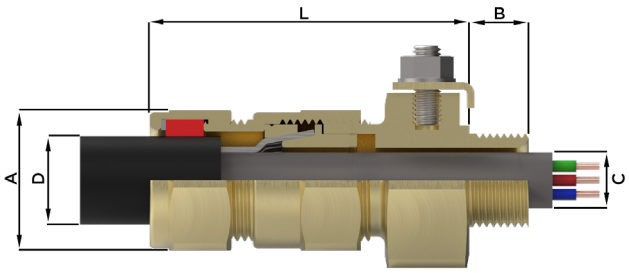
PRODUCT TYPE C*IE

Single Compression Gland for Armoured Cable featuring Dedicated Armour Clamping and an Integral Earth Connection for HV Cables

IEC 62444 : EN 62444 : BS 6121 : IP66



UK CA CE

PRODUCT DESCRIPTION

"C*IE" type single compression gland is suitable for cables that exhibit "cold flow" characteristics, whilst providing a controlled IP and environmental seal on the outer sheath and a detachable armour specific clamping system for wire (W), braid/tape (X) armoured cables. The Integral Earth, "IE" version, allows the gland to be used with HV cables where the fault load is greater than 10.4kA and options are available for use with LSOH cables and extreme temperature applications.

COMPLIANCE STANDARDS:

IEC 62444
EN 62444
BS 6121

EXAMPLE PART NUMBERING: CIWBIE/NP/20/050NPT

	C	Gland featuring armour specific clamping
	1	Neoprene Seals (1) - Silicone Seals (3)
	W	SWA or AWA (W) / SWB or STA (X)
	B	Aluminium (A) / Brass (B) / Stainless Steel (S)
	IE	Integral Earth
OPTIONS	R	Reduced Bore Seal
	C	PVC Shroud (C) - LSOH Silicone Shroud (3)
	K-V-H	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
	S	Including Serrated Washer
	1	Quantity per kit
	NP	Nickel Plated
	20	Gland shell size
	050NPT	1/2"NPT Male Entry Thread

OPTIONAL ACCESSORIES:

LOCKNUT (L)	Brass (ACBLN) / Stainless Steel (ACSLN)
IP WASHERS	Nylon (N) / Fibre (J) / PTFE (Z)
SERRATED WASHERS	Stainless Steel (S)
SHROUDS	PVC (C) / LSOH Silicone (3)

IP RATING:	IP66
OPERATING TEMP:	Neoprene Seals -35°C to +90°C
	Silicone Seals -60°C to +180°C
MATERIALS:	Aluminium, Brass or Stainless Steel
PLATING:	Electroless Nickel

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland Size	Entry Thread Size		Metric Thread Length [B]	Cable Acceptance Details						Armour Acceptance Range		Nominal Protrusion Length [L]	Dimensions/Weight (Metric)		
				Inner Sheath [C]		Outer Sheath [D]		Reduced [D]							
	Metric	NPT		Min	Max	Min	Max	Min	Max	W	X		Across Flats [A]	Across Corners	Weight (Kgs)
16	M16 x 1.5	1/2" or 3/4"	16	N/A	8.4	8.4	13.5	4.9	10.3	0.90	0.15-0.35	72	24.0	26.5	0.237
16	M20 x 1.5	1/2" or 3/4"	16	N/A	8.4	8.4	13.5	4.9	10.3	0.90	0.15-0.35	72	24.0	26.5	0.248
20S	M20 x 1.5	1/2" or 3/4"	16	N/A	11.7	11.5	16.0	9.4	12.5	0.90-1.25	0.15-0.35	72	24.0	26.5	0.213
20	M20 x 1.5	1/2" or 3/4"	16	N/A	14.0	15.5	21.1	12.0	17.6	0.90-1.25	0.15-0.50	72	30.0	33.0	0.323
25	M25 x 1.5	3/4" or 1"	16	N/A	20.0	20.3	27.4	16.8	23.9	1.25-1.60	0.15-0.55	72	36.7	41.4	0.385
32	M32 x 1.5	1" or 1 ¼"	16	N/A	26.3	26.7	34.0	23.2	30.5	1.60-2.00	0.20-0.60	81	46.0	50.6	0.636
40	M40 x 1.5	1 ¼" or 1 ½"	16	N/A	32.2	33.0	40.6	28.6	36.2	1.60-2.00	0.20-0.60	94	55.0	60.5	0.967
50S	M50 x 1.5	1 ½" or 2"	16	N/A	38.2	39.4	46.7	34.8	42.4	2.00-2.50	0.30-0.80	95	65.0	71.5	1.383
50H	M50 x 1.5	1 ½" or 2"	16	N/A	38.2	45.7	53.2	41.1	48.5	2.00-2.50	0.30-0.80	95	65.0	71.5	1.292
50	M50 x 1.5	2"	16	N/A	44.1	45.7	53.2	41.1	48.5	2.00-2.50	0.30-0.80	95	65.0	71.5	1.088
63S	M63 x 1.5	2" or 2 ½"	19	N/A	50.1	52.1	59.5	47.5	54.8	2.50	0.30-0.80	101	80.0	88.0	2.091
63H	M63 x 1.5	2" or 2 ½"	19	N/A	50.1	58.4	68.5	53.8	61.2	2.50	0.30-0.80	101	80.0	88.0	2.132
63	M63 x 1.5	2 ½"	19	N/A	56.0	58.4	68.5	53.8	61.2	2.50	0.30-1.00	101	80.0	88.0	1.748
75S	M75 x 1.5	2 ½" or 3"	19	N/A	62.0	64.8	72.2	60.2	68.0	2.50	0.30-1.00	107	90.0	99.0	2.463
75H	M75 x 1.5	2 ½" or 3"	19	N/A	62.0	71.1	78.0	66.5	73.4	2.50	0.30-1.00	107	90.0	99.0	2.355
75	M75 x 1.5	3"	19	N/A	68.0	71.1	78.0	66.5	73.4	2.50	0.30-1.00	107	90.0	99.0	2.007
80	M80 x 2.0	3" or 3 ½"	25	N/A	72.0	77.0	84.0	71.9	79.4	3.15	0.45-1.00	132	104.0	115.2	3.692
80H	M80 x 2.0	3" or 3 ½"	25	N/A	72.0	79.6	90.0	75.0	85.4	3.15	0.45-1.00	132	104.0	115.2	3.463
85	M85 x 2.0	3" or 3 ½"	25	N/A	78.0	79.6	90.0	75.0	85.4	3.15	0.45-1.00	132	104.0	115.2	3.197
90	M90 x 2.0	3 ½" or 4"	25	N/A	84.0	88.0	96.0	82.0	91.4	3.15	0.45-1.00	132	114.0	125.7	3.900
90H	M90 x 2.0	3 ½" or 4"	25	N/A	84.0	92.0	102.0	87.4	97.4	3.15	0.45-1.00	132	114.0	125.7	3.677
100	M100 x 2.0	3 ½" or 4"	25	N/A	90.0	92.0	102.0	87.4	97.4	3.15	0.45-1.00	132	114.0	125.7	3.404

NOTES

- Gland size does not necessarily equate to the entry thread size.
- Dimensions (A) & (B) may differ for glands with non metric entry threads.
- Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to general machiningtechniques and parts will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- When selecting IP Washer & Shroud material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.