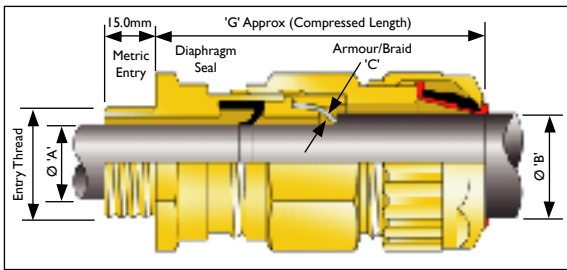


Cable Gland Type 153/RAC



Industrial General Purpose



CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details						'G'		
			Inner Sheath 'A'		Outer Sheath 'B'		'C' Armour/Braid				
	Metric	NPT* Std./Option	Min.	Max.	Min.	Max.	Orientation 1	Orientation 2	Across Flats	Across Corners	
Os	M20*	1/2"	4.0	8.0	5.5	12.0	0.9/1.25	0/0.7	65.1	24.0	27.7
O	M20*	1/2"	7.5	11.9	9.5	16.0	0.9/1.25	0/0.7	65.1	24.0	27.7
A	M20	3/4"/1/2"	11.5	14.2	12.5	20.5	0.9/1.25	0/0.7	66.1	30.0	34.6
B	M25	1"/3/4"	13.7	20.1	16.9	26.0	1.25/1.6	0/0.7	71.4	36.0	41.6
C	M32	1 1/4"/1"	19.6	26.4	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"	26.0	32.4	28.0	41.0	1.6/2.0	0/0.7	77.1	55.0	63.5
D	M50	2"/1 1/2"	30.0	44.5/42.3	36.0	52.6	1.8/2.5	0/1.0	90.3	65.0	75.1
E	M63	2 1/2"/2"	41.5	54.0	46.0	65.3	1.8/2.5	0/1.0	96.7	80.0	92.4
F	M75	3"/2 1/2"	53.0	66.0/65.3	57.0	78.0	1.8/2.5	0/1.0	96.0	95.0	109.6

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

G	M80	3 1/2"	67.0	73.0	75.0	89.5	#	#	95.6	106.4	123.0
H	M90	3 1/2"	67.0	77.6	75.0	89.5	#	#	95.6	115.0	132.8
J	M100	4"	75.0	91.6	88.0	104.5	#	#	95.6	127.0	146.7

General Information

All Metric entry threads are 1.5mm pitch medium fit.

All dimensions in millimetres

(except* where dimensions are in inches).

*Sizes Os and O are available with an M16 thread size. For O size with M16 thread, the maximum cable outer sheath diameter is 10.9mm.

Dedicated armour clamping rings are fitted. Please specify armour type and size.

Assembly instruction data sheet No. A.I. 322.

For sizes Os to F.

Assembly instruction data sheet No. A.I. 329.

For sizes G to J.

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□

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

Materials & Finishes

The 153/RAC cable gland is manufactured as standard in brass.

NPT entries, nickel plated as standard. Full nickel plating available.

Cable Gland Ordering Examples

Cable Gland Type/Size/Thread

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

Cable Gland with Alternative Clamping Ring (AR)

e.g. 153/RAC/C/M32/AR
153/RAC/C/1 1/4" NPT/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.
- Suitable for use with cables that exhibit "Cold Flow" characteristics.
- 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 diaphragm seal on the cables inner sheath. A diaphragm seal will not damage cable that has "Cold Flow" characteristics.
- 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 EIW, EIX and EIZ.
- IP66 and IP67 ingress protection to IEC 60529, EN 60529 and NEMA 4X.
- Operating temperature range -60°C to +80°C as standard.

Safe Area Use only.
Cannot be used in hazardous areas.

153/RAC Cable Gland