

Barr-W Ex d IIC 424TW Series



The Barr W is a barrier type cable gland for steel wire armoured cables which aids the control of migrating gasses. The Barr W includes bicaseal putty and is the best choice for when the highest level of hazardous protection is required.

Features and benefits:

- Brass indoor and outdoor cable gland for use in Zone 1 and Zone 2 hazardous areas
- Suitable for circular, galvanised steel single wire armour cables with extruded polymeric oversheath and extruded or taped bedding
- Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread sealant
- Provides mechanical cable retention and electrical continuity through the armour wire termination
- Suitable for most climatic conditions - weatherproof and waterproof
- Standard and Nickel plated versions available
- Full Installation Instructions supplied



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 Sira04ATEX1080X

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

Certificate number IECEX SIR 10.0072X

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

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 d IIA, B & C equipment with any volume
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zone 2 with Ex nR II equipment
- Zones 21 & 22 with Ext d A21

Specifications

Gland Reference				Cable Dimensions mm						Gland Dimensions mm					
Design Reference		Size		Max. Dia. Over Conductors	Max. No. of Conductors	Inner Sheath Ø		Overall Ø (B)		Armour Wire Ø	Entry Thread (D)	Thread Length (E)	Protrusion Length (F)	Hexagon	
Standard	Nickel Plated	Metric	NPT			Min	Max	Min	Max					A/F (G)	A/C (H)
424TW-52	424TW-52V	20S		11.0	30	—	11.5	8.0	15.8	0.9 / 1.4	M20 × 1.5	15	67	30.5	34
424TW-53	424TW-53V	20		11.0	30	—	12.5	11.7	20.8	0.9 / 1.4	M20 × 1.5	15	64	30.5	34
424TW-55	424TW-55V	25		16.0	42	11.5	18.0	17.0	27.2	1.25 / 1.6	M25 × 1.5	15	65	37.6	42.2
424TW-56	424TW-56V	32		22.1	60	17.0	25.0	19.0	33.5	1.6 / 2.0	M32 × 1.5	15	77	47.3	53.6
424TW-57	424TW-57V	40		28.2	100	24.0	31.5	26.5	39.9	1.6 / 2.0	M40 × 1.5	15	77	56.4	61.5
424TW-59	424TW-59V	50		37.1	200	30.0	41.5	36.0	52.6	2.0 / 2.5	M50 × 1.5	15	84	70.1	77.2
424TW-61	424TW-61V	63		48.4	400	40.0	54.0	46.5	65.3	2.5	M63 × 1.5	15	90	80	87.4
424TW-63	424TW-63V	75		58.6	400	53.0	65.5	58.0	78.0	2.5 / 3.15	M75 × 1.5	15	96	98.8	109.2
424TW-64	424TW-64V	85		65.8	400	60.0	74.0	68.0	88.0	2.5 / 3.15	M85 × 2	20	108	115	126
424TW-02	424TW-02V	½" - 20S		11.0	30	—	11.5	8.0	15.8	0.9 / 1.4	½" NPT	21.9	67	30.5	34
424TW-03	424TW-03V	½" - 20		11.0	30	—	12.5	11.7	20.8	0.9 / 1.4	½" NPT	21.9	64	30.5	34
424TW-05	424TW-05V	¾" - 25		16.0	42	11.5	18.0	17.0	27.2	1.25 / 1.6	¾" NPT	22.2	65	37.6	42.2
424TW-06	424TW-06V	1" - 32		22.1	60	17.0	25.0	19.0	33.5	1.6 / 2.0	1" NPT	27.5	77	47.3	53.6
424TW-07	424TW-07V	1¼" - 40		28.2	100	24.0	31.5	26.5	39.9	1.6 / 2.0	1¼" NPT	28.1	77	56.4	61.5
424TW-09	424TW-09V	2" - 50		37.1	200	30.0	41.5	36.0	52.6	2.0 / 2.5	2" NPT	29.4	84	70.1	77.2
424TW-11	424TW-11V	2½" - 63		48.4	400	40.0	54.0	46.5	65.3	2.5	2½" NPT	43.4	90	80	87.4
424TW-13	424TW-13V	3" - 75		58.6	400	53.0	65.5	58.0	78.0	2.5 / 3.15	3" NPT	45.0	96	98.8	109.2
424TW-14	424TW-14V	3" - 85		65.8	400	60.0	74.0	68.0	88.0	2.5 / 3.15	3" NPT	45.0	108	115	126

*Other NPT sizes available upon request.

