

**T3CDS**

Ex e Ex d Ex nR Ex ta

Triton CDS (T3CDS) Globally Approved, Hazardous (Classified) Location Cable Gland

For all types of Armoured Cables

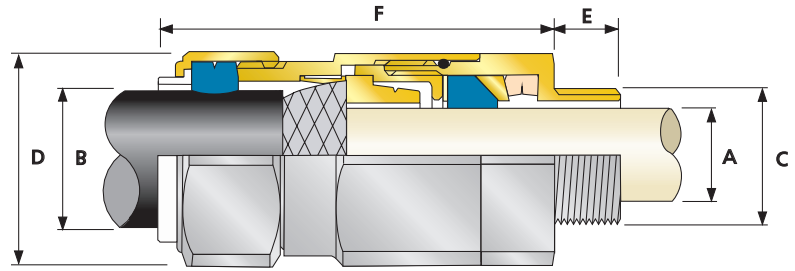
- Fully sequential, three step installation procedure
- Reduces installation times, cost & risk
- Direct & remote installation
- Unique compensating displacement seal system (CDS)
 - Metal-to-metal installation every time regardless of cable diameter
- Designed to prevent Coldflow
- Integral protected deluge seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- 76°F to 266°F (standard), -4°F to 392°F (ThermEx option page 91)
- Class I Zone 1, 21 and Zone 2, 22 Class I Division 2 ABCD
- Globally marked, UL, cCSAus, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armour (STA, DSTA) and Aluminium Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminium Wire Armour (AWA) and Pliable Wire Armour (PWA) if the range is outside that of the Stepped Cone (W).

Note: Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armour cables. Tapes can also be doubled over. For cables that have only a single layer of armour such as SWA the clamping range should be used as shown in the table below.

Stepped (W) Cone is suitable for Single Wire Armour (SWA), or Aluminium Wire Armour (AWA) cables.



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classification*	Category B (Category A when used with braid, tape or pliable wire armour cables)
ATEX Certificate	SIRA13ATEX1073X, SIRA13ATEX4079X
Code of Protection	⊕ II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIC Da, Ⓢ II 3G Ex nR IIC Gc, Ⓢ I M2, Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0, 1, 7, 15, 31
IECEx Certificate	IECEx SIR 13.0028X, IECEx SIM 14.0007X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0, 1, 7, 15, 31
cCSAus Certificate (20s16 - 90)	1310517
Code of Protection	Class I, Div 2, Groups A, B, C and D, Class II, Div 2, Groups E, F and G, Class III, Enclosure Type 3, 4 and 4X, Ex d IIC, Ex e IIC, Ex nR II, Class I, Zone 1, AEx e II, AEx nR II
Compliance Standards	CAN/CSA-C22.2 No 0, 18, 25, 30, 94, 174, CAN/CSA-E60079-0, 1, 7, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0, 1, 7
UL Certificate (20s16 - 90)	E200163
Code of Protection	Class I, Zone 1, AEx e II
Compliance Standards	UL514B
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.В00138
NEPSI Certificate	GYJ13.1141X / GYJ13.1283X
CCOE / PESO (India) Certificate	P333688
INMETRO Certificate	TUV 11.0374X
RETIE Certificate	03866
Marine Certificates	LRS: 01/00172 (E3), DNV: E-13848, ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 & IP68 **
Deluge Protection Compliance	DTS01 : 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type(s)	Steel / Served Wire Armour (SWA), Aluminium Wire Armour (AWA), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Aluminium Strip Armour (ASA), Screened Flexible (EMC) Wire Braid (e.g. CY/SY), Wire Braid Armour (e.g. SWB)
Armour Clamping	Reversible Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Inner Bedding Sealing Ring: Compensating Displacement Seal (CDS), Outer Sheath Sealing Ring: Load Retention Seal (LRS)
Sealing Area(s)	Cable Inner Bedding & Outer Cable Sheath

Note : * Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

Note : ** Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

Cable Gland Selection Table

Refer to illustration at the top of the page

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)			Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range †				Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (ozs)
	NPT	NPT (Option)	Metric (Option)		Min	Max	Min	Max	Grooved Cone (X)		Stepped Cone (W)									
									Min	Max	Min	Max	Max	Max						
20s16	1/2"	3/4"	M20	0.78	0.122	0.339	0.240	0.516	0.012	0.040	0.031	0.049	0.945	1.039	3.096	20S16	T3CDS	1RA531	PVC36	7.055
20S	1/2"	3/4"	M20	0.78	0.240	0.457	0.374	0.626	0.012	0.040	0.031	0.049	0.945	1.039	3.096	20S	T3CDS	1RA531	PVC36	6.914
20	1/2"	3/4"	M20	0.78	0.256	0.547	0.492	0.823	0.016	0.040	0.031	0.049	1.201	1.321	2.998	20	T3CDS	1RA531	PVC06	9.771
25S	3/4"	1"	M25	0.80	0.437	0.783	0.551	0.866	0.016	0.048	0.049	0.063	1.476	1.624	3.494	25S	T3CDS	1RA532	PVC09	15.344
25	3/4"	1"	M25	0.80	0.437	0.783	0.717	1.031	0.016	0.048	0.049	0.063	1.476	1.624	3.493	25	T3CDS	1RA532	PVC09	15.344
32	1"	1 1/4"	M32	0.98	0.669	1.031	0.933	1.335	0.016	0.048	0.063	0.079	1.811	1.992	3.569	32	T3CDS	1RA533	PVC11	22.328
40	1 1/4"	1 1/2"	M40	1.01	0.866	1.264	1.098	1.591	0.016	0.062	0.063	0.079	2.165	2.382	3.667	40	T3CDS	1RA534	PVC15	31.923
50S	1 1/2"	2"	M50	1.03	1.161	1.500	1.386	1.839	0.016	0.062	0.079	0.098	2.362	2.598	3.963	50S	T3CDS	1RA535	PVC18	39.648
50	2"	2 1/2"	M50	1.06	1.402	1.732	1.591	2.087	0.024	0.062	0.079	0.098	2.760	3.036	4.163	50	T3CDS	1RA536	PVC21	56.579
63S	2"	2 1/2"	M63	1.06	1.579	1.965	1.795	2.339	0.024	0.062	0.079	0.098	2.953	3.244	4.033	63S	T3CDS	1RA536	PVC23	61.095
63	2 1/2"	3"	M63	1.57	1.858	2.201	2.150	2.591	0.024	0.062	0.079	0.098	3.150	3.465	4.148	63	T3CDS	1RA537	PVC25	62.717
75S	2 1/2"	3"	M75	1.57	2.079	2.437	2.323	2.835	0.024	0.062	0.079	0.098	3.543	3.898	4.352	75S	T3CDS	1RA537	PVC28	90.700
75	3"	3 1/2"	M75	1.63	2.327	2.673	2.626	3.087	0.024	0.062	0.098	0.118	3.937	4.331	4.734	75S	T3CDS	1RA538	PVC30	117.927
90	3 1/2"	4"	M90	1.69	2.622	3.094	3.000	3.555	0.032	0.062	0.124	0.157	4.528	4.980	5.467	90	T3CDS	1RA539	PVC32	171.734
100	4"	5"	M75	1.73	2.992	3.579	3.390	3.992	0.032	0.062	0.124	0.157	5.000	5.500	5.045	100	T3CDS	1RA5310	LSF33	175.276
115	4"	5"	M75	1.73	3.386	3.854	3.996	4.339	0.032	0.062	0.124	0.157	5.433	5.976	6.348	115	T3CDS	1RA5311	LSF34	272.350
130	5"	6"	M90	1.84	3.819	4.524	4.339	4.850	0.032	0.062	0.124	0.157	6.000	6.799	6.821	130	T3CDS	1RA5312	LSF35	344.374

*Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminium "1" For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32T3CDS1RA533534 = Nickel Plated Brass 1-1/4" NPT, 50S73CDS1RA536035 = Brass 1-1/2" NPT, 25T3CDS1RA532432 = Stainless Steel 3/4" NPT, 20T3CDS1RA5315 = Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated