

Explosion Proof Glands

BARR-Pb EEx d IIC Brass Barrier Gland 424TP Series



Application

- > For lead sheathed OCMA type cables

Features & Benefits



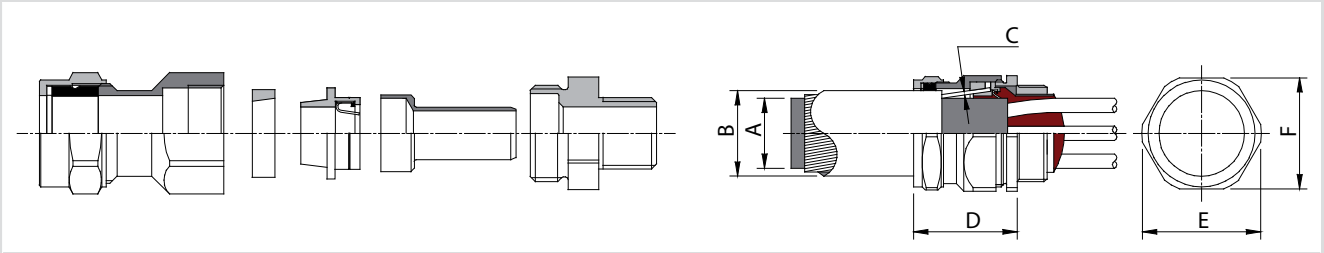
- > Brass indoor and outdoor cable gland for use in Zone 1 and Zone 2 hazardous areas
- > Suitable for circular, galvanised steel single wire armour cables with extruded polymeric oversheath and lead inner sheath
- > Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread 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 & waterproof
- > Nickel plated versions also available
- > Matching accessory kits available

Technical Data

- > Certified II 2GD, EEx e II & EEx d IIC under ATEX directive 94/9/EC
- > Certificate number Sira04ATEX1080X
- > Service temperature range –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 d IIA, B & C equipment with any volume
 - Zones 1 & 2 with EEx e II equipment
 - Zones 1 & 2 with EEx p II equipment
 - Zone 2 with EEx nA II equipment
 - Zone 2 with EEx nR II equipment
 - Zones 21 & 22 with EEx tD II equipment



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Gland Details

GLAND REFERENCES & THREAD SIZES			CABLE DIMENSIONS, mm							GLAND DIMENSIONS		
BASIC SIZE	METRIC		MAXIMUM DIA. OVER CONDUCTORS	MAXIMUM NUMBER OF CONDUCTORS	LEAD SHEATH DIA. 'A'		OVERALL DIA. 'B'		ARMOUR WIRE DIA. 'C'	APPROXIMATE LENGTH 'D'	HEXAGON SIZE	
	DESIGN NUMBER	THREAD SIZE			MIN	MAX	MIN	MAX			A/C 'E'	A/F 'F'
20S	424TP52	M20 × 1.5	11.0	30	7.0	9.5	8.0	15.8	0.9 / 1.4	67	34.0	30.5
20	424TP53	M20 × 1.5	11.0	30	8.0	12.0	11.7	20.8	0.9 / 1.4	64	34.0	30.5
25	424TP85 *	M25 × 1.5	16.0	42	11.0	17.0	17.0	27.2	0.9 / 1.25	65	42.2	37.6
25	424TP55	M25 × 1.5	16.0	42	11.0	17.0	17.0	27.2	1.25 / 1.6	65	42.2	37.6
32	424TP86 *	M32 × 1.5	22.1	60	15.5	23.2	19.0	33.5	1.25 / 1.6	77	53.6	47.3
32	424TP56	M32 × 1.5	22.1	60	15.5	23.2	19.0	33.5	1.6 / 2.0	77	53.6	47.3
40	424TP57	M40 × 1.5	28.2	100	22.5	29.0	26.5	39.9	1.6 / 2.0	77	61.5	56.4
50	424TP89 *	M50 × 1.5	37.1	200	28.5	40.0	36.0	52.6	1.6	84	77.2	70.1
50	424TP59	M50 × 1.5	37.1	200	28.5	40.0	36.0	52.6	2.0 / 2.5	84	77.2	70.1
63	424TP61	M63 × 1.5	48.4	400	39.0	51.8	46.5	65.3	2.5	90	87.4	80.0
75	424TP63	M75 × 1.5	58.6	400	51.5	64.0	58.0	78.0	2.5 / 3.15	96	109.2	98.8
85	424TP64	M85 × 2	65.8	400	63.0	70.0	68.0	88.0	2.5 / 3.15	108	126.0	115.0

* Sizes 424TP85, 424TP86, and 424TP89 are designated BARR-PBS and are designed to suit smaller diameter armour wires. They are available to special order and subject to minimum order quantities.