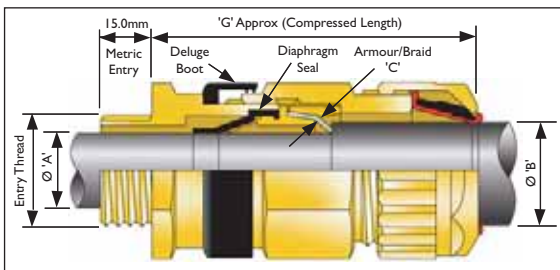


Cable Gland Type 153/Universal



Industrial



CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details						'G'		Hexagon Dimensions	
			Inner Sheath 'A'		Outer Sheath 'B'		'C' Armour/Braid				Across Flats	Across Corners
	Metric	NPT* Std./Option	Min.	Max.	Min.	Max.	Orientation 1	Orientation 2				
Os	M20 ²	1/2"	3.0	8.1	5.5	12.0	0.9/1.25	0/0.7	64.4	24.0	27.7	
O	M20 ²	1/2"	6.5	11.9	9.5	16.0	0.9/1.25	0/0.7	64.4	24.0	27.7	
A	M20	3/4"/1/2"	8.4	14.3	12.5	20.5	0.9/1.25	0/0.7	65.4	30.0	34.6	
B	M25	1"/3/4"	11.1	20.2	16.9	26.0	1.25/1.6	0/0.7	71	36.0	41.6	
C	M32	1 1/4"/1"	17.6	26.5	22.0	33.0	1.6/2.0	0/0.7	76	46.0	53.1	
C2	M40	1 1/2"/1 1/4"	23.1	32.5	28.0	41.0	1.6/2.0	0/0.7	78.1	55.0	63.5	
D	M50	2"/1 1/2"	28.9	44.4/42.3 ¹	36.0	52.6	1.8/2.5	0/1.0	93.1	65.0	75.1	
E	M63	2 1/2"/2"	39.9	56.3/54.3 ¹	46.0	65.3	1.8/2.5	0/1.0	99	80.0	92.4	
F	M75	3"/2 1/2"	50.5	68.2/65.3 ¹	57.0	78.0	1.8/2.5	0/1.0	101.9	95.0	109.6	

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

Size Ref.	Metric	NPT	Min.	Max.	Min.	Max.	Orientation 1	Orientation 2	'G'	Across Flats	Across Corners
G	M80	3 1/2"	67.0	73.0	75.0	89.5	#	#	90.6	106.4	123.0
H	M90	3 1/2"	67.0	77.6	75.0	89.5	#	#	90.6	115.0	132.8
J	M100	4"	75.0	91.6	88.0	104.5	#	#	90.6	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.

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. 300.

For sizes Os to F.

Assembly instruction data sheet No. A.I. 303.

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/Universal 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

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

Cable Gland with Alternative Clamping Ring (AR)

e.g. 153/UNIV/C/M32/AR
153/UNIV/C/1 1/4" NPT/AR

Alternative Reversible Armour Clamping Rings (RAC)

Size Ref.	SELECTION TABLE	
	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

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.

For particular 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 which will not damage cable that has "Cold Flow" characteristics.
- Provides an outer deluge seal to prevent moisture ingress to the cable armour/braid.
- 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, IP67 and IP68 (30 metres for 7 days) ingress protection to IEC 60529 & EN 60529.
- DTS01 deluge protection certified by ITS.
- Operating temperature range -60°C to +80°C as standard.