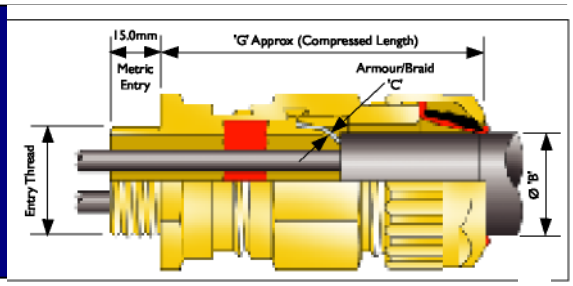
ATEX
Other Certifications available

HAWKE PSG 553/RAC 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	
			Outer Sheath 'B'		'C' Armour/Braid				
	Metric	NPT* Std./ Option	Min.	Max.	Orientation 1	Orientation 2		Across Flats	Across Corners
A	M20	¾"/½"	12.5	20.5	0.9/1.25	0/0.7	61.1	30.0	34.6
B	M25	1"/¾"	16.9	26.0	1.25/1.6	0/0.7	66.4	36.0	41.6
C	M32	1¼"/1"	22.0	33.0	1.6/2.0	0/0.7	70.2	46.0	53.1

CABLE GLAND SIZE FOR CORE SIZE & NUMBER

Maximum No. of Cores	Cores Cross Sectional Area mm²				
	1.5	2.5	4.0	6.0	10.0
7	A & B	A & B	B & C	C	C
4	-	-	-	B	-
3	-	-	-	-	B

PUNCH TOOL SIZE DETAILS

Punch Ref.	No.1	No.2	No.3
Core C.S.A. mm²	1.5 - 2.5	4.0 - 6.0	10.0

General Information

All Metric entry threads are 1.5mm pitch medium fit.
All dimensions in millimetres (except* where dimensions are in inches).
Assembly instruction data sheet No. A.I. 312.

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

Materials & Finishes

The PSG 553/RAC 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

e.g. PSG 553/RAC/C/M32
PSG 553/RAC/C/1¼" NPT

Punch Tool Ordering Example

e.g. Punch Tool Number 1.

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.

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 for gas group IIC, under 2 litres in volume and containing an ignition source.
d) Enclosures for gas groups IIA or IIB, which are greater than 2 litres in volume and contain an ignition source.

- See technical section of the catalogue for installation rules and regulations.

Features

- Provides a barrier seal to the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable.
- The required number of holes for the cores are punched in the seal by means of a special tool to suit the core size.
- Provides armour clamping using one clamping arrangement for all armour/ braid types.
- Deluge protection option available.
- 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 2074X.
- 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 and EN 60529.
- Operating temperature range -60°C to +80°C as standard.

Supplied by:

A.S.P. Electro-Technology Ltd
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