

# BICON E1W-XL

Flameproof Universal Gland Exd & Exe  
Dual Certified ATEX/IECEX

## Application

- Double seal gland for Outdoor or Indoor use.
- For use with single wire armour "W", wire braid "X", elastomer and plastic insulated cables.
- Seals onto and electrically bonds lead inner sheath.
- IP67 ingress protection.
- Suitable for Zone 1 and 2 hazardous areas.
- Nickel plated versions available.



# E1W-XL EEx d IIC & EEx e II Brass Gland

## Technical Data

- > Flameproof Exd and Increased Safety Exe Certified II 2GD
- > Certificate No.s Sira 02ATEX3093X IECEx SIR 10.00070X
- > Ingress Protection: IP66, IP67 (sealing washer req'd between gland & equipment)
- > Continuity connection onto lead inner sheath.
- > Operating temperature -60°C to +90°C
- > May be used in:

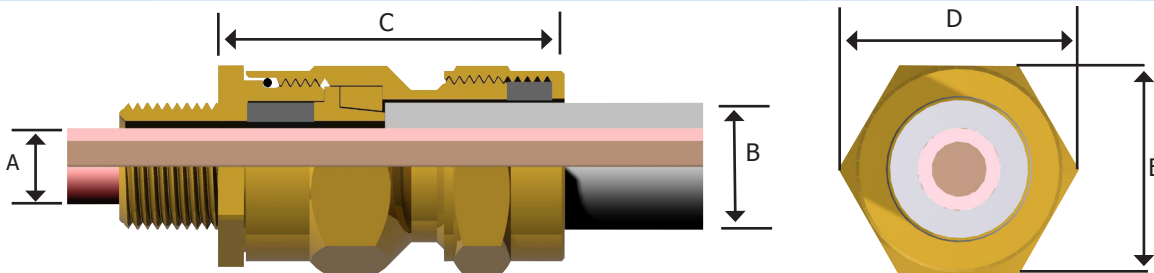
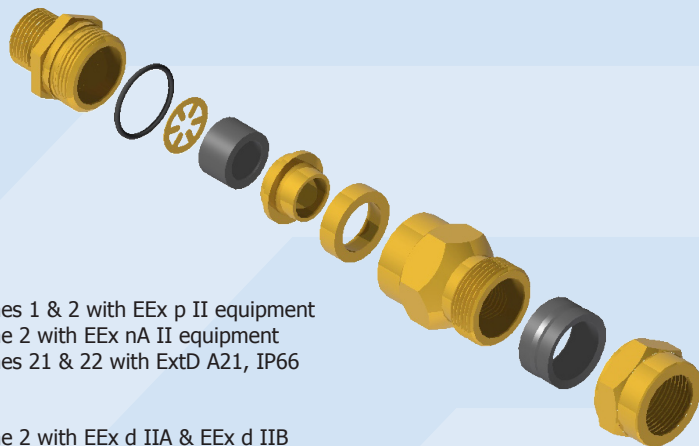
- Zones 0, 1 & 2 with EEx ia IIA, B & C equipment
- Zones 1 & 2 with EEx ib IIA, B & C equipment
- Zones 1 & 2 with EEx e II equipment

- > Where cable is effectively filled may also be used in:

- Zones 1 & 2 with EEx d IIC equipment not containing a source of ignition & with a volume less than 2000cm<sup>3</sup>.
- Zones 1 & 2 with EEx d IIA & EEx d IIB equipment not containing a source of ignition & with any volume.
- Zone 1 with EEx d IIA & EEx d IIB equipment containing a source of ignition & with a volume less than 2000cm<sup>3</sup>.

- Zones 1 & 2 with EEx p II equipment
- Zone 2 with EEx nA II equipment
- Zones 21 & 22 with ExtD A21, IP66

- Zone 2 with EEx d IIA & EEx d IIB equipment containing a source of ignition & with any volume.
- Zone 2 with EEx nR II equipment



Basic Size	Gland References & Thread Sizes				Cable Dimensions mm							Gland Dimensions mm			
	Metric		NPT		Inner Sheath Dia. 'A'		Overall Dia. 'B'		Steel Wire	Braid Wire	Lead Sheath		Approx. Length	Hexagon Size	
	Design No.	Thread Size*	Design No.	Thread Size	Min	Max	Min	Max	Plain Ring	Knurled Ring	Min	Max	'C'	A/C 'D'	A/F 'E'
20SS	472SW71	M20 x 1.5	474NP03	½" - 14 NPT	3.81	8.74	8.0	13.2	0.9	0.2/0.3	3.0	8.0	41.0	26.7	23.4
20S	472SW52	M20 x 1.5	474NP04	½" - 14 NPT	8.00	11.79	8.0	15.8	0.9/1.4	0.2/0.3	4.0	12.0	43.0	29.2	25.7
20S			474NP07	¾" - 14 NPT	8.00	11.79	8.0	15.8	0.9/1.4	0.2/0.3	4.0	12.0	43.0	31.8	27.9
20	472SW53	M20 x 1.5	474NP05	½" - 14 NPT	11.79	14.15	11.7	20.8	0.9/1.4	0.2/0.3	7.0	14.0	43.0	34.0	30.5
20			474NP08	¾" - 14 NPT	11.79	14.15	11.7	20.8	0.9/1.4	0.2/0.3	7.0	14.0	43.0	34.0	30.5
25	472SW55	M25 x 1.5	474NP10	¾" - 14 NPT	14.00	20.12	17.0	27.2	1.25/1.6	0.2/0.45	10.0	20.0	48.0	42.2	37.6
25			474NP14	1" - 11½ NPT	14.00	20.12	17.0	27.2	1.25/1.6	0.2/0.45	10.0	20.0	48.0	42.2	37.6
32	472SW56	M32 x 1.5	474NP15	1" - 11½ NPT	19.70	26.55	23.5	33.5	1.6/2.0	0.3/0.45	15.0	26.0	53.0	53.6	47.2
32			474NP20	1¼" - 11½ NPT	19.70	26.55	23.5	33.5	1.6/2.0	0.3/0.45	15.0	26.0	53.0	53.6	47.2
40	472SW57	M40 x 1.5	474NP21	1¼" - 11½ NPT	26.55	32.42	29.0	39.9	1.6/2.0	0.3/0.45	20.0	32.0	56.0	61.5	56.4
40			474NP27	1½" - 11½ NPT	26.55	32.42	29.0	39.9	1.6/2.0	0.3/0.45	20.0	32.0	56.0	61.5	56.4
50S	472SW58	M50 x 1.5	474NP28	1½" - 11½ NPT	32.42	38.39	38.0	46.2	2.0/2.5	0.3/0.45	24.0	38.0	61.0	66.0	60.0
50S			474NP31	2" - 11½ NPT	32.42	38.39	38.0	46.2	2.0/2.5	0.3/0.45	24.0	38.0	61.0	72.1	65.5
50	472SW59	M50 x 1.5	474NP32	2" - 11½ NPT	38.39	44.33	39.5	52.6	2.0/2.5	0.3/0.45	29.0	44.0	61.0	77.2	70.1
63S	472SW60	M63 x 1.5	474NP33	2" - 11½ NPT	44.33	50.27	50.0	58.9	2.5	0.3/0.45	34.0	50.0	64.0	83.0	75.0
63	472SW61	M63 x 1.5	474NP38	2½" - 8 NPT	50.27	56.24	51.3	65.3	2.5	0.3/0.45	42.0	56.0	64.0	87.4	80.0
75S	472SW62	M75 x 1.5	474NP39	2½" - 8 NPT	56.24	62.18	62.0	71.6	2.5	0.3/0.45	49.0	62.0	73.0	99.1	90.2
75	472SW63	M75 x 1.5	474NP45	3" - 8 NPT	62.18	68.13	62.5	78.0	2.5	0.3/0.45	55.0	68.0	73.0	109.2	98.8
85	472SW64	M85 x 2	474NP47	3" - 8 NPT	68.00	74.00	68.0	88.0	3.15	0.3/0.45	63.0	72.0	102.0	126.0	115.1

\* Entry Threads: 1.5mm pitch threads 15mm long, 2mm pitch threads 20mm long.

\* Nickel plated versions available - add suffix "V" to design No.