA49M
50mm	125mm	9	GUATA59M
1/2" NPT	76mm	6	GUATA16N
3/4" NPT	76mm	6	GUATA26N

**GUAXA 4 entries**

Entry Size	Cover Opening Dia.	Body Size	Cat. No.
20mm	76mm	6	GUAXA16M
25mm	76mm	6	GUAXA26M
25mm	125mm	9	GUAXA29M
32mm	125mm	9	GUAXA39M
40mm	125mm	9	GUAXA49M
50mm	125mm	9	GUAXA59M
1/2" NPT	76mm	6	GUAXA16N
3/4" NPT	76mm	6	GUAXA26N