

HEATSHRINKABLE GLAND APPLICATIONS

Rail Equipment Cable Entry Apertures may vary depending on the equipment age, therefore, it is highly recommended that this is taken into account when selecting a suitable gland from the table below.

Note: this table represents examples of commonly used applications. See catalogue listings or our website (unipartrail.com) for further applications.

EQUIPMENT P.A.D.S No	EQUIPMENT DESCRIPTION	GLAND SELECTION OPTIONS			
		S/Steel Adaptor	Screw-Fit Brass Adaptor	Clear-Fit Brass Adaptor	Clear-Fit Standard Gland
0087/37914-15	DAC / TITAN Weatherproof Telephones	0054/037050		0055/021063	
	RACAL Weatherproof Telephones	0054/037051		0055/021063	
0086/043476-86	Adtranz TI-21 Tuning Units	0054/001004		0055/021057	0054/109175
0086/043743-44-49-67-73	ML Aster Tuning Units	0054/037058			0054/109175
0086/09130 to 0086/009137	Standard Signal Heads	0054/001003			0054/109176
0086/001258-59	Fibre Optic Stencil & Theatre Indicators	0054/037058			0054/109175
0086/041070-71	Position Light Ground Signals	0054/037068	0055/021057		
0086/001262	Signal House Optic Fibre Lit Signals Type PL1W, PL1R and PL2R			0055/021059	
0086/032113	Clamplock & Detector Mechanism Assembly	0054/001004	0055/021059		0054/109175
0086/032544-45-46-47	Electro Hydraulic Power Pack	0054/037059		0055/021058	
0086/041451	Signal Post Replacement Switch	0054/037057	0055/021059		
0086/046305-310-315	Double Arm Treadles		0055/021060		
0086/046300	Single Arm Treadles	0054/037057	0055/021060		0054/109175
0086/032650	Train Operated Points Accumulator Units	0054/037057		0055/021059	
0086/030000	Electrical Detector Boxes	0054/037055	0055/021060	0055/021059	
0088/019195	Train Stops	0054/037055	0055/021060	0055/021059	
0086/07273 to 76	4 & 6 W Rotary Controllers	0054/037055	0055/021060	0055/021059	
	WSL Old Style P3 Impedance Bonds	0054/001001	0055/021060		
0086/017024	WSL & Howells Type 2 & 3 Impedance Bonds (4 x 20mm holes)	0054/001001		0055/021056	
0086/017024	WSL & Howells Type 3 Impedance Bond (26mm holes)	0054/001002		0055/021054	
0086/017024	Howells Type 2 Impedance Bond (Large 26mm hole)	0054/037068		0055/021057	
0062/006736-37	Howells Standard & Extra Strength AWS Electro Inductor	0054/037068		0055/021054	
0062/006781 & 0062/006785	Howells Standard & Extra Strength AWS Suppressor Inductor	0054/037058	0055/021057	0055/021055	
0088/000381 & 0088/000383	Alstom HW Point Machines	0054/037059	0055/021060	0055/021058	
0088/012008-27240-81253	WSL Style 63 Point Machines	0054/001003			0054/109164
0055/121369-370	Point Heater Transformer 20mm Port	0054/037056		0055/021056	
0055/121369-370	Point Heater Transformer 26mm Port	0054/037068		0055/021057	0054/109175
0055/121369-370	Point Heater Transformer 32mm Port	0054/037059		0055/021058	

GLANDS FOR AXLE COUNTERS

P.A.D.S Ref. No	Graybar Part No	Application	Max Cable Dia	Max Gland Inside Dia	Thread Length mm	Thread Type
0086/001080	GBK 1568	Alcatel type - Mushroom head cable gland size A	14mm	14.5mm	10	M20
0086/001081	GBK 1569	Alcatel type - Mushroom head cable gland size B	15mm	15.5mm	10	M28
0086/001082	GBK 1570	Alcatel type - Mushroom head cable gland size C	26mm	26.5mm	10	M38

HEATSHRINKABLE GLANDS

Cables terminated into railway equipment must be protected against the risk of external forces dragging at the cable connections or ingress of moisture. Damaged cable connections caused by strain or corrosion will result in equipment failure.

CES RANGE

Standard Heatshrinkable cable entry support and sealing gland fitted with range taking heavy duty, sealant lined heatshrinkable collar; 'O' ring and male nylon bush.

BRASS ADAPTER RANGE

Type CES Heatshrink body fitted with brass adapter designed to fit selected railway equipment.

STAINLESS STEEL ADAPTER RANGE

Type CES Heatshrink body fitted with stainless steel adapter designed to fit selected railway equipment.

HEATSHRINKABLE CABLE SEALING GLANDS TYPE C.E.S.

Graybar Heatshrinkable cable Glands are designed to ensure robust cable support and seal against moisture ingress for the majority of unarmoured Railway cables. The Glands provide a flame retarded adhesive lined body with a high-density nylon insert together with a male bush with neoprene 'O' ring. The high shrink ratio Heatshrinkable collar enables suitability for a range of cable diameters.



P.A.D.S Ref. No	Cable Diameter Range	Max Gland Inside Dia	Max Plate Thickness	Thread Thickness	Entry Hole Diameter
0054/109179	3mm - 12mm	19mm	6mm	25mm	26mm
0054/109175	6mm - 17mm	19mm	6mm	25mm	26mm
0054/109176	12mm - 28mm	28mm	8mm	34mm	35mm
0054/109164	19mm - 40mm	40mm	10mm	50mm	51mm
0054/109181	36mm - 65mm	73mm	18mm	86.5mm	88mm

MODIFIED SEALING GLANDS SUPPLIED WITH BRASS ADAPTED THREADS

This range is the standard CES Heatshrinkable cable gland incorporating brass threaded adapters, locknuts & washers. The brass adapters are designed to be suitable for a wide range of Railway equipment, with screwed or unscrewed cable entry holes.

P.A.D.S Ref. No	Max Cable Diameter	Max Gland Inside Dia	Thread Length	Thread Type
0055/021054	18mm	19mm	30mm	M22
0055/021055	18mm	19mm	42mm	M22
0055/021056	15mm	16mm	20mm	M18
0055/021057	20mm	21mm	30mm	M25
0055/021058	25mm	26mm	25mm	M30
0055/021059	25mm	26mm	12mm	M30
0055/021060	28mm	28mm	6mm + 5mm	M32 screw-fit only
0055/021063	13.5mm	14mm	25mm	M17.5



MODIFIED SEALING GLANDS SUPPLIED WITH STAINLESS STEEL ADAPTED THREADS

This range is the standard CES Heatshrinkable cable gland incorporating stainless steel threaded adapters, locknuts & washers. The stainless steel adapters are designed to be suitable for a wide range of Railway equipment, with screwed or unscrewed cable entry holes.

P.A.D.S Ref. No	Max Cable Diameter	Max Gland Inside Dia	Thread Length	Thread Type
0054/001001	13mm	13.4mm	20mm	M18
0054/001002	15mm	16mm	20mm	1/2" BSP (Dia 20.96mm)
0054/001003	24mm	25mm	20mm	38mm conduit
0054/001004	24mm	25mm	10mm	32mm conduit
0054/001005	14mm	14.5mm	12mm	20mm conduit
0054/037050	14mm	14.5mm	15mm	20mm conduit
0054/037051	14mm	14.5mm	15mm	20mm conduit
0054/037055	27mm	28mm	15mm	1" BSP (Dia 33.25mm)
0054/037056	14mm	14.5mm	10mm	M18
0054/037057	20mm	21mm	15mm	3/4" BSP (Dia 26.44mm)
0054/037058	18mm	19mm	20mm	25mm conduit
0054/037059	24mm	25mm	20mm	32mm conduit
0054/037067	14mm	14.5mm	35mm	20mm conduit
0054/037068	18mm	19mm	25mm	25mm conduit
0055/021066	28mm	29mm	6+5mm shoulder	M32

