

Cable glands Ex e & Ex d & Ex nR & Ex ta

Series T3CDS for all types of armoring without lead sheath

STAHL

E10



- Ex d and Ex e cable gland with multifunctional holder for different types of armoring
- Compensating displacement seal (CDS), flood seal with integral protection, controlled outer load retention seal
- EMC-tested, globally certified in accordance with IECEx, ATEX, TR CU, UL and cCSAus

MY R. STAHL T3CDSA



The Series T3CDS metal Ex d and Ex e cable glands are suitable for all types of armoured cables, i.e. for SWA, wire-braid and tape armoring made of steel and aluminium. They have a multifunctional holder for the armoring and various seals. They are also designed to prevent cold flow and are EMC-tested. Their auxiliary functions and the sequential, three-stage installation offer increased safety and reduce the amount of time, costs and risks involved in installation.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•	•	•	•

Selection Table										
Thread standard Material note		metric Stainless steel variants also available								
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Protrusion length	Grooved cone	Stepped cone	PVC boot	Art. No.	Weight
20	M20	6.5 ... 13.9 mm	12.5 ... 20.9 mm	30.5 mm	76.2 mm	0.4 ... 1 mm	0.8 ... 1.25 mm	PVC06	246561	280 g
20s/16	M20	3.1 ... 8.6 mm	6.1 ... 13.1 mm	24 mm	78.7 mm	0.3 ... 1 mm	0.8 ... 1.25 mm	PVC36	246560	200 g
25	M25	11.1 ... 19.9 mm	18.2 ... 26.2 mm	37.5 mm	88.7 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	246562	440 g
25s	M25	11.1 ... 19.9 mm	14 ... 22 mm	37.5 mm	88.8 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	251726	440 g
32	M32	17 ... 26.2 mm	23.7 ... 33.9 mm	46 mm	90.7 mm	0.4 ... 1.2 mm	1.6 ... 2 mm	PVC11	246563	630 g
40	M40	22 ... 32.1 mm	27.9 ... 40.4 mm	55 mm	93.2 mm	0.4 ... 1.6 mm	1.6 ... 2 mm	PVC15	246564	910 g
50	M50	35.6 ... 44 mm	40.4 ... 53 mm	70.1 mm	105.8 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC21	246566	1.6 kg
50s	M50	29.5 ... 38.1 mm	35.2 ... 46.7 mm	60 mm	100.7 mm	0.4 ... 1.6 mm	2 ... 2.5 mm	PVC18	246565	1.12 kg
63	M63	47.2 ... 55.9 mm	54.6 ... 65.8 mm	80 mm	105.4 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC25	246568	1.78 kg
63s	M63	40.1 ... 49.9 mm	45.6 ... 59.4 mm	75 mm	102.5 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC23	246567	1.73 kg
75	M75	59.1 ... 67.9 mm	66.7 ... 78.4 mm	100 mm	120.3 mm	0.6 ... 1.6 mm	2.5 ... 3 mm	PVC30	246570	3.33 kg
75s	M75	52.8 ... 61.9 mm	59 ... 72 mm	90 mm	110.6 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC28	246569	2.57 kg
Thread standard Material note		NPT Stainless steel variants also available								
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Protrusion length	Grooved cone	Stepped cone	PVC boot	Art. No.	Weight
20	NPT1/2	6.5 ... 13.9 mm	12.5 ... 20.9 mm	30.5 mm	76.2 mm	0.4 ... 1 mm	0.8 ... 1.25 mm	PVC06	246572	280 g
20s/16	NPT1/2	3.1 ... 8.6 mm	6.1 ... 13.1 mm	24 mm	78.7 mm	0.3 ... 1 mm	0.8 ... 1.25 mm	PVC36	246571	200 g
25	NPT3/4	11.1 ... 19.9 mm	18.2 ... 26.2 mm	37.5 mm	88.7 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	246573	440 g

Selection Table

Thread standard		NPT Stainless steel variants also available								
Material note										
Gland size	Thread size	Inner sheath	Outer sheath	Width across flats	Protrusion length	Grooved cone	Stepped cone	PVC boot	Art. No.	Weight
25s	NPT3/4	11.1 ... 19.9 mm	14 ... 22 mm	37.5 mm	88.8 mm	0.4 ... 1.2 mm	1.25 ... 1.6 mm	PVC09	251727	440 g
32	NPT1	17 ... 26.2 mm	23.7 ... 33.9 mm	46 mm	90.7 mm	0.4 ... 1.2 mm	1.6 ... 2 mm	PVC11	246574	630 g
40	NPT1-1/4	22 ... 32.1 mm	27.9 ... 40.4 mm	55 mm	93.2 mm	0.4 ... 1.6 mm	1.6 ... 2 mm	PVC15	246575	910 g
50	NPT2	35.6 ... 44 mm	40.4 ... 53 mm	70.1 mm	105.8 mm	0.6 ... 1.6 mm	2 ... 2.5 mm	PVC21	246577	1.6 kg
50s	NPT1-1/2	29.5 ... 38.1 mm	35.2 ... 46.7 mm	60 mm	100.7 mm	0.4 ... 1.6 mm	2 ... 2.5 mm	PVC18	246576	1.12 kg

Versions with country codes BRA, CHN and others available on request.

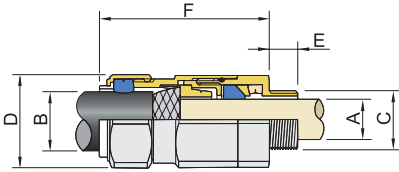
Grooved cone: For cables with wire-braid or tape armouring
Smooth cone: For cables with wire armouring (SWA)

Technical Data

Explosion Protection	
IECEX gas explosion protection	Ex db IIC Gb
IECEX gas explosion protection 2	Ex eb IIC Gb
IECEX dust explosion protection	Ex ta IIIC Da
IECEX firedamp protection	Ex db I Mb
IECEX firedamp protection 2	Ex eb I Mb
IECEX restricted breathing	Ex nR IIC Gc
ATEX gas explosion protection	Ⓢ II 2 G Ex db IIC Gb
ATEX gas explosion protection 2	Ⓢ II 2 G Ex eb IIC Gb
ATEX dust explosion protection	Ⓢ II 1 D Ex ta IIIC Da
ATEX firedamp protection	Ⓢ I M2 Ex db I Mb
ATEX firedamp protection 2	Ⓢ I M2 Ex eb I Mb
ATEX restricted breathing	Ⓢ II 3 G Ex nR IIC Gc
Notes	The product certificates can be downloaded from the manufacturer's homepage (www.cmp-products.com)
Ex version	Ex e & Ex d & Ex nR & Ex ta
Ambient Conditions	
Ambient temperature	-60 °C ... +130 °C
Mechanical Data	
Degree of protection (IP)	IP66
Degree of protection note	IP67 and IP68 mounting according to the specifications of the manufacturer, CMP. The specified degrees of protection are only fulfilled if CMP installation accessories are used.
Material	Nickel-plated brass
Sealing material	SOLO LSF
Construction type	BS 6121, IEC/EN 62444
Silicone-free	Yes
Impact strength	20 J

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

E10



A = Inner sheath B = Outer sheath
C = Thread size D = Width across corners
D = Width across flats E = Thread length
F = Protrusion length