

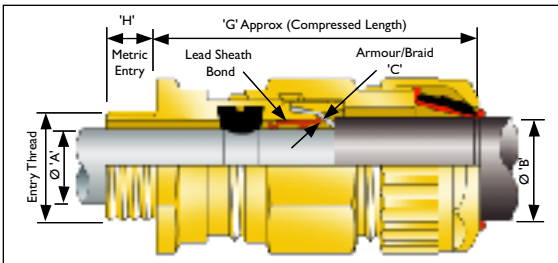
# Cable Gland Type

## 153/RAC/L

For Lead Sheath Cables



Industrial



### CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Thread Length 'H'	Cable Acceptance Details								Hexagon Dimensions		
				Inner Lead Sheath 'A'		Outer Sheath 'B'		'C' Armour/Braid		'G'				
	Metric	NPT* Std/Option		Standard (L) Seal+Bond		Alternative (K) Seal+Bond		Min.	Max.		Orientation		Across Flats	Across Corners
				Min.	Max.	Min.	Max.			Orientation 1	Orientation 2			
O	M20 <sup>2</sup>	1/2"	15	6.5	10.5	4.0	8.0	9.5	16.0	0.9/1.25	0/0.7	65.1	24.0	27.7
A	M20	3/4"/1/2"	15	-	-	8.5	13.0	12.5	20.5	0.9/1.25	0/0.7	66.1	30.0	34.6
B	M25	1"/3/4"	15	12.5	19.0	9.5	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"	15	19.0	25.0	14.5	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"	15	25.0	31.2	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"	15	31.5	42.3/42.8 <sup>1</sup>	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"	15	42.0	53.3/54.5 <sup>1</sup>	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"	15	54.5	66.0/64.3 <sup>1</sup>	48.5	58.3	57.0	78.0	1.8/2.5	0/1.0	96	95.0	109.6

Larger cable glands available in 153/L design. See page 23.

G	M80	3 1/2"	20	67.0	70.0	-	-	75.0	89.5	#	#	95.6	106.4	123.0
H	M90	3 1/2"	20	67.0	75.0	-	-	75.0	89.5	#	#	95.6	115.0	132.8
J	M100	4"	20	75.0	89.5	-	-	88.0	104.5	#	#	95.6	127.0	146.7

<sup>1</sup> Smaller value is applicable when selecting the option NPT entry thread.

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

O - F size metric entry threads are 1.5mm pitch as standard. For G size cable glands and above, a 2mm pitch is supplied as standard (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering.

### General Information

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 153/RAC/L cable gland is manufactured as standard in brass, stainless steel and aluminium. NPT entries, nickel plated as standard. Full nickel plating by electroplating or electroless plating is also available, as are other materials on request.

### Cable Gland Ordering Examples

**Cable Gland Type/Size/Thread/  
Standard Inner Seal + Bond**

e.g. 153/RAC/C/M32/L  
153/RAC/C/1 1/4" NPT/L

**Cable Gland with Alternative  
Inner Seal + Bond**

e.g. 153/RAC/C/M32/K  
153/RAC/C/1 1/4" NPT/K

### Alternative Reversible Clamping Rings (RAC)

SELECTION TABLE		
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. 153/RAC/C/M32/L/AR  
153/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

- Construction and test standards EN 50262. BS 6121 Part 1. Type E2V, E2X and E2Z.
- IP66, IP67 and IP68 (30 metres for 7 days) ingress protection to IEC 60529, EN 60529 and NEMA 4X.
- Operating temperature range -60°C to +80°C as standard.

153/RAC/L Cable Gland