



# Assembly Instructions for cable gland: PSG 421

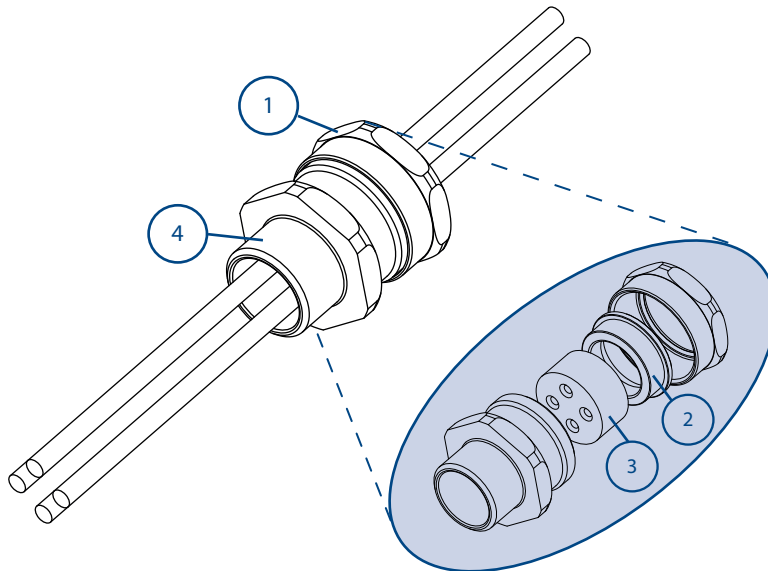
# HAWKE International

AI 482 / Issue B

Operating temperature range -60°C +80°C

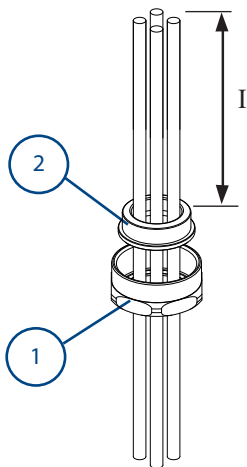
## Certification Details

Gland Type: PSG 421 Exdb IIC Gb, Exeb II Gb, Extb IIIC Db  
CML19ATEX1167  II 2 GD IP66   
IECEx CML 19.0045X



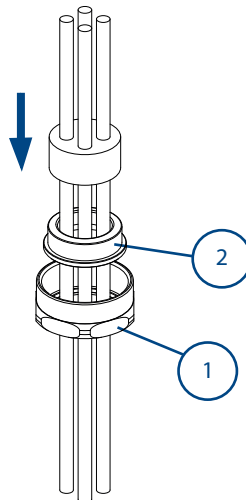
1. Backnut
2. Compression Spigot
3. Seal
4. Entry

## Cable Preparation

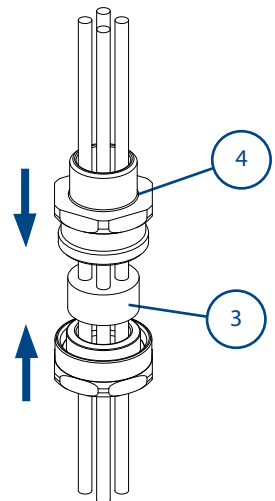


**A** Pull sufficient length 'I' of cable through cable gland to suit equipment.

## Gland Preparation



**B** Select the correct punch tool to suit conductor sizes (see table) and punch out the required number of holes in the seal using the indented positions as a guide. Pass the individual conductors through the appropriately sized punched holes in the seal ③ ensuring they are not twisted or kinked and slide down to compression spigot ②.



**C** Pass the conductors through the entry ④ which may have previously been fitted into the equipment. Locate seal ③ in the counter bore of the entry ④ by bringing the cable gland towards the equipment.

## Connection Solutions

Hawke International is a division of Hubbell Ltd.  
Registered No. 669157 in England. Registered Office:  
Cannon Place, 78 Cannon Street, London EC4N 6AF.



A member of the Hubbell Group of Companies

## www.ehawke.com

UK Office  
Oxford Street West,  
Ashton-Under-Lyne,  
Lancashire. OL7 0NA. UK

Sales: +44 (0) 161 830 6698  
Technical: +44 (0) 161 830 6697  
Fax: +44 (0) 161 830 6648  
E-mail: sales@ehawke.com

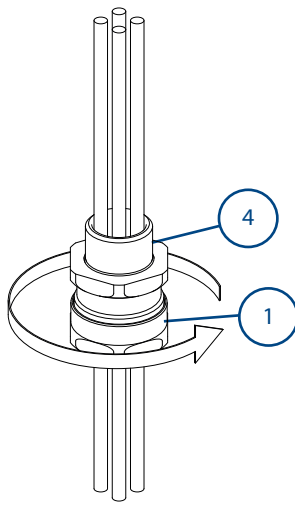
For any enquiries within EAC countries,  
please contact:

## MACDEM

P. O. Box 16, Moscow, 119571, Russia  
Tel / Fax: +7 595 778 1264  
Email: office@macdem.ru  
Website: www.macdem.ru

Images are for illustration  
purposes only.

Product supplied may differ  
slightly from that shown.



**D**  
Unless already screwed into the equipment, hold the entry ④ in position with a spanner/wrench to prevent rotation and tighten the backnut ① using a wrench/spanner until resistance is felt between the seal and cable. Then turn the back nut one full turn to complete the inner seal. Locate the shroud over the cable gland, if applicable.

#### SCHEDULE OF LIMITATIONS:

1. These cable gland types are only suitable for use with fixed apparatus, the cable for which must be effectively clamped and cleated elsewhere.
2. This cable gland has an operating temperature range of -60°C to +80°C.
3. A seal must be formed between the equipment and the cable gland to maintain the appropriate degree of protection against ingress of dust, solid objects and water.

#### ACCESSORIES:

Before cable gland assembly or stripping of the cable gland assembly, consideration should be given to any cable gland accessories that may be required, such as: -

- Shroud, to offer additional corrosion protection.
- Locknut, to secure cable glands into position.
- Sealing washer, to offer additional ingress protection of the enclosure at the cable gland entry.
- Earthtag, to provide an external armour/braid bonding point
- Serrated washer, to dampen any vibrations that may loosen the locknut or cable gland assembly.

#### CABLE GLAND SELECTION TABLE

Size Ref.	Male Entry Thread Size		Maximum Length	Hexagon Dimensions	
	Metric	NPT		Across Flats	Across Corners
O	M20	½" - ¾"	39	24.0	26.5
A	M20	½" - ¾"	38	30.0	32.5
B	M25	¾" - 1"	41	36.0	39.5
C	M32	1" - 1¼"	43	46.0	50.5

# Thread sizes specified with order

#### CABLE GLAND SIZE FOR CONDUCTOR

Maximum No. of Cores	Cores Cross Sectional Area mm <sup>2</sup>				
	1.5	2.5	4.0	6.0	10.0
7	A & B	A & B	B & C	C	C
4	O	-	-	B	-
3	-	O	-	-	B

#### PUNCH TOOL SIZE DETAILS

Punch Ref.	No.1	No.2	No.3
Core C.S.A. mm <sup>2</sup>	1.5 - 2.5	4.0 - 6.0	10.0

**EU Declaration of Conformity in accordance with European Directive 2014/34/EU**

**Manufacturer: Hawke International**

**Address: Oxford Street West, Ashton-under-Lyne, OL7 0NA, United Kingdom.**

**Equipment: Group II Compression Cable Glands Type: PSG 421**

**Provisions of the Directive fulfilled by the Equipment:** Group II Category 2GD Exeb IIC Gb, Exdb IIC Gb, Extb IIIC Db – IP66

**Notified Body for EU-Type Examination:** CML 2776 Chester UK

**EU-type Examination Certificate:** CML19ATEX1167X

**Notified Body for production:** SGS-Baseefa 1180 Buxton UK

**Harmonised Standards used:** EN 60079-0:2018, EN60079-1:2014, EN60079-7:2015, EN60079-31:2014

**On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.**

  
.....  
**A. Tindall**  
**Technical Manager**