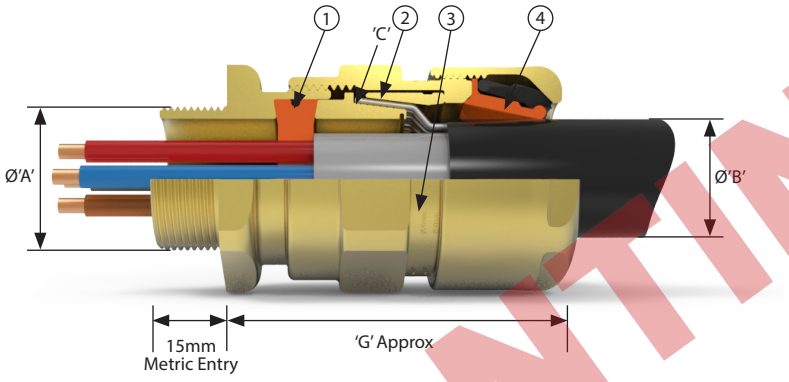
MADE IN BRITAIN

International Approvals

PSG 553 RAC

Flameproof, Increased Safety, Dust Protection, Restricted Breathing
Certified ATEX / IECEx / UKEX



■1 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 a special tool to suit core size.

■2 Provides armour clamping using one clamping arrangement for all armour/braid types.

■3 Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer sheath.

The PGS/553/RAC dual certified Exe/Exd gland offers an instant barrier seal around the individual cable cores, with the silicon seal forming a barrier around the individual cores of a cable. This results in unparalleled speed of installation, inspection and flexibility, with no need for compounds or resin to achieve the Exd barrier seal, no curing time and instant gland completion.

Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'		Cable Acceptance Details				'G'	Hexagon Dimensions	
			Outer Sheath 'B'		Armour / Braid 'C'				
	Metric	NPT*	Min	Max	Orientation 1	Orientation 2	Length	Across Flats	Across Corners
A	M20	¾" or ½"	12.5	20.5	0.8 / 1.25	0.0 / 0.8	53	30.0	32.5
B	M25	1" or ¾"	16.9	26.0	1.25 / 1.6	0.0 / 0.7	59.5	36.0	39.5
C	M32	1¼" or 1"	22.0	33.0	1.6 / 2.0	0.0 / 0.7	64	46.0	50.5

Technical Data

Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Ingress Protection	IP66, IP67 and IP68 (30 metres for 7 days, special instructions apply) to IEC/EN 60529 and NEMA 4X
Enclosure Protection	IK10 to IEC 62262
Deluge Protection	to DTS01
Operating Temperature	-60°C to +80°C
Applications	Suitable for use in Zone 1, Zone 21, Zone 2 and Zone 22

Approvals

Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex nR IIC Gc; Ex tb IIIC Db
ATEX Certificate No	CML 19ATEX1167X CML 19ATEX4507X (Ex nR)
IECEx Certificate No	CML 19.0045X CML 21.0012X (Ex nR)
UKEX Certificate No	CML 21UKEX1161X CML 21UKEX4133X (Ex nR)
Construction & Test Standards	IEC/EN 62444 (Anchorage Type D), IEC/EN 60079-0, 1, 7, 15, 31
Marine Approvals	ABS: 19-LD1876514-1-PDA BV: 43523/B0 DNV: TAE0000BS
Additional Certifications	EAC: No EA3C RU C-GB.HA91.B.00264/21 EQM: 20-11-27224/Q20-11-000979/NB0007 Inmetro: IEx 14.0272X PESO: P450038 SONCAP: LCOGB049552-0500

Alternative Reversible Armour Clamping Ring Size Selection

Size Ref	Orientation 1	Orientation 2
B	0.9 - 1.25	0.5 - 0.9
C	1.2 - 1.6	0.6 - 1.2

Cable Gland Size for Core Size and Number

Max No. of Cores	Cores Cross Sectional Area mm²				
	1.5	2.5	4	6	10
7	A&B	A&B	B&C	C	C
4	-	-	-	B	-
3	-	-	-	-	B

Deluge protection option available

HAWKE International
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Asia / Middle East / South America **T: +44 (0)141 810 9666 E: hhsales2@hubbell.com**
HUBBELL Harsh & Hazardous

Ordering Information

Format for ordering is as follows: To obtain punch tool required, refer to tables

Cable Gland Type	Size	Thread	Punch Tool Required
PSG/553/RAC	C	M32	Punch Tool No. 1
PSG/553/RAC	C	1¼" NPT	Punch Tool No. 1

Order Example: PSG/553/RAC C M32 Punch Tool No. 1

Punch Tool Size Details

Punch Ref	No. 1	No. 2	No. 3
Cores C.S.A.mm²	1.5 - 2.5	4.0 - 6.0	10

Cable Gland **Tightening Guide**

Whilst Hawke International goes to great lengths to ensure products are designed to be as simple to install, inspect and maintain as is possible, differing levels of competency, training and understanding can lead to glands being incorrectly installed. With hazardous area products, any poor installation issues can not only lead to expensive equipment failure, but also potential explosion risks and associated risk to life.

To help address issues with the overtightening of cable glands and the resultant damage to cables and seals, Hawke International has developed the patented **INBUILT TIGHTENING GUIDE**.

Without the need for fiddly measuring systems, the guide provides a permanent visual indication of the gland tightness through installation, inspection and maintenance.

How it works

The gland is permanently marked with various lines/numbers indicating the correct tightening level related to the cable diameter. Following the relevant cable gland Installation Instructions, the back seal should be tightened until a seal is formed on the cable outer sheath and then tightened one further turn.

Step 1

Follow cable gland installation instructions until final stage – tightening of rear seal

Step 2

Tighten backnut until a seal is formed onto the cable, then tighten one further turn

Step 3

The backnut should be level with the marking guide corresponding to its diameter – this can be visually inspected and adjusted as necessary