

E1WF Ex d IIC / Ex e II

472NP Series



The E1WF weatherproof hazardous area gland is an aluminium dual seal high performance cable gland for steel wire armoured cables.

Features and benefits:

- Brass indoor and outdoor cable gland for use in hazardous areas
- Suitable for circular, galvanised steel wire armour cables with extruded polymeric bedding and oversheath
- Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread sealant
- Three part armour lock provides mechanical cable retention and electrical continuity
- Inner PCP seal grips cable bedding and provides additional ingress protection
- Suitable for most climatic conditions - weatherproof and waterproof
- Standard and Nickel plated versions available
- Full Installation Instructions supplied

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

- Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³
- Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume
- Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³
- Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume
- Zone 2 with Ex nR II equipment

Technical Information:

Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 94/9/EC

Atex Compliance Standards: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

Certificate number Sira 02ATEX3092X

IECEx Compliance Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1

Certificate number IECEx SIR 10.0071X

Service temperature range -60°C to +90°C

Specifications

Gland Reference		Cable Dimensions mm						Gland Dimensions mm				
Design Reference		Size	Under Armour Ø (A)		Overall Ø (B)		Armour Wire Ø	Entry Thread (D)	Thread Length (E)	Protrusion Length (F)	Hexagon	
Standard	Nickel Plated		Min	Max	Min	Max					A/F (G)	A/C (H)
472NP-03	472NP-03V	½" - 16	3.8	8.7	8.0	13.2	0.9	½" NPT	15.5	41	23.4	26.7
472NP-04	472NP-04V	½" - 20S	8.0	8.7	8.0	15.8	0.9 / 1.25	½" NPT	15.5	43	25.7	29.2
472NP-07	472NP-07V	¾" - 20S	8.0	11.8	8.0	15.8	0.9 / 1.25	¾" NPT	16.4	43	27.9	31.8
472NP-05	472NP-05V	½" - 20	11.8	14.2	11.7	20.8	0.9 / 1.25	½" NPT	15.5	43	30.5	34.0
472NP-08	472NP-08V	¾" - 20	11.8	20.1	11.7	20.8	0.9 / 1.25	¾" NPT	16.4	43	30.5	34.0
472NP-10	472NP-10V	¾" - 25	14.0	26.6	17.0	27.2	1.25 / 1.6	¾" NPT	16.4	48	37.6	42.2
472NP-14	472NP-14V	1" - 25	14.0	32.4	17.0	27.2	1.25 / 1.6	1" NPT	19.5	48	37.6	42.2
472NP-15	472NP-15V	1" - 32	19.7	38.4	23.5	33.5	1.6 / 2.0	1" NPT	19.5	53	47.2	53.6
472NP-20	472NP-20V	1¼" - 32	19.7	44.3	23.5	33.5	1.6 / 2.0	1¼" NPT	20.5	53	47.2	53.6
472NP-21	472NP-21V	1¼" - 40	26.6	50.3	29.0	39.9	1.6 / 2.0	1¼" NPT	20.5	56	56.4	61.5
472NP-27	472NP-27V	1½" - 40	26.6	56.2	29.0	39.9	1.6 / 2.0	1½" NPT	21	56	56.4	61.5
472NP-28	472NP-28V	1½" - 50S	32.4	62.2	38.0	46.2	2.0 / 2.5	1½" NPT	21	61	60.0	66.0
472NP-31	472NP-31V	2" - 50S	32.4	68.1	38.0	46.2	2.0 / 2.5	2" NPT	22	61	65.5	72.1
472NP-32	472NP-32V	2" - 50	38.4	74.0	39.5	52.6	2.0 / 2.5	2" NPT	22	61	70.1	77.2
472NP-33	472NP-33V	2" - 63S	44.3	68.1	50.0	58.9	2.5	2" NPT	22	64	75.0	83.0
472NP-38	472NP-38V	2½" - 63	50.3	74.0	51.3	65.3	2.5	2½" NPT	32.5	64	80.0	87.4
472NP-39	472NP-39V	2½" - 75S	56.2	68.1	62.0	71.6	2.5	2½" NPT	32.5	73	90.2	99.1
472NP-45	472NP-45V	3" - 75	62.2	74.0	62.5	78.0	2.5	3" NPT	33.5	73	98.8	109.2
472NP-47	472NP-47V	3" - 80	68.0	68.1	68.0	88.0	3.15	3" NPT	33.5	102	115.1	126.0

*NPT Threaded glands are supplied as glands only.

**Other NPT sizes available upon request.

