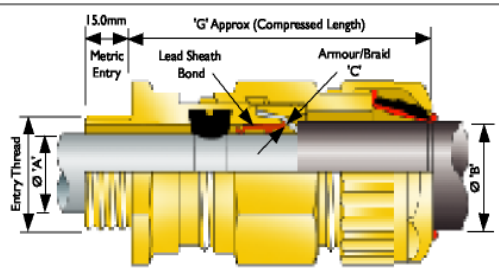


HAWKE 501/453/RAC L CABLE GLAND

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 Lead Sheath 'A'		Outer Sheath 'B'	'C'		Across Flats	Across Corners					
	Metric	NPT* Std./Option	Standard (L) Seal+Bond	Alternative (K) Seal+Bond		Orientation 1	Orientation 2			Min.	Max.	Min.	Max.	
O	M20 ²	1/2"	7.5	8.5	-	-	9.5	16.0	0.9/1.25	0/0.7	65.1	24.0	27.7	
A	M20	3/4"/1/2"	-	-	8.5	10.8	12.5	20.5	0.9/1.25	0/0.7	66.1	30.0	34.6	
B	M25	1"3/4"	13.0	16.7	11.0	15.4	16.9	26.0	1.25/1.6	0/0.7	71.4	36.0	41.6	
C	M32	1 1/4"/1"	19.0	22.5	15.5	21.2	22.0	33.0	1.6/2.0	0/0.7	75.2	46.0	53.1	
C2	M40	1 1/2"/1 1/4"	25.0	28.5	22.0	28.0	28.0	41.0	1.6/2.0	0/0.7	77.1	55.0	63.5	
D	M50	2"/1 1/2"	31.5	40.3	27.5	34.8	36.0	52.6	1.8/2.5	0/1.0	90.3	65.0	75.1	
E	M63	2 1/2"/2"	42.0	52.0	39.0	46.5	46.0	65.3	1.8/2.5	0/1.0	96.7	80.0	92.4	
F	M75	3"/2 1/2"	54.5	63.8	51.0	58.3	57.0	78.0	1.8/2.5	0/1.0	96	95.0	109.6	

Larger cable glands available in 501/453/L design. See page 23.

G	M80	3 1/2"	67.0	68.5	-	-	75.0	89.5	#	#	95.6	106.4	123.0
H	M90	3 1/2"	67.0	73.1	-	-	75.0	89.5	#	#	95.6	115.0	132.8
J	M100	4"	75.0	87.1	-	-	88.0	104.5	#	#	95.6	127.0	146.7

²Size O is available with an M16 thread size. For O size with M16 thread, the maximum cable inner sheath diameter is 10.9mm.

General Information

All Metric entry threads are 1.5mm pitch medium fit.
All dimensions in millimetres (except* where dimensions are in inches).
Dedicated armour clamping rings are fitted. Please specify armour type and size.
Assembly instruction data sheet
No. A.I. 302 + 336 For sizes O to F.
Assembly instruction data sheet
No. A.I. 329 + 336 For sizes G to J.

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

Materials & Finishes

The 501/453/RAC/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/
Standard Inner Seal + Bond

e.g. 501/453/RAC/C/M32/L
501/453/RAC/C/1 1/4" NPT/L

Cable Gland with Alternative
Inner Seal + Bond

e.g. 501/453/RAC/C/M32/K
501/453/RAC/C/1 1/4" NPT/K

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

Cable Gland with Alternative
Clamping Ring (AR)

e.g. 501/453/RAC/C/M32/L/AR
501/453/RAC/C/1 1/4" NPT/L/AR

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

Features

- 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.
- 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. II 2 GD
- Baseefa Certificate No. BAS 01 ATEX 2072X. For O - F.
- Baseefa Certificate No. BAS 01 ATEX 2296X. For G - J.
- 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.
- CYPEL BR-Exd IIC/Exe II.
- GOST R-Exd IICU/Exe IIIU.

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