

# T3 Series Nickel Plated Brass Cable Glands

## For all Types of Armored Cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20  
Gas (G) and Dust (D)

### Applications

- Cable gland for all types of armored cable certified for enclosures with the following protection modes:
  - Ex d flameproof IIB or IIC.
  - Ex e increased safety.
  - Ex nR restricted breathing.
  - Ex d flameproof.
- Hazardous areas (gas and dust).
- Onshore and offshore.

### Features

- Cable gland with elastomer seal for use in hazardous areas with all types of armored cable.
- This product utilizes a unique Compensating Displacement Seal (CDS) system which provides full compatibility with restricted breathing equipment.
- The CDS system is designed to alleviate any pressure on soft bedded cables.
- The cable gland allows mechanical cable retention and earth continuity via armor termination.
- A reversible armor cone and AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from equipment.

- The cable gland is IP66/68 rated with deluge protection to DTS01: 91.
- Inspection of the armor can be carried out while still maintaining the protection mode of the enclosure.
- Sealing Technique : Inner Displacement Seal and LRS (load retention seal) outer seal.

### Standard Materials

- Body: nickel plated brass.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.

### Options

- 316L stainless steel version: replace last digit 5 with 4
- Lead sheath version: replace T3 with T3PB
- Aluminum: replace last digit 5 with 1
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings

Cable Gland Size	Metric Thread C	Standard Metric ①	Standard NPT Thread C	Catalog Numbers			Minimum Thread Length mm E
				Standard NPT ①	Optional NPT Thread C	Optional NPT Thread ①	
20S16	M20	<b>2016T35</b>	1/2"	<b>2016T30505</b>	3/4"	<b>2016T30755</b>	15.0
20S	M20	<b>20ST35</b>	1/2"	<b>20ST30505</b>	3/4"	<b>20ST30755</b>	15.0
20	M20	<b>20T35</b>	1/2"	<b>20T30505</b>	3/4"	<b>20T30755</b>	15.0
25S	M25	<b>25ST35</b>	3/4"	<b>25ST30755</b>	1"	<b>25ST31005</b>	15.0
25	M25	<b>25T35</b>	3/4"	<b>25T30755</b>	1"	<b>25T31005</b>	15.0
32	M32	<b>32T35</b>	1"	<b>32T31005</b>	1-1/4"	<b>32T31255</b>	15.0
40	M40	<b>40T35</b>	1-1/4"	<b>40T31255</b>	1-1/2"	<b>40T31505</b>	15.0
50S	M50	<b>50ST35</b>	1-1/2"	<b>50ST31505</b>	2"	<b>50ST32005</b>	15.0
50	M50	<b>50T35</b>	2"	<b>50T32005</b>	2-1/2"	<b>50T32505</b>	15.0
63S	M63	<b>63ST35</b>	2"	<b>63ST32005</b>	2-1/2"	<b>63ST32505</b>	15.0
63	M63	<b>63T35</b>	2-1/2"	<b>63T32505</b>	3"	<b>63T33005</b>	15.0
75S	M75	<b>75ST35</b>	2-1/2"	<b>75ST32505</b>	3"	<b>75ST33005</b>	15.0
75	M75	<b>75T35</b>	3"	<b>75T33005</b>	3-1/2"	<b>75T33505</b>	24.0
90	M90	<b>90T35</b>	3-1/2"	<b>90T33505</b>	4"	<b>90T34005</b>	24.0
100	M100	<b>100T35</b>	4"	<b>100T34005</b>	5"	<b>100T35005</b>	24.0
115	M115	<b>115T35</b>	4"	<b>115T34005</b>	5"	<b>115T35005</b>	24.0
130	M130	<b>130T35</b>	5"	<b>130T35005</b>	6"	<b>130T36005</b>	24.0

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

Shaded catalog numbers are normally stocked items. All other items are made to order.

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### ATEX/IECEx Certifications and Compliances

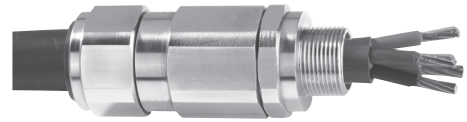
- **Certification Type T3CDS**
  - Gas: Zones 1 and 2
    - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - Dust: Zone 20
    - Type of Protection: Ex ta IIIC Da
  - Conforming to ATEX 94/9/CE: Ⓢ II 2G 3G 1D
  - Ambient Temperature: -60 °C to +130 °C
  - CE Declaration of Conformity: DC07001
  - ATEX Certificate: Sira 13ATEX1073X, Sira 13ATEX4079X
  - IECEx Certificate: IECEx SIR 13.0028X, IECEx SIM 14.0007X
  - Other Certifications: cCSAus, UL, CCOE/PESO (india)
  - Marine Approval: LLOYDS, DNV, ABS
  - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
  - Deluge Protection Compliance: DTS01:91

### INMETRO Certification

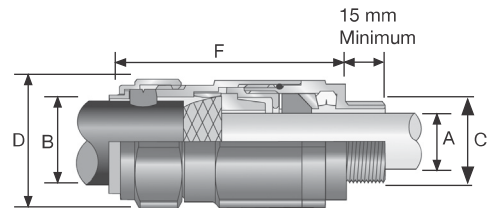
- INMETRO Certificate: TÜV 11.0374X

### EURASEC Certification

- TC RU C-GB.ГБ.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Cable Bedding Diameter mm A		Overall Cable Diameter mm B		Across Corners mm D	Across Flats mm D	Protrusion Length mm F	Cable Gland Weight kg
	Min	Max	Min	Max				
20S16	3.1	8.6	6.1	13.1	26.4	24.0	78.7	0.20
20S	6.1	11.6	9.5	15.9	26.4	24.0	78.7	0.20
20	6.5	13.9	12.5	20.9	33.6	30.5	76.2	0.28
25S	11.1	19.9	14.0	22.0	41.3	37.5	88.8	0.44
25	11.1	19.9	18.2	26.2	41.3	37.5	88.7	0.44
32	17.0	26.2	23.7	33.9	50.6	46.0	90.7	0.63
40	22.0	32.1	27.9	40.4	60.5	55.0	93.2	0.91
50S	29.5	38.1	35.2	46.7	66.0	60.0	100.7	1.12
50	35.6	44.0	40.4	53.0	77.1	70.1	105.8	1.60
63S	40.1	49.9	45.6	59.4	82.5	75.0	102.5	1.73
63	47.2	55.9	54.6	65.8	88.0	80.0	105.4	1.78
75S	52.8	61.9	59.0	72.0	99.0	90.0	110.6	2.57
75	59.1	67.9	66.7	78.4	110.0	100.0	120.3	3.33
90	66.6	78.6	76.2	90.3	126.5	115.0	138.9	4.87
100	76.0	90.9	86.1	101.4	139.7	127.0	128.2	4.97
115	86.0	97.9	101.5	110.2	151.8	138.0	161.3	7.72
130	97.0	114.9	110.2	123.2	172.7	157.0	173.3	9.78