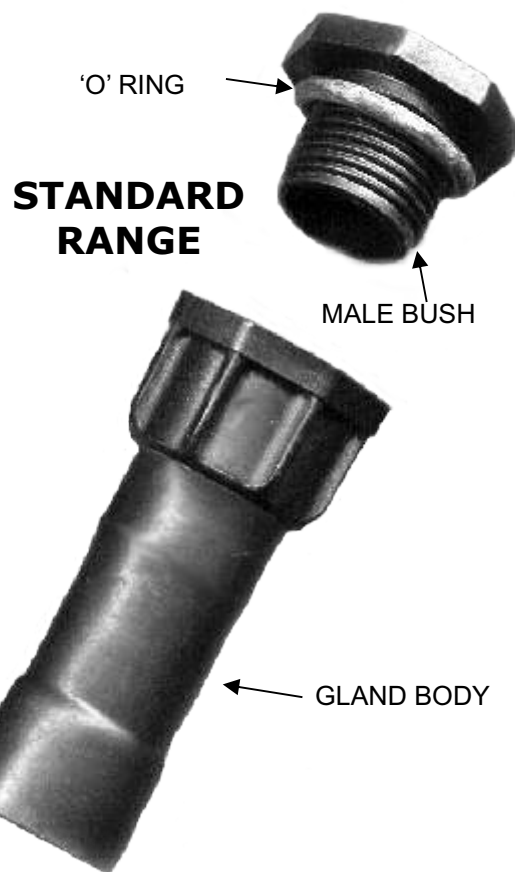
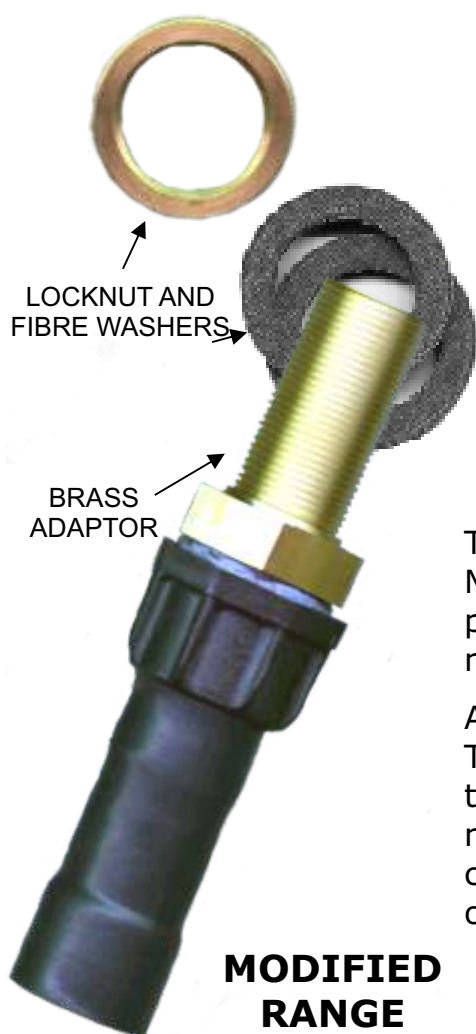




HEATSHRINKABLE CABLE GLANDS FOR THE SUPPORT AND SEALING OF UNARMoured CABLES

Cables terminated into Railway Signalling equipment should be protected against the risk of accidental damage caused by external forces pulling at the Cable Termination connections and ingress of moisture which may result in equipment failure.

The HCS series of Heatshrinkable Standard and 'Modified' Cable Entry Glands were developed to provide a cost effective method of ensuring a secure support and weatherproof seal on all types of non armoured Railway Signalling Cable. The high shrink ratio heatshrinkable collar enables suitability for a range of Cable diameters.



The Glands are manufactured in accordance with MIL-1-81765/1 and MIL-1-23053/15 specifications and provide a flame retarded adhesive lined body along with a male threaded bush to enable fixture to the Gland Plate.

A range of Glands are available complete with Brass Threaded Adaptor, Locknut and Fibre Washers to suit all types of Signalling and Switching equipment. The majority of Glands with Adaptors are intended to be clearance fit enabling them to be re-used upon servicing of the equipment.



Shrink Polymer Systems

Cable Installation Materials – 24 volts to 36 kV

HEATSHRINKABLE CABLE GLANDS STANDARD RANGE - DIMENSIONAL DETAIL

PART NUMBER	P.A.D.S CAT. NO	CABLE DIA RANGE (mm)	MAX GLAND I.D (mm)	MAX PLATE THICKNESS (mm)	THREAD DIA (mm)	ENTRY HOLE DIA (mm)	EQUIVELENT P.A.D.S REFERENCE NUMBERS
HCS 1	54/109179	4-12	19	6	25	26	
HCS 2	54/109175	7-17	19	6	25	26	
HCS 3	54/109176	13-26	28	8	34	35	54/1003
HCS 4	54/109164	19-38	40	10	50	51	
HCS 4s	54/109165	19-53	53	10	59	60	
HCS 5	54/109181	36-70	73	18	86.5	88	

HEATSHRINKABLE CABLE GLANDS MODIFIED RANGE - DIMENSIONAL DETAIL

PART NUMBER	P.A.D.S CAT. NO	MAX CABLE DIA	MAX GLAND I.D	ENTRY HOLE DIA	EQUIVELENT P.A.D.S REFERENCE NUMBER
SPS 721	54/000092	18 mm	19 mm	25 mm	54/001002
SPS 722	54/000093	18 mm	19 mm	25 mm	54/037067
SPS 723	54/000094	15 mm	16 mm	20 mm	54/001001, 54/001005, 54/037056
SPS 724	54/000095	20 mm	21 mm	27 mm	54/037068, 54/037058
SPS 725	54/000096	25 mm	26 mm	32 mm	54/037059
SPS 726	54/000097	25 mm	26 mm	32 mm	54/001004, 54/037057
SPS 727	54/000098	28 mm	28 mm	32 mm	54/037055
SPS 728	54/000099	13.5 mm	14 mm	19 mm	54/037050, 54/037051



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HEATSHRINKABLE CABLE ENTRY SEALING GLANDS APPLICATION TABLE

The Equipment Application listed has been established with the co-operation of the NRS (Crewe) Technical Section.

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.

EQUIPMENT P.A.D.S CAT. NO	EQUIPMENT DESCRIPTION	SCREW FIT GLAND OPTION	CLEARANCE FIT GLAND OPTION	STANDARD GLAND OPTION
87/37887-88-90	DAC & RACAL WEATHERPROOF TELEPHONES		SPS 728	
86/43476-86	ADTRANZ T1-21 TUNING UNITS			HCS 2
86/43743-44-49-67-73	ML ASTER TUNING UNITS			HCS 2
86/9130 to 86/9137	NRS STANDARD SIGNAL HEADS			HCS 3
86/28779	AUTOMATIC OPEN, CONTROLLED LOCALLY (AOCL UNITS)			HCS 2
86/1258-59	FIBRE OPTIC STENCIL & THEATRE INDICATORS			HCS 2
86/41070-71	POSITION LIGHT GROUND SIGNALS	SPS 724		
86/1262	SIGNAL HOUSE-OPTIC FIBRE LIT SIGNALS TYPE PL1W, PL1R AND PL2R		SPS 726	
86/32113	CLAMPLOCK & DETECTOR MECHANISM ASSEMBLY	SPS 726		HCS 2
86/32521-41	ELECTRO HYDRAULIC POWER PACKS (PUMP UNITS)		SPS 725	
86/41451	SIGNAL POST REPLACEMENT SWITCHES	SPS 726		
86/46305-310-315	DOUBLE ARM TREADLE SWITCHES	SPS 727		
86/46300	SINGLE ARM TREADLE SWITCHES	SPS 727		HCS 2
86/32650	TRAIN OPERATED POINTS ACCUMULATOR UNITS			
86/30000	ELECTRICAL DETECTOR BOXES	SPS 727		
88/19195	TRAIN STOPS	SPS 727		
86/7273 to 76	4&6 WAY ROTARY CONTROLLERS	SPS 727		
	WSL OLD STYLE P3 IMPEDANCE BONDS	SPS 727		
86/17023-24	WSL & HOWELL'S TYPE 2&3 IMPEDANCE BONDS (4 x 20mm HOLES)		SPS 723	
86/17024	WSL & HOWELL'S TYPE 3 IMPEDANCE BONDS (1 x 26mm HOLE)		SPS 721	
86/17023	WSL TYPE 2 IMPEDANCE BOND (26mm HOLE)		SPS 724	
86/17023	HOWELL'S TYPE 2 IMPEDANCE BOND (LARGE 26mm HOLE)		SPS 721	
62/6736-37	AWS ELECTRO INDUCTORS HOWELL'S STANDARD & EXTRA STRENGTH		SPS 721	
62/6781-85	AWS SUPPRESSOR INDUCTORS HOWELL'S STANDARD & EXTRA STRENGTH	SPS 724	SPS 722	
88/381-383	ALSTOM HW POINT MACHINES	SPS 727	SPS 725	
88/12008-88- 88/81253	WSL STYLE 63 POINT MACHINES			HCS 4
55/121369-370	POINT HEATER TRANSFORMER 20mm PORT		SPS 723	
55/121369-370	POINT HEATER TRANSFORMER 26mm PORT		SPS 724	HCS 2
55/121369-370	POINT HEATER TRANSFORMER 32mm PORT		SPS 725	



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