

## TL-EX-ACGX Series Explosion-proof Cable Glands

### 1 Application and Features

- Explosion protection  
ATEX
- Application in hazardous area  
Zone 1 and Zone 2,  
Zone 21 and Zone 22
- Explosion protection types  
II 2G Ex db IIC Gb  
II 2D Ex tb IIIC Db
- Designed for termination of armoured cables in explosion-proof equipment.
- Provides reliable cable retention, sealing and mechanical protection.
- Suitable for hazardous environments where flameproof integrity must be maintained.
- Available for various cable diameters and thread types including NPT, Gas and Metric.
- Multiple sealing components ensure secure clamping of cable armour and inner sheath.
- Provides IP67 ingress protection when installed correctly.
- Manufactured from corrosion-resistant metal materials suitable for industrial environments.
- Suitable for oil & gas, petrochemical plants, refineries and industrial hazardous areas.



### 2 Technical parameters

Cable Gland Thread Type			TL-EX-ACG1 Cable				TL-EX-ACG2 Cable				
			Diameter (Ø mm)		Thread Size (mm)	Size (mm)	Diameter (Ø mm)		Thread Size (mm)	Size (mm)	
NPT	Gas	Metric	Entry	Outlet			Entry	Outlet			
NPT	G 1/2"	M20 x 1,5	5-12	12	15	73	5-15	5-10	15	71	
NPT	G 3/4"	M25 x 1,5	8-20	18	15	73	11-20	8-15	15	72	
NPT	G 1"	M32 x 1,5	10-25	22	17	82	14-27	11-20	17	77	
NPT	G 1 1/2"	M40 x 1,5	12-30	30	17	89	19-33	14-27	19	86	
NPT	G 1 1/4"	M50 x 1,5	14-38	34	17	123	22-40	16-31	19	89	
NPT	G 2"	M63 x 1,5	20-48	44	17	123	29-50	29-43	19	89	
NPT	G 2 1/2"	M75 x 1,5	24-58	52	17	129	35-63	38-55	20	97	
NPT	G 3"	M88 x 1,5	30-76	65	17	143	41-77	48-65	24	106	
NPT	G 4"	M100 x 1,5	45-102	84	17	160	61-104	48-90	26	116	



## TL-EX-ACGX Series Explosion-proof Cable Glands

Cable Type	Gland	Thread	TL-EX-ACG3 Cable			
			Diameter (Ø mm) Entry		Thread Size (mm)	Size (mm)
			Entry	Outlet		
NPT	G 1/2"	M20 x 1,5	5-15	5-10	15	71
NPT	G 3/4"	M25 x 1,5	11-20	8-15	15	72
NPT	G 1"	M32 x 1,5	14-27	11-20	17	77
NPT	G 1 ½ "	M40 x 1,5	19-33	14-27	19	86
NPT	G 1 ¼ "	M50 x 1,5	22-40	16-31	19	89
NPT	G 2"	M63 x 1,5	29-50	29-43	19	89
NPT	G 2 ½ "	M75 x 1,5	35-63	38-55	20	97
NPT	G 3"	M88 x 1,5	41-77	48-65	24	106
NPT	G 4"	M100 x 1,5	61-104	48-90	26	116



### 3 Selection Table

Cable Type	Gland	Thread	TL-EX-ACG4 Cable				TL-EX-ACG5 Cable				
			Diameter (Ø mm) Entry		Thread Size (mm)	Size (mm)	Diameter (Ø mm) Entry		Thread Size (mm)	Size (mm)	
			Entry	Outlet			Entry	Outlet			
NPT	G 1/2"	M20 x 1,5	9-18	9-14	15	65	7-15	5-8	15	60	
NPT	G 3/4"	M25 x 1,5	17-24	13-20	15	40	8-15	5-12	15	75	
NPT	G 1"	M32 x 1,5	23-32	18-26	15	50	11-20	8-17	15	80	
NPT	G 1 ½ "	M40 x 1,5	31-38	25-32	15	57	14-27	11-22	17	88	
NPT	G 1 ¼ "	M50 x 1,5	37-44	31-38	15	62	19-33	14-28	17	123	
NPT	G 2"	M63 x 1,5	45-55	36-47	16	70	22-40	16-33	17	123	
NPT	G 2 ½ "	M75 x 1,5	58-68	45-58	18	90	29-50	29-43	17	123	
NPT	G 3"	M88 x 1,5	67-79	56-67	20	102	35-63	38-57	17	142	
NPT	G 4"	M100 x 1,5	78-89	65-75	20	115	41-77	38-72	18	161	