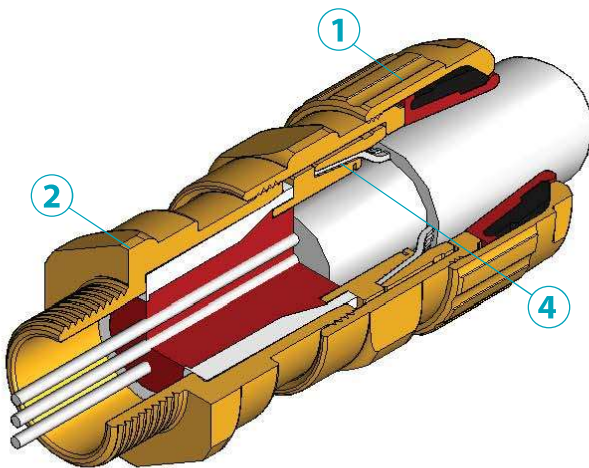
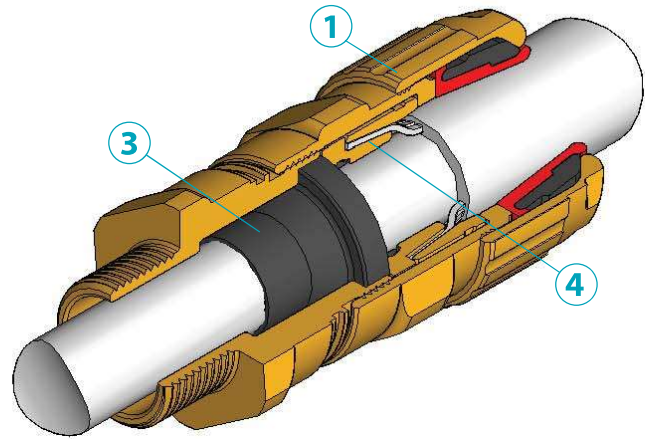


Cable Glands - Group I Mining



653 UNIVERSAL**453 UNIVERSAL****1 Unique Rear Sealing System**

This arrangement offers IP66, IP67, IP68 (30 metres for 7 days), NEMA 4X and Deluge (DTS01) Ingress Protection. The seal is manufactured from a silicone material, has LSFZH properties, is ozone and oil resistant and is suitable for use at both high and low temperatures. The Rear Sealing System covers the entire range of cable diameters without the need for special seals and the cable acceptance range is stamped on the backnut for ease of inspection. The backnut can be hand tightened, with only one further spanner turn required to ensure IP66, IP67, IP68 and NEMA 4X.

2 Unique Inspectable Compound Chamber

The revolutionary Hawke compound chamber has been designed with inspectability in mind. The pre-lubricated compound chamber can be removed once the compound has fully cured, allowing full inspection of the flameproof seal. If required, minor surface voids can be repaired in-situ. This unique patented compound chamber now forms the compound as well as providing a flameproof seal.

3 Zero Cable Damage

The unique Hawke diaphragm sealing system does not damage cable which exhibit 'Cold Flow' characteristics. The diaphragm type seal is the only elastomeric seal to comply fully with IEC/EN 60079-14 and is therefore suitable on effectively filled 'cold flow' cables which would otherwise require barrier style cable glands. The Hawke diaphragm seal is also unique in that it is the only flameproof elastomeric seal that can be visually inspected in operation – a real benefit to inspectors.

4 The Original Reversible Armour Clamp

The original RAC clamping system was invented by Hawke over 10 years ago and is a well established proven performer in all conditions. Simply by reversing the clamping ring, the cable gland can adjust to accommodate all types of cable armour or braid. Unlike many of our competitors, the correct stamping orientation is marked clearly and backed up by the presence of a groove in the component. Hawke's RAC clamping system is also fully Inspectable when positioned on the cable.

Cable Glands

Mining

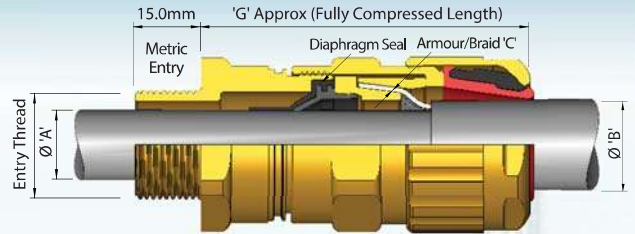
Flameproof Exd & Increased Safety Exe

Dual Certified ATEX / IECEx

453/UNIVERSAL

Application

- Mining.
- For use with single wire armour 'W'; wire braid 'X'; steel tape armour 'Z'; elastomer and plastic insulated cables.
- For particular use with:-
 - Cables that exhibit 'Cold Flow' characteristics.
- See technical section for installation rules and regulations.



CABLE GLAND SELECTION TABLE											
Size Ref.	Entry Thread Size		Cable Acceptance Details						'G'	Hexagon Dimensions	
	Metric	NPT * Standard or Option	Inner Sheath 'A'		Outer Sheath 'B'		Armour / Braid 'C'			Across Flats	Across Corners
			Min.	Max.	Min.	Max.	Orientation 1	Orientation 2			
Os	M20	½"	3.0	8.1	5.5	12.0	0.8 / 1.25	0.0 / 0.8	61.6	24.0	26.5
O	M20	½"	6.5	11.5	9.5	16.0	0.8 / 1.25	0.0 / 0.8	61.6	24.0	26.5
A	M20	¾" or ½"	8.4	14.3	12.5	20.5	0.8 / 1.25	0.0 / 0.8	63.0	30.0	32.5
B	M25	1" or ¾"	11.1	19.7	16.9	26.0	1.25 / 1.6	0.0 / 0.7	69.9	36.0	39.5
C	M32	1¼" or 1"	17.6	26.5	22.0	33.0	1.6 / 2.0	0.0 / 0.7	73.2	46.0	50.5
C2	M40	1½" or 1¼"	23.1	32.5	28.0	41.0	1.6 / 2.0	0.0 / 0.7	77.9	55.0	60.6
D	M50	2" or 1½"	28.9	44.4 / 42.3 ¹	36.0	52.6	1.8 / 2.5	0.0 / 1.0	93.5	65.0	70.8
E	M63	2½" or 2"	39.9	56.3 / 54.3 ¹	46.0	65.3	1.8 / 2.5	0.0 / 1.0	94.0	80.0	88.0
F	M75	3" or 2½"	50.5	68.2 / 65.3 ¹	57.0	78.0	1.8 / 2.5	0.0 / 1.0	101.0	95.0	104.0

All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard.

¹Smaller value is applicable when selecting reduced NPT entry option.

Technical Data

- Flameproof Exd and Increased Safety Exe I M2.
- Certificate No's: Baseefa08ATEX0330X and IECEx BAS 08.0114X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 371.

Features

- Provides armour clamping using one clamping arrangement for all armour / braid types.
- Provides a diaphragm seal on the cables inner sheath which will not damage cable that has 'Cold Flow' characteristics.
- Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- Brass NPT entries are nickel plated as standard.

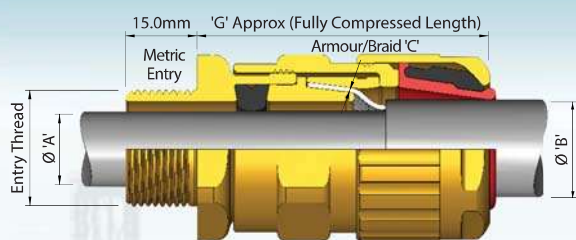
Alternative Reversible Armour Clamping Rings (RAC)

SELECTION TABLE		
Size Ref.	Steel Wire Armour / Braid / Tape	
	Orientation 1	Orientation 2
B	0.9 - 1.25	0.5 - 0.9
C	1.2 - 1.6	0.6 - 1.2
C2	1.2 - 1.6	0.6 - 1.2
D	1.45 - 1.8	1.0 - 1.45
E	1.45 - 1.8	1.0 - 1.45
F	1.45 - 1.8	1.0 - 1.45

Ordering Information

Format for ordering is as follows: Alternative Clamping Ring (AR), add suffix AR to ordering information.

Cable Gland Type	Size	Thread	(Optional)	Cable Gland Type	Size	Thread	(Optional)
453/UNIV	C	M32	AR	453/UNIV	C	1 ¼"NPT	AR



Application

- Mining.
- For use with single wire armour 'W', wire braid 'X', steel tape armour 'Z', elastomer and plastic insulated cables.
- See technical section for installation rules and regulations.

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details								'G'	Hexagon Dimensions	
	Metric	NPT * Standard or Option	Inner Sheath 'A'				Outer Sheath 'B'		Armour / Braid 'C'			Across Flats	Across Corners
			Standard Seal		Alternative Seal (S)		Min.	Max.	Orientation 1	Orientation 2			
			Min.	Max.	Min.	Max.							
Os	M20	½"	3.0	8.0	-	-	5.5	12.0	0.8 / 1.25	0.0 / 0.8	52.0	24.0	26.5
O	M20	½"	6.5	11.9	-	-	9.5	16.0	0.8 / 1.25	0.0 / 0.8	52.0	24.0	26.5
A	M20	¾" or ½"	10.0	14.3	8.5	13.4	12.5	20.5	0.8 / 1.25	0.0 / 0.8	53.0	30.0	32.5
B	M25	1" or ¾"	12.5	19.7	9.5	15.4	16.9	26.0	1.25 / 1.6	0.0 / 0.7	69.5	36.0	39.5
C	M32	1¼" or 1"	19.0	26.5	14.5	21.2	22.0	33.0	1.6 / 2.0	0.0 / 0.7	64.0	46.0	50.5
C2	M40	1½" or 1¼"	25.0	32.5	22.0	28.0	28.0	41.0	1.6 / 2.0	0.0 / 0.7	68.3	55.0	60.6
D	M50	2" or 1½"	31.5	44.4 / 42.3 ¹	27.5	34.8	36.0	52.6	1.8 / 2.5	0.0 / 1.0	79.0	65.0	70.8
E	M63	2½" or 2"	42.5	56.3 / 54.3 ¹	39.0	46.5	46.0	65.3	1.8 / 2.5	0.0 / 1.0	78.9	80.0	88.0
F	M75	3" or 2½"	54.5	68.2 / 65.3 ¹	48.5	58.3	57.0	78.0	1.8 / 2.5	0.0 / 1.0	83.7	95.0	104.0

All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard.

¹Smaller value is applicable when selecting reduced NPT entry option.

Technical Data

- Flameproof Exd and Increased Safety Exe $\text{Ex} \text{I M2}$.
- Certificate No's: Baseefa08ATEX0331X and IECEx BAS 08.0112X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 383.

Features

- Provides armour clamping using one clamping arrangement for all armour / braid types.
- Provides a seal onto the cables inner sheath.
- Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- Brass NPT entries are nickel plated as standard.

Alternative Reversible Armour Clamping Rings (RAC)

SELECTION TABLE

Size Ref.	Steel Wire Armour / Braid / Tape	
	Orientation 1	Orientation 2
B	0.9 - 1.25	0.5 - 0.9
C	1.2 - 1.6	0.6 - 1.2
C2	1.2 - 1.6	0.6 - 1.2
D	1.45 - 1.8	1.0 - 1.45
E	1.45 - 1.8	1.0 - 1.45
F	1.45 - 1.8	1.0 - 1.45

Ordering Information

Format for ordering is as follows: Alternative Clamping Ring (AR), add suffix AR to ordering information. Alternative Seal (S), add suffix S to ordering information.

Cable Gland Type	Size	Thread	(OPTIONAL)	Cable Gland Type	Size	Male Thread	(OPTIONAL)
453/RAC	C	M32	AR	453/RAC	C	1 ¼"NPT	AR
453/RAC	C	M32	S	453/RAC	C	1 ¼"NPT	S

Cable Glands Mining

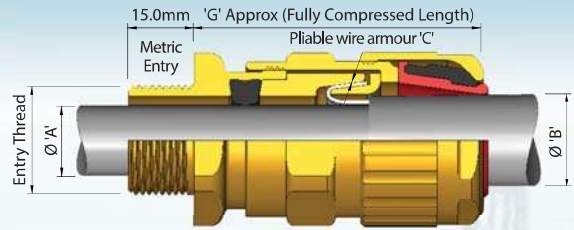
Flameproof Exd & Increased Safety Exe

Dual Certified ATEX / IECEx

453/T

Application

- Mining.
- For use with pliable wire armoured cables.
- See technical section for installation rules and regulations.



CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details							'G'	Hexagon Dimensions	
	Metric	NPT * Standard or Option	Inner Sheath 'A'				Outer Sheath 'B'		Pliable Wire Armour 'C'		Across Flats	Across Corners
			Standard Seal		Alternative Seal (S)		Min.	Max.				
			Min.	Max.	Min.	Max.	Min.	Max.				
Os	M20	1/2"	3.0	8.0	-	-	5.5	12.0	7 x 0.45	50.2	24.0	26.5
O	M20	1/2"	6.5	11.9	-	-	9.5	16.0	7 x 0.45	50.2	24.0	26.5
A	M20	3/4" or 1/2"	10.0	14.3	8.5	13.4	12.5	20.5	7 x 0.45	52.0	30.0	32.5
B	M25	1" or 3/4"	12.5	19.7	9.5	15.4	16.9	26.0	7 x 0.45	59.2	36.0	39.5
C	M32	1 1/4" or 1"	19.0	26.5	14.5	21.2	22.0	33.0	7 x 0.45	63.2	46.0	50.5
C2	M40	1 1/2" or 1 1/4"	25.0	32.5	22.0	28.0	28.0	41.0	7 x 0.71	68.7	55.0	60.6
D	M50	2" or 1 1/2"	31.5	44.4 / 42.3 ¹	27.5	34.8	36.0	52.6	7 x 0.71	86.1	65.0	70.8
E	M63	2 1/2" or 2"	42.5	56.3 / 54.3 ¹	39.0	46.5	46.0	65.3	7 x 1.25	82.2	80.0	88.0
F	M75	3" or 2 1/2"	54.5	68.2 / 65.3 ¹	48.5	58.3	57.0	78.0	7 x 1.25	87.0	95.0	104.0

All dimensions in millimetres (except * where dimensions are in inches). Os - F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

¹ Smaller value is applicable when selecting reduced NPT entry option.

Technical Data

- Flameproof Exd and Increased Safety Exe $\text{Ex} \text{I M2}$.
- Certificate No's: Baseefa08ATEX0331X and IECEx BAS 08.0112X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 381.

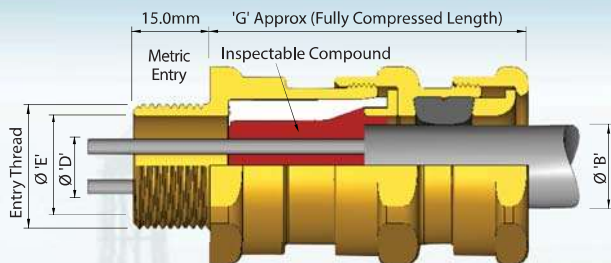
Features

- Provides armour clamping using one clamping arrangement.
- Provides a seal onto the cables inner sheath.
- Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- Brass NPT entries are nickel plated as standard.

Ordering Information

Format for ordering is as follows: Alternative Seal (S), add suffix S to ordering information.

Cable Gland Type	Size	Thread	(Optional)	Cable Gland Type	Size	Thread	(Optional)
453/T	C	M32	S	453/T	C	1 1/4" NPT	S



Application

- Mining.
- For use with non-armoured elastomer and plastic insulated cables.
- For particular use with:-
 - Cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers.
 - Cables that exhibit 'Cold Flow' characteristics.
 - Enclosures containing an ignition source.
- See technical section for installation rules and regulations.

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details							Hexagon Dimensions		
	Metric	NPT * Standard or Option	Inner Sheath / Cores			Outer Sheath 'B'				'G'	Across Flats	Across Corners
			Max. Over Cores 'D'	Max Inner Sheath 'E'	Max. No. of Cores	Standard Seal		Alternative Seal (S)				
						Min.	Max.	Min.	Max.			
Os	M20	½"	8.0	8.0	6	3.0	8.0	-	-	52.0	24.0	26.5
O	M20	½"	8.9	10.0	6	7.5	11.9	-	-	52.0	24.0	26.5
A	M20	¾" or ½"	11.0	12.5	10	11.0	14.3	8.5	13.4	53.0	30.0	32.5
B	M25	1" or ¾"	16.2	18.4	21	13.0	20.2	9.5	15.4	69.5	36.0	39.5
C	M32	1¼" or 1"	21.9	24.7	42	19.0	26.5	15.5	21.2	64.0	46.0	50.5
C2	M40	1½" or 1¼"	26.3	29.7	60	25.0	32.5	22.0	28.0	68.3	55.0	60.6
D	M50	2" or 1½"	37.1	41.7	80	31.5	44.4	27.5	34.8	79.0	65.0	70.8
E	M63	2½" or 2"	47.8	53.5	100	42.5	56.3	39.0	46.5	78.9	80.0	88.0
F	M75	3" or 2½"	59.0	66.2 / 65.3 ¹	120	54.5	68.2	48.5	58.3	83.7	95.0	104.0

All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

¹ Smaller value is applicable when selecting reduced NPT entry option.

Technical Data

- Flameproof Exd and Increased Safety Exe I M2.
- Certificate No's: Baseefa08ATEX0329X and IECEx BAS 08.0115X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 305.

Features

- Provides a barrier seal between the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable.
- Assembly of the cable gland compresses and distributes the compound evenly to create a barrier seal at the point of entry into the enclosure.
- The compound chamber may be separated from the cured compound to ensure that the chamber has been effectively filled. If required, external voids can be repaired.
- Provides a cable retention seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- Brass NPT entries are nickel plated as standard.

Ordering Information

Format for ordering is as follows: Alternative Seal (S), add suffix S to ordering information.

Cable Gland Type	Size	Thread	(OPTIONAL)	Cable Gland Type	Size	Thread	(OPTIONAL)
623	C	M32	S	623	C	1 ¼"NPT	S

Two part sealing compound and assembly instructions are supplied with the cable gland.

Cable Glands

Mining

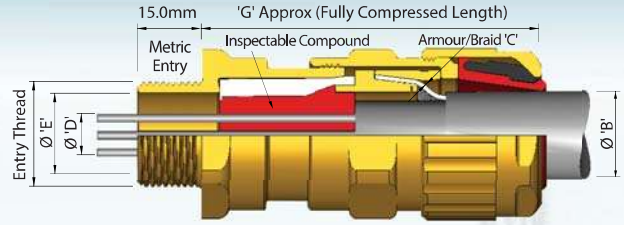
Flameproof Exd & Increased Safety Exe

Dual Certified ATEX / IECEx

653/UNIVERSAL

Application

- Mining.
- For use with single wire armour 'W', wire braid 'X', steel tape armour 'Z', elastomer and plastic insulated cables.
- For particular use with:-
 - Cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers.
 - Cables that exhibit 'Cold Flow' characteristics.
 - Enclosures containing an ignition source.
- See technical section for installation rules and regulations.



CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details							'G'	Hexagon Dimensions	
	Metric	NPT * Standard or Option	Inner Sheath / Cores			Outer Sheath 'B'		Armour / Braid 'C'			Across Flats	Across Corners
			Max. Over Cores 'D'	Max Inner Sheath 'E'	Max. No. of Cores	Min	Max	Orientation 1	Orientation 2			
Os	M20	1/2"	8.9	10.0	6	5.5	12.0	0.8 / 1.25	0.0 / 0.8	67.0	24.0	26.5
O	M20	1/2"	8.9	10.0	6	9.5	16.0	0.8 / 1.25	0.0 / 0.8	67.0	24.0	26.5
A	M20	3/4" or 1/2"	11.0	12.5	10	12.5	20.5	0.8 / 1.25	0.0 / 0.8	67.0	30.0	32.5
B	M25	1" or 3/4"	16.2	18.4	21	16.9	26.0	1.25 / 1.6	0.0 / 0.7	73.6	36.0	39.5
C	M32	1 1/4" or 1"	21.9	24.7	42	22.0	33.0	1.6 / 2.0	0.0 / 0.7	78.0	46.0	50.5
C2	M40	1 1/2" or 1 1/4"	26.3	29.7	60	28.0	41.0	1.6 / 2.0	0.0 / 0.7	82.4	55.0	60.6
D	M50	2" or 1 1/2"	37.1	41.7	80	36.0	52.6	1.8 / 2.5	0.0 / 1.0	88.7	65.0	70.8
E	M63	2 1/2" or 2"	47.8	53.5	100	46.0	65.3	1.8 / 2.5	0.0 / 1.0	92.7	80.0	88.0
F	M75	3" or 2 1/2"	59.0	66.2 / 65.3 ¹	120	57.0	78.0	1.8 / 2.5	0.0 / 1.0	99.4	95.0	104.0

All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

¹ Smaller value is applicable when selecting reduced NPT entry option.

Technical Data

- Flameproof Exd and Increased Safety Exe I M2.
- Certificate No's: Baseefa08ATEX0329X and IECEx BAS 08.0115X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 301.

Alternative Reversible Armour Clamping Rings (RAC)

Size Ref.	Steel Wire Armour / Braid / Tape	
	Orientation 1	Orientation 2
B	0.9 - 1.25	0.5 - 0.9
C	1.2 - 1.6	0.6 - 1.2
C2	1.2 - 1.6	0.6 - 1.2
D	1.45 - 1.8	1.0 - 1.45
E	1.45 - 1.8	1.0 - 1.45
F	1.45 - 1.8	1.0 - 1.45

Features

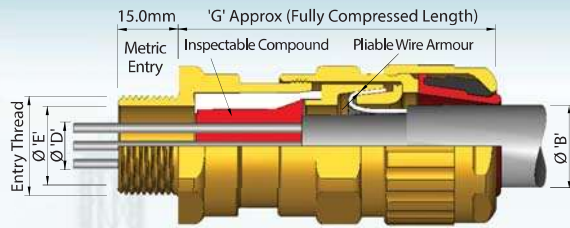
- Provides a barrier seal between the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable.
- Assembly of the cable gland compresses and distributes the compound evenly to create a barrier seal at the point of entry into the enclosure.
- The compound chamber may be separated from the cured compound to ensure that the chamber has been effectively filled. If required, external voids can be repaired.
- Provides armour clamping, using one clamping arrangement for all armour / braid types.
- Provides a cable retention seal and low smoke and fume, zero halogen seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- Brass NPT entries are nickel plated as standard.

Ordering Information

Format for ordering is as follows: Alternative Seal (AR), add suffix AR to ordering information.

Cable Gland Type	Size	Thread	(Optional)	Cable Gland Type	Size	Thread	(Optional)
653/UNIV	C	M32	AR	653/UNIV	C	1 1/4"NPT	AR

Two part sealing compound and assembly instructions are supplied with the cable gland.



Application

- Mining.
- For use with pliable wire armoured cable.
- For particular use with:-
 - Cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers.
 - Cables that exhibit 'Cold Flow' characteristics.
 - Enclosures containing an ignition source.
- See technical section for installation rules and regulations

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details						Hexagon Dimensions		
	Metric	NPT * Standard or Option	Inner Sheath / Cores			Outer Sheath 'B'		Pliable Wire Armour 'C'	'G'	Across Flats	Across Corners
			Max. Over Cores 'D'	Max Inner Sheath 'E'	Max. No. of Cores	Min.	Max.				
O	M20	1/2"	8.9	10.0	6	9.5	16.0	7 x 0.45	64.5	24.0	26.5
A	M20	3/4" or 1/2"	11.0	12.5	10	12.5	20.5	7 x 0.45	65.3	30.0	32.5
B	M25	1" or 3/4"	16.2	18.4	21	16.9	26.0	7 x 0.45	71.6	36.0	39.5
C	M32	1 1/4" or 1"	21.9	24.7	42	22.0	33.0	7 x 0.45	75.8	46.0	50.5
C2	M40	1 1/2" or 1 1/4"	26.3	29.7	60	28.0	41.0	7 x 0.71	82.7	55.0	60.6
D	M50	2" or 1 1/2"	37.1	41.7	80	36.0	52.6	7 x 0.71	92.1	65.0	70.8
E	M63	2 1/2" or 2"	47.8	53.5	100	46.0	65.3	7 x 1.25	92.9	80.0	88.0
F	M75	3" or 2 1/2"	59.0	66.2 / 65.3 ¹	120	57.0	78.0	7 x 1.25	99.0	95.0	104.0

All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

¹Smaller value is applicable when selecting reduced NPT entry option.

Technical Data

- Flameproof Exd and Increased Safety Exe (Ex) I M2.
- Certificate No's: Baseefa08ATEX0329X and IECEx BAS 08.0115X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 346.

Features

- Provides a barrier seal between the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable.
- Assembly of the cable gland compresses and distributes the compound evenly to create a barrier seal at the point of entry into the enclosure.
- The compound chamber may be separated from the cured compound to ensure that the chamber has been effectively filled. If required, external voids can be repaired.
- Provides armour clamping for pliable wire armour.
- Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- Brass NPT entries are nickel plated as standard.

Ordering Information

Format for ordering is as follows:

Cable Gland Type	Size	Thread	Cable Gland Type	Size	Thread
653/T	C	M32	653/T	C	1 1/4"NPT

Two part sealing compound and assembly instructions are supplied with the cable gland.

Accessories Mining

Flameproof Exd & Increased Safety Exe

Dual Certified ATEX / IECEx

Stopping Plug: M475 & M477

SELECTION TABLE		
Thread Size		Hex. Key across Flats Size 'V'
Metric x 1.5p	NPT *	
M20	1/2"	10.0
M25	3/4"	10.0
M32	1"	10.0
M40	1 1/4"	10.0
M50	1 1/2"	10.0
M63	2" or 1 1/2"	10.0
M75	3"	10.0

All dimensions in millimetres (except * where dimensions are in inches).

Ordering Information

Format for ordering is as follows:

Stopping Plug Type	Size
M475	M32

Application

- Mining.
- See technical section for installation rules and regulations

Features

- To close unused cable gland entries and maintain the flameproof integrity of the equipment.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- M475 is fitted from the outside of the enclosure.
- M477 is fitted from the inside of the enclosure.

Technical Data

- Flameproof Exd & Increased Safety Exe I M2.
- Certificate No's: Sira 06ATEX1240U.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/E60079-1 and IEC/EN 60079-7.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 379.
- Alternative certification options available: GOST R-Exe IIIU

SELECTION TABLE									
Size Ref.	Flange Dimensions								
	K	L	M	N	P	R	S	T	U
O	44.4	12.7	19.05	26.1	6.7	11.1	7.0	30	70.0
A	44.4	12.7	19.05	26.1	6.7	11.1	7.0	30	70.0
B	57.1	12.7	25.40	26.1	6.7	11.1	7.0	36	82.5
C	69.8	14.3	31.75	27.7	9.1	15.1	8.7	46	98.4
C2	82.5	14.3	38.10	27.7	9.1	15.1	8.7	55	111.1
D	95.2	17.5	50.80	29.3	11.1	18.1	10.5	65	130.2
E	114.3	17.5	63.50	29.3	11.1	18.1	10.5	80	149.3
F	127.0	17.5	76.20	32.5	11.1	20.5	13.5	95	162.0

Size Ref.	Equipment Entry Hole Size	
	Max	Min
O / A	19.35	19.10
B	25.70	25.45
C	32.05	31.80
C2	38.40	38.15
D	51.10	50.85
E	63.80	63.55
F	76.50	76.25

All dimensions in millimetres.

Blanking Flange Type: 470

Application

- Mining.
- See technical section for installation rules and regulations

Features

- To close unused cable gland entries and maintain the flameproof integrity of the equipment.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.

Technical Data

- Flameproof Exd I M2.
- Certificate No's: Baseefa08ATEX0333U and IECEx BAS 08.0013U
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0 and IEC/EN 60079-1.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 345.
- Alternative certification options available: GOST R-Exe IIIU

Ordering Information

Format for ordering is as follows:

Blanking Flange Type	Size	Blanking Flange Type	Size
470	C	470	C