

T

Plugs



FLAMEPROOF EX D • INCREASED SAFETY EX E • FOR INDOOR & OUTDOOR APPLICATIONS

1 HEXAGON HEAD PLUGS (code: T)

For cylindrical and tapered threads in Brass (code: **OT**), Nickel-plated brass (code: **ON**) and Aluminium (code: **AL**).



2 RECESSED PLUGS (code: T)

For cylindrical threads in AISI316L Stainless steel (code: **S6**)



3 RECESSED PLUGS (code: T)

For tapered threads in AISI316L Stainless steel (code: **S6**)



Plugs (code: T)

Plugs are used to temporarily or permanently close unused cable entries.

Main regulatory requirements:

The user has to use only one adaptor for the assembly of a cable entry. The user mustn't close an adaptor or a coupling with a plug. These accessories are intended for the assembly of a cable entry only. Accessories in aluminium are suitable only for Group II (Surface).

Application fields Surface - Group II • Mines - Group I

Approvals / Certifications

ATEX INERIS 12 ATEX 0089X
IEC Ex: IEC Ex INE 10.0014X
EAC: RU C-IT.AЯ 45.B.00081

Protection type

Exd IIC • Ex e II (gas) • Ex tb IIC (dusts) • Ex d I • Ex e I (mines)

EPL (Equipment protection level)

Zone 1-2: Mb mines • Gb, Gc gas

Zone 21-22: Db Dc combustible dusts

Execution

Ex d IIC • Ex e II • Ex tb IIC • Ex d I • Ex e I Db according to

ATEX: EN 60079-0:2009 • EN 60079-1:2007 • EN 60079-7:2007 • EN 60079-31:2009 • EN 60529:1991

IEC Ex: IEC 60079-0:2011 • IEC 60079-1:2007 • IEC 60079-7:2006 • IEC 60079-31:2008 • IEC 60529:2001

Ambient temperatures in services: sealing washers materials

Nylon sealing washer -40°C ÷ + 100°C
Silicone sealing washer -65°C ÷ + 220°C
PTFE sealing washer -65°C ÷ + 220°C
Without sealing washer -70°C ÷ +400°C

Available materials

Brass (code: **OT**) • Nickel-plated brass (code: **ON**)
AISI316L Stainless steel (code: **S6**) • Aluminium (code: **AL**)

Available threads

ISO 262 Metrical • ISO 228 • DIN 40430 Pg
ANSI B1.20.1 NPT • EN 10226 Gk (only for ATEX)

Degree of protection

The cable glands degree of protection is **IP66** or **IP66/68**, 30-meters depth for 7 days according to the IEC EN 60529 standard; the degree of protection IP 68 is obtained by using flat sealing rings on cable glands with cylindrical threads. Without gaskets, the degree of protection is IP 66. If the cable glands with cylindrical or tapered threads are screwed on the threaded hole of an apparatus, in order to guarantee an IP66 or IP66/68 degree of protection, threaded parts must be sealed with Loctite or similar. In order to maintain the IPX8 degree of protection, the cable entry shall be fitted on enclosure which satisfies an immersion test under 30 meters of water during 7 days. Metric cable glands are made in accordance to EN 62444 Standard.

EXAMPLE CODE

Plug Type	Thread code	Material code	Material
T	I25	ON	OT Brass
			ON Nickel-plated brass
			S6 AISI316L Stainless steel
			AL Aluminium

TECHNICAL DRAWINGS & DIMENSIONS

1 HEXAGON HEAD PLUGS For cylindrical and tapered threads - Brass, Nickel-pated brass and Aluminium

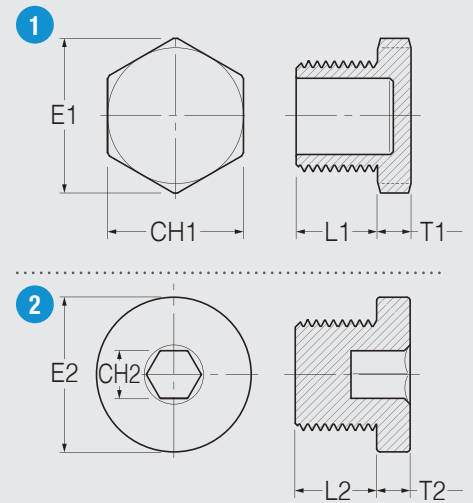
CODE	ISO 262	L1	T1	CH1	E1
T.I12._	M12x1,5	15	5	16	18
T.I16._	M16x1,5	15	5	20	22
T.I20._	M20x1,5	15	5	24	26
T.I25._	M25x1,5	15	5	30	33
T.I32._	M32x1,5	15	5	36	40
T.I40._	M40x1,5	15	5	45	50
T.I50._	M50x1,5	15	8	55	60
T.I63._	M63x1,5	15	8	68	74
T.I75._	M75x1,5	20	8	80	86
T.I90._	M90x2	20	8	100	107

CODE	NPT	L1	T1	CH1	E1
T.N12._	1/4"	15	5	16	17,6
T.N16._	3/8"	15	5	20	22
T.N20._	1/2"	18	5	24	26,4
T.N25._	3/4"	18	5	27	29,7
T.N32._	1"	22	5	36	39,6
T.N40._	1 1/4"	22	5	45	49,5
T.N50._	1 1/2"	24	8	50	55
T.N63._	2"	24	8	68	74
T.N75._	2 1/2"	28	8	80	86
T.N90._	3"	28	8	100	107

CODE	ISO 228	L1	T1	CH1	E1
T.B12._	1/4"	15	5	16	17,6
T.B16._	3/8"	15	5	24	26,4
T.B20._	1/2"	15	5	26	28,6
T.B25._	3/4"	15	5	30	33
T.B32._	1"	16	5	36	39,6
T.B40._	1 1/4"	17	5	45	49,5
T.B50._	1 1/2"	17	8	50	55
T.B63._	2"	18	8	68	74
T.B75._	2 1/2"	20	8	80	86
T.B90._	3"	20	8	100	107

CODE	EN 10226	L1	T1	CH1	E1
T.R12._	1/4"	15	5	16	17,6
T.R16._	3/8"	15	5	20	22
T.R20._	1/2"	18	5	24	26,4
T.R25._	3/4"	18	5	27	29,7
T.R32._	1"	23	5	36	39,6
T.R40._	1 1/4"	23	5	45	49,5
T.R50._	1 1/2"	24	8	50	55
T.R63._	2"	24	8	68	74
T.R75._	2 1/2"	28	8	80	86
T.R90._	3"	28	8	100	107

CODE	DIN 40430	L1	T	CH1	E1
T.P12._	Pg7	15	5	16	17,6
T.P16._	Pg9	15	5	20	22
T.P20._	Pg11	15	5	24	26,4
T.P25._	Pg13,5	15	5	26	28,6
T.P32._	Pg16	15	5	26	28,6
T.P40._	Pg21	15	5	32	35
T.P50._	Pg29	15	5	40	44
T.P63._	Pg36	15	8	50	55
T.P75._	Pg42	20	8	60	65
T.P90._	Pg48	20	8	68	74



2 RECESSED PLUGS For cylindrical threads in AISI316L Stainless steel

CODE	ISO 262	L2	T2	CH2	E2
T.I12.S6	M12x1,5	15	6	6	18
T.I16.S6	M16x1,5	15	6	10	22
T.I20.S6	M20x1,5	15	6	10	26
T.I25.S6	M25x1,5	15	6	10	30
T.I32.S6	M32x1,5	15	6	14	40
T.I40.S6	M40x1,5	15	6	14	48
T.I50.S6	M50x1,5	15	6	14	60
T.I63.S6	M63x1,5	15	6	14	70
T.I75.S6	M75x1,5	20	8	14	80
T.I90.S6	M90x2	20	8	14	100

CODE	ISO 228	L2	T2	CH2	E2
T.B12.S6	1/4"	15	6	6	18
T.B16.S6	3/8"	15	6	10	22
T.B20.S6	1/2"	15	6	10	26
T.B25.S6	3/4"	15	6	10	30
T.B32.S6	1"	16	6	14	40
T.B40.S6	1 1/4"	17	6	14	48
T.B50.S6	1 1/2"	17	6	14	60
T.B63.S6	2"	18	6	14	65
T.B75.S6	2 1/2"	20	8	14	80
T.B90.S6	3"	20	8	14	95

CODE	DIN 40430	L2	T2	CH2	E2
T.P12.S6	Pg7	15	6	6	18
T.P16.S6	Pg9	15	6	10	22
T.P20.S6	Pg11	15	6	10	26
T.P25.S6	Pg13,5	15	6	10	26
T.P32.S6	Pg16	15	6	14	30
T.P40.S6	Pg21	15	6	14	35
T.P50.S6	Pg29	15	6	14	45
T.P63.S6	Pg36	15	6	14	55
T.P75.S6	Pg42	20	8	14	60
T.P90.S6	Pg48	20	8	14	65

3 RECESSED PLUGS For tapered threads in AISI316L Stainless steel

CODE	NPT	L3	T3	CH3	E3
T.N12.S6	1/4"	15	6	6	14
T.N16.S6	3/8"	15	6	10	18
T.N20.S6	1/2"	18	6	10	22
T.N25.S6	3/4"	18	6	10	26
T.N32.S6	1"	22	6	14	34
T.N40.S6	1 1/4"	22	6	14	42
T.N50.S6	1 1/2"	24		14	48
T.N63.S6	2"	24		14	65
T.N75.S6	2 1/2"	28		14	75
T.N90.S6	3"	28		14	90

CODE	EN 10226	L3	T3	CH3	E3
T.R12.S6	1/4"	15	6	6	14
T.R16.S6	3/8"	15	6	10	18
T.R20.S6	1/2"	18	6	10	22
T.R25.S6	3/4"	18	6	10	26
T.R32.S6	1"	23	6	14	34
T.R40.S6	1 1/4"	23	6	14	42
T.R50.S6	1 1/2"	24		14	48
T.R63.S6	2"	24		14	65
T.R75.S6	2 1/2"	28		14	80
T.R90.S6	3"	28		14	90

