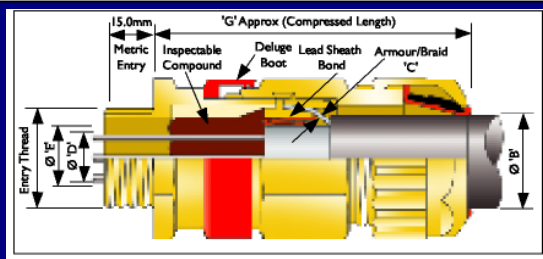


# HAWKE ICG 653/UNIV/L CABLE GLAND

EExd IIC Eexe II  
Increased Safety, Flameproof  
Zones 1 & 2, 21 & 22



CABLE GLAND SELECTION TABLE															
Size Ref.	Entry Thread Size		Cable Acceptance Details								'G'			Hexagon Dimensions	
			Inner Sheath/ Cores			Outer Sheath 'B'		'C' Armour/Braid						Across Flats	Across Corners
	Metric	NPT* Std./ Option	'D' Max. Over Cores	Min. Inner Sheath	Max. Inner Sheath	Max. No. Of Cores	Min.	Max.	Orientation 1	Orientation 2					
Os	M20	1/2"	8.5	4.0	8.5	6	5.5	12.0	0.9/1.25	0/0.7	72.8	24.0	27.7		
O	M20	1/2"	8.5	4.0	8.5	6	9.5	16.0	0.9/1.25	0/0.7	72.8	24.0	27.7		
A	M20	3/4"/1/2"	10.8	7.4	10.8	10	12.5	20.5	0.9/1.25	0/0.7	73.8	30.0	34.6		
B	M25	1"/3/4"	16.2	11.0	16.7	21	16.9	26.0	1.25/1.6	0/0.7	78.1	36.0	41.6		
C	M32	1 1/4"/1"	21.9	14.0	22.5	42	22.0	33.0	1.6/2.0	0/0.7	83.0	46.0	53.1		
C2	M40	1 1/2"/1 1/4"	26.3	21.0	28.5	60	28.0	41.0	1.6/2.0	0/0.7	84.1	55.0	63.5		
D	M50	2"/1 1/2"	37.1	27.0	40.0	80	36.0	52.6	1.8/2.5	0/1.0	91.3	65.0	75.1		
E	M63	2 1/2"/2"	47.8	39.0	52.0	100	46.0	65.3	1.8/2.5	0/1.0	101.8	80.0	92.4		
F	M75	3"/2 1/2"	59.0	51.0	63.8	120	57.0	78.0	1.8/2.5	0/1.0	101.2	95.0	109.6		

### Application

- Outdoor or Indoor use.
  - For use with single wire armoured 'W', wire braided 'X' and steel tape armoured 'Z', elastomer and plastic insulated cables with a lead inner sheath.
- For particular use with :-**
- a) Cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers.
  - b) Cables that exhibit "Cold Flow" characteristics.
  - c) Enclosures containing an ignition source in gas group II C areas or containing an ignition source in a Zone I area.
- See technical section of the catalogue for installation rules and regulations.

### 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 seal and an electrical bond on the cables lead inner sheath.
- Provides an outer deluge seal to prevent moisture ingress to the cable armour/braid.
- Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer sheath.

### Technical Data

- Flameproof EExd and Increased Safety EExe. **Ex** II 2 GD
- Baseefa Certificate No. BAS 01 ATEX 2080X.
- Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22.
- Suitable for use in Gas Groups IIA, IIB and IIC.
- Construction and test standards EN 50014, EN 50018, EN 50019 and EN 50281-1-1, IEC 60079-0, IEC 60079-1 and IEC 60079-7.
- IP66, IP67 and IP68 (30 metres for 7 days) ingress protection to IEC 60529, EN 60529 and NEMA 4X.
- DTS01 deluge protection certified by ITS.
- Operating temperature range -60°C to +80°C as standard.
- Alternative Certification Options Available.
  - Exd IIC/Exe II.
  - **CEPEL** BR-Exd IIC/Exe II.
  - **GOST** R-Exd IICU/Exe IIU.

### General Information

All Metric entry threads are 1.5mm pitch medium fit.  
All dimensions in millimetres (except\* where dimensions are in inches).  
Two part sealing compound and assembly instructions are supplied with the cable gland.  
Assembly instruction data sheet  
No. A.I. 301 + 336.

### Alternative Reversible Armour Clamping Rings (RAC)

Size Ref.	Steel Wire Armour/Braid/Tape	
	Orientation 1	Orientation 2
O/Os	0.8 - 1.0	0.4 - 0.8
A	0.8 - 1.0	0.4 - 0.8
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

Accessories including locknuts, sealing washers, serrated washers, earth tags, shrouds, adaptors and reducers available. See pages 44 - 48.

### Materials & Finishes

The ICG 653/Universal/L cable gland is manufactured as standard in brass, stainless steel and aluminium.  
NPT entries, nickel plated as standard. Full nickel plating available.

### Cable Gland Ordering Examples

#### Cable Gland Type/Size/Thread/Bond

e.g. ICG 653/UNIV/C/M32/L  
ICG 653/UNIV/C/1 1/4" NPT/L

#### Cable Gland with Alternative Clamping Ring (AR)

e.g. ICG 653/UNIV/C/M32/L/AR  
ICG 653/UNIV/C/1 1/4" NPT/L/AR

## Supplied by:

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