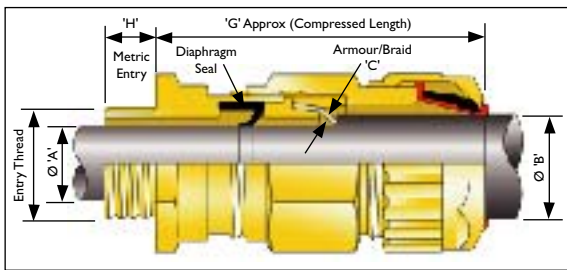


Cable Gland Type I53/RAC



Industrial



CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Thread Length 'H'	Cable Acceptance Details						'G'		Hexagon Dimensions	
	Metric	NPT* Std./Option		Inner Sheath 'A'		Outer Sheath 'B'		'C' Armour/Braid				Across Flats	Across Corners
				Min.	Max.	Min.	Max.	Orientation 1	Orientation 2				
Os	M20 ²	1/2"	15	4.0	8.0	5.5	12.0	0.9/1.25	0/0.7	65.1	24.0	27.7	
O	M20 ²	1/2"	15	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"	15	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"	15	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"	15	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"	15	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"	15	30.0	44.5/42.3 ¹	36.0	52.6	1.8/2.5	0/1.0	90.3	65.0	75.1	
E	M63	2 1/2"/2"	15	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"	15	53.0	66.0/65.3 ¹	57.0	78.0	1.8/2.5	0/1.0	96.0	95.0	109.6	

Larger cable glands available in I53 design. See page 23.

G	M80	3 1/2"	20	67.0	73.0	75.0	89.5	#	#	95.6	106.4	123.0
H	M90	3 1/2"	20	67.0	77.6	75.0	89.5	#	#	95.6	115.0	132.8
J	M100	4"	20	75.0	91.6	88.0	104.5	#	#	95.6	127.0	146.7

¹ Smaller value is applicable when selecting reduced NPT entry option.

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

Os - 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.

Alternative Reversible Armour Clamping Rings (RAC)

Size Ref.	SELECTION TABLE	
	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

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. 322.

For sizes Os to F.

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

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 I53/RAC 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

e.g. I53/RAC/C/M32

I53/RAC/C/1 1/4" NPT

Cable Gland with Alternative Clamping Ring (AR)

e.g. I53/RAC/C/M32/AR

I53/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.