

Barr-PB Ex d IIC 424TP Series



The Barr Pb is a barrier type cable gland for lead sheathed cables which aids the control of migrating gasses. The Barr Pb 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 Lead Inner sheath
- 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
- Provides electrical continuity to the inner lead sheath
- 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 Extd A21

Specifications

Gland Reference				Cable Dimensions mm						Gland Dimensions mm					
Design Reference		Size		Max. Dia. Over Conductors	Max. No. of Conductors	Lead 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)
424TP-52	424TP-52V	20S		11.0	30	7	9.5	8.0	15.8	0.9 / 1.25	M20 × 1.5	15	67	30.5	34
424TP-53	424TP-53V	20		11.0	30	8	12.0	11.7	20.8	0.9 / 1.25	M20 × 1.5	15	64	30.5	34
424TP-85*	424TP-85V*	25		16.0	42	11	17.0	17.0	27.2	0.9 / 1.25	M25 × 1.5	15	65	37.6	42.2
424TP-55	424TP-55 V	25		16.0	42	11.0	17.0	17.0	27.2	1.25 / 1.6	M25 × 1.5	15	65	37.6	42.2
424TP-86*	424TP-86V*	32		22.1	60	15.5	23.2	19.0	33.5	1.25 / 1.6	M32 × 1.5	15	77	47.3	53.6
424TP-56	424TP-56V	32		22.1	60	15.5	23.2	19.0	33.5	1.6 / 2.0	M32 × 1.5	15	77	47.3	53.6
424TP-57	424TP-57V	40		28.2	100	22.5	29.0	26.5	39.9	1.6 / 2.0	M40 × 1.5	15	77	56.4	61.5
424TP-89*	424TP-89V*	50		37.1	200	28.5	40.0	36.0	52.6	1.6	M50 × 1.5	15	84	70.1	77.2
424TP-59	424TP-59V	50		37.1	200	28.5	40.0	36.0	52.6	2.0 / 2.5	M50 × 1.5	15	84	70.1	77.2
424TP-61	424TP-61V	63		48.4	400	39.0	51.8	46.5	65.3	2.5	M63 × 1.5	15	90	80	87.4
424TP-63	424TP-63V	75		58.6	400	51.5	64.0	58.0	78.0	2.5 / 3.15	M75 × 1.5	15	96	98.8	109.2
424TP-64	424TP-64V	85		65.8	400	63.0	70.0	68.0	88.0	2.5 / 3.15	M85 × 2	20	108	115	126
424TP-02	424TP-02V	½" -20s		11.0	30	7.0	9.5	8.0	15.8	0.9 / 1.25	½" NPT	21.9	67	30.5	34
424TP-03	424TP-03V	½" -20		11.0	30	8.0	12.0	11.7	20.8	0.9 / 1.25	½" NPT	21.9	64	30.5	34
424TP-35*	424TP-35V*	¾" -25		16.0	42	11.0	17.0	17.0	27.2	0.9 / 1.25	¾" NPT	22.2	65	37.6	42.2
424TP-05	424TP-05V	¾" -25		16.0	42	11.0	17.0	17.0	27.2	1.25 / 1.6	¾" NPT	22.2	65	37.6	42.2
424TP-36*	424TP-36V*	1" -32		22.1	60	15.5	23.2	19.0	33.5	1.25 / 1.6	1" NPT	27.5	77	47.3	53.6
424TP-06	424TP-06V	1" -32		22.1	60	15.5	23.2	19.0	33.5	1.6 / 2.0	1" NPT	27.5	77	47.3	53.6
424TP-07	424TP-07V	1 ¼" -40		28.2	100	22.5	29.0	26.5	39.9	1.6 / 2.0	1 ¼" NPT	28.1	77	56.4	61.5
424TP-39*	424TP-39V*	2" -50		37.1	200	28.5	40.0	36.0	52.6	1.6	2" NPT	29.4	84	70.1	77.2
424TP-09	424TP-09V	2" -50		37.1	200	28.5	40.0	36.0	52.6	2.0 / 2.5	2" NPT	29.4	84	70.1	77.2
424TP-11	424TP-11V	2 ½" -63		48.4	400	39.0	51.8	46.5	65.3	2.5	2 ½" NPT	43.4	90	80	87.4
424TP-13	424TP-13V	3" -85		58.6	400	51.5	64.0	58.0	78.0	2.5 / 3.15	3" NPT	45.0	96	98.8	109.2
424TP-14	424TP-14V	3" -85		65.8	400	63.0	70.0	68.0	88.0	2.5 / 3.15	3" NPT	45.0	108	115	126

* Sizes 85, 86, 89, 35, 36 & 39 are designated BARR-PBS and are designed to suit smaller diameter armour wires.

