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Cable Gland:- Type E1W



Including type No's:

E	*	*	*	*	*
	1	W	S	IE	R
	2	X	A		
	3	Z			

E1W type glands provide a seal on the inner sheath, a seal on the outer sheath and an armour specific armour clamp for armoured cable. The armour clamp provides an electrical bond between the cable armour and the gland. E1W type glands maintain IP66, IP67.

DESIGN STANDARD	BS EN 50262: 1999	
GLAND MARKING	Example: E1W [size] [thread] PCGL (or Peppers)	
INGRESS PROTECTION	IP66, IP67 and IP68	
MATERIALS	Brass CZ121 (E1W) 316 Stainless Steel (E1WS) Aluminium (E1WA) Inner & outer sheath seal material: Standard (E1) Neoprene, black. Option (E3) Silicone, white. Reduced bore outer sheath seal (R) Silicone, red. (E1WFR)	
VARIATIONS	For lead sheath cables the gland is fitted with a metallic continuity washer: Brass (E2W); 316 Stainless Steel (E2WS) Integral earth version for HV appliances: Brass (E1WIE); 316 Stainless Steel (E1WIES) Omission of outer seal: Brass (D1W); 316 Stainless Steel (D1WS)	
OPTIONS	THREADS	ISO Metric; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel); PG
	SEALS	Extended operating temperature -60°C to +180°C, halogen free versions: Brass (E3W); 316 Stainless Steel (E3WS)
	CLAMPS	SWA steel wire armour (E1W) SWB woven steel wire armour (E1X) STA steel tape armour (E1Z)
	PLATING	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN)
OPERATING TEMPERATURES	Standard Seals -20°C to +85°C Silicone Seals -60°C to +200°C	
ACCESSORIES	Locknut - Brass (ACBLN); 316 Stainless Steel (ACSLN); Aluminium (ACALN) Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET); Aluminium (ACAET) IP Washer - Nylon (ACNSW); Red Fibre (ACFSW) Serrated Lock Washer - 316 Stainless Steel (ACSSW), Galvanised Steel (ACGSW) Shroud - PVC (ACSPVC); PCP (ACSPCP); Low Smoke Zero Halogen (ACSSIO) Gland and accessory kits: K1 - includes gland, locknut, earthtag and PVC shroud E3WK1 - includes brass gland, brass locknut, brass earthtag and zero halogen shroud	

EXAMPLE PART NUMBER

Sample: E1W R K1/ZP/20S/M20
E1W:
 E*W - Gland type, armour type (SWA) and body material (Brass)
 1 - Seal material (Neoprene)
R - Reduced bore outer seal
K1 - Supplied complete with locknut, earth tag and PVC shroud
ZP - Zinc plating
20s - Gland size with regards to cable acceptance range
M20 - Entry thread

Gland Size	Entry Threads		Entry Thread Length [B]	Max Across Corners [A]	Max Protrusion Length	Gland Seal Range						Armour Acceptance Range		Shroud Size
						Cable Inner Sheath [C]		Cable Outer Sheath [D]						
	Metric	NPT/BSP				Min	Max	Standard		Reduced (R)				
								Min	Max	Min	Max	W	XZ	
16	M20	1/2" or 3/4"	16	26.5	58.0	4.0	8.4	8.4	13.5	4.9	10.0	0.90	0.15-0.35	L24
20s	M20	1/2" or 3/4"	16	26.5	58.0	8.0	11.7	11.5	16.0	9.4	12.5	0.90-1.25	0.15-0.35	L24
20	M20	1/2" or 3/4"	16	33.0	58.0	6.7	14.0	15.5	21.0	12.0	17.6	0.90-1.25	0.15-0.50	L30
25	M25	3/4" or 1"	16	41.4	58.0	13.0	20.0	20.3	27.4	16.8	23.9	1.25-1.60	0.15-0.50	L38
32	M32	1" or 1 1/4"	16	50.6	65.0	19.0	26.3	26.7	34.0	23.2	30.5	1.60-2.00	0.15-0.55	L46
40	M40	1 1/4" or 1 1/2"	16	60.5	72.0	25.0	32.2	33.0	40.6	28.6	36.2	1.60-2.00	0.20-0.60	L55
50s	M50	1 1/2" or 2"	16	71.5	73.0	31.5	38.2	39.4	46.7	34.8	42.4	2.00-2.50	0.20-0.60	L65
50	M50	2"	16	71.5	73.0	36.5	44.1	45.7	53.2	41.1	48.5	2.00-2.50	0.30-0.80	L65
63s	M63	2" or 2 1/2"	19	88.0	76.0	42.5	50.1	52.1	59.4	47.5	54.8	2.50	0.30-0.80	L80
63	M63	2 1/2"	19	88.0	76.0	49.5	56.0	58.4	65.8	53.8	61.2	2.50	0.30-0.80	L80
75s	M75	2 1/2" or 3"	19	99.0	82.0	54.5	62.0	64.8	72.2	60.2	68.0	2.50	0.30-1.00	L90
75	M75	3"	19	99.0	82.0	60.5	68.0	71.1	78.0	66.5	73.4	2.50	0.30-1.00	L90
80	M80 x 2	3" or 3 1/2"	25	115.2	110.0	62.2	72.0	77.0	84.0	-	-	3.15	0.45-1.00	L104
80H	M80 x 2	3" or 3 1/2"	25	115.2	110.0	62.2	72.0	79.6	90.0	-	-	3.15	0.45-1.00	L104
85	M85 x 2	3" or 3 1/2"	25	115.2	110.0	69.0	78.0	79.6	90.0	75.0	85.4	3.15	0.45-1.00	L104
90	M90 x 2	3 1/2" or 4"	25	125.7	110.0	74.0	84.0	88.0	96.0	-	-	3.15	0.45-1.00	L114
90H	M90 x 2	3 1/2" or 4"	25	125.7	110.0	74.0	84.0	92.0	102.0	-	-	3.15	0.45-1.00	L114
100	M100 x 2	3 1/2" or 4"	25	125.7	110.0	82.0	90.0	92.0	102.0	87.4	97.4	3.15	0.45-1.00	L114

All Dimensions are in Millimetres

NOTES:

- Gland Size does not necessarily equate to the entry thread size
- "W" refers to the wire diameter in a steel wire armoured cable
- "XZ" refers to the wire diameter in a woven steel wire armoured cable or the tape thickness in a steel tape armoured cable
- E3* gland size 20, the silicone inner seal only seals to a minimum of 11.0mm and NOT 6.7mm
- Please note that dimensions (A) and (B) may differ for glands with non-Metric entry threads. Please refer to our thread data tables for specific dimensions
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- Full assembly instructions are available upon requests, the instructions should be read prior to installation and adhered to in full
- In order to maintain an IP rating greater than IP54, when used in a clearance hole, a suitable IP washer is required.