

**FLAMEPROOF EX D • INCREASED SAFETY EX E • FOR INDOOR & OUTDOOR APPLICATIONS**  
**FOR ARMoured CABLES • INNER & OUTER SEALING**



### Cable glands KTA type (code: KTA)

The sealing ring blocks the cable on the under armour ring diameter. The addition of the sealing ring on the outer sheath guarantees a complete protection of the cable armour. Cable glands EMC tested by triaxial method, according to IEC 62153-4-3, IEC 62153-4-4 standards. Metric cable glands are made according to EN 62444 standard. Maintenance and installation operations and product selection must be done in accordance with IEC EN 60079-14 and 17 standards.

**Application fields** Surface - Group II

### Approvals / Certifications

ATEX Certificate: INERIS 16 ATEX 0045X  
 Type examination certificate: INERIS 17 ATEX 3004 (Ex nR IIC Gc)  
 IECEx Certificate: IECEx INE 16.0054X  
 EAC: RU C-IT. AЯ45.B.00909  
 CCC Ex NEPSI Certificate: Nr. 2021322313003710

### Protection type

Ex db IIC • Ex eb II (gas) • Ex tb IIIC (dusts)

### EPL (Equipment protection level)

**Zone 1-2:** Gb, Gc gas

**Zone 21-22:** Db Dc combustible dusts

### Execution

Ex db IIC • Ex eb II • Ex tb IIIC

according to

**ATEX:** EN IEC 60079-0:2018 • EN 60079-1:2014 •  
 EN IEC 60079-7:2015/A1:2018 • EN 60079-15:2010 •  
 EN 60079-31:2014 • EN 60529:1991

**IEC Ex:** IEC 60079-0:2017 • IEC 60079-1:2014 •  
 IEC 60079-7:2015/A1:2017 • IEC 60079-15:2017 •  
 IEC 60079-31:2013 • IEC 60529:1989+A1:1999+A2:2013

### Ambient temperatures in services: sealing washers materials

Silicone seals -60°C ÷ +80°C (code: **SI**)

### Cable type

Armoured: Single armoured cable SWA, Aluminium wire armoured cable AWA, Aluminium strip armoured ASA. Single wire braided cable SWB, Steel tape armoured cable STA, Pliable wire armoured cable PWA. Screened flexible wire braided cable CY-SY.

### Available materials

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

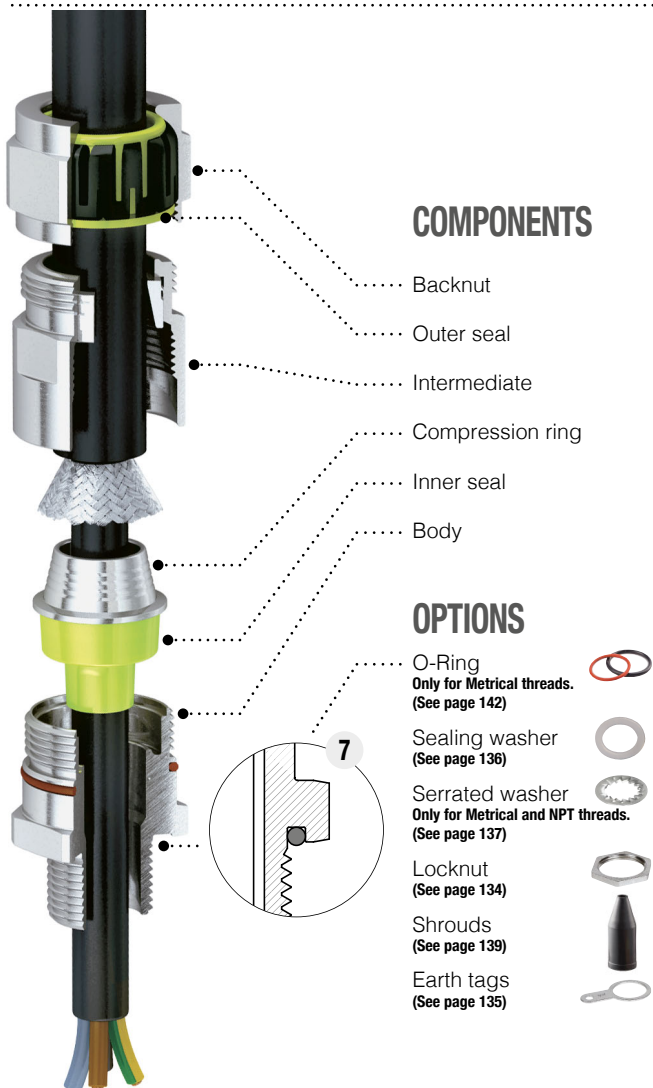
### Available threads

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

### Degree of protection

The degree of protection assured by the cable entries is **IP66** according to IEC/EN 60529 standard. For cable entries with cylindrical thread the degree of protection IP66 is assured by using either a flat silicone MVQ gasket or a flat PTFE gasket or a SILICONE MVQ O-ring. For cable entries with conical thread the degree of protection IP66 is assured by applying to the threading of sealing LOCTITE 241.

Metric cable glands are made in accordance to EN 62444 Standard.



## COMPONENTS

- Backnut
- Outer seal
- Intermediate
- Compression ring
- Inner seal
- Body

## OPTIONS

- O-Ring  
 Only for Metrical threads.  
 (See page 142)
- Sealing washer  
 (See page 136)
- Serrated washer  
 Only for Metrical and NPT threads.  
 (See page 137)
- Locknut  
 (See page 134)
- Shrouds  
 (See page 139)
- Earth tags  
 (See page 135)

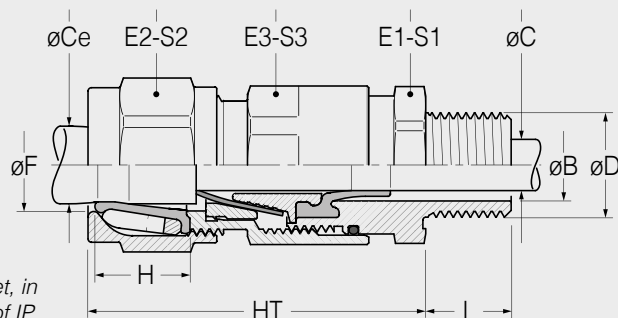


## EXAMPLE CODE

7

## TECHNICAL DRAWING

KTA.	25.	N25.	SI.	ON.	OR
Type	Size	Thread code	Seals material code	Material code	Optional code
		See tab. page 19	Silicone		O-Ring
<b>OT</b>	Brass				Alternatively to the flat gasket, in order to ensure the degree of IP protection, it is possible to request the "O-Ring version" cable gland. <b>ISO metrical threads only</b>
<b>ON</b>	Nickel-plated brass				
<b>S6</b>	AISI316L Stainless steel				
<b>AL</b>	Aluminium				



SIZE	Ø D - THREADS		CODE	Ø C Min - Max	Ø CE Min - Max	ARMOUR RANGE	DIMENSIONS														
	Cylindrical ISO 262	Tapered NPT					Weight	øB	L	HT	H	F	E1	S1	E2	S2	E3	S3			
12	<b>M12x1,5</b>		KTA.12.I12.SI...	3,5 ÷ 7,4			139	7,4	15												
	M16x1,5		KTA.12.I16.SI...	3,5 ÷ 8			140	11,4	15												
		<b>1/4"</b>	KTA.12.N12.SI...	3,5 ÷ 7,4		6 ÷ 12	0 ÷ 1,25	144	7,4	15,5	54,5	15,2	16,3	22	24	26	28,6	22	23,8		
		3/8"	KTA.12.N16.SI...	3,5 ÷ 8				144	11,4	15,5											
16	<b>M16x1,5</b>		KTA.16.I16.SI...				147	11,4	15												
	M20x1,5		KTA.16.I20.SI...	6,5 ÷ 11,2	9 ÷ 16,1	0 ÷ 1,25	148	15,2	15												
		<b>3/8"</b>	KTA.16.N16.SI...				152	11,4	15,5	54,5	15,2	16,3	25	27,4	26	28,6	26	27,8			
		1/2"	KTA.16.N20.SI...				156	15,2	20												
20	<b>M20x1,5</b>		KTA.20.I20.SI...				205	15,2	15												
	M25x1,5		KTA.20.I25.SI...	7,5 ÷ 14,2	12,5 ÷ 20,2	0,1 ÷ 1,3	201	19,8	15												
		<b>1/2"</b>	KTA.20.N20.SI...				214	15,2	20	58,7	17	20,8	30	33	31	34	30	31,9			
		3/4"	KTA.20.N25.SI...				216	19,8	20,5												
25	<b>M25x1,5</b>		KTA.25.I25.SI...	11 ÷ 19,8			309	19,8	15												
	M32x1,5		KTA.25.I32.SI...	11 ÷ 20	16,5 ÷ 26	0,2 ÷ 1,6	306	26,6	15												
		<b>3/4"</b>	KTA.25.N25.SI...	11 ÷ 19,8			325	19,8	20,5	67	19,4	26,3	36	39	38	41	37	39,6			
		1"	KTA.25.N32.SI...	11 ÷ 20			334	26,1	25												
32	<b>M32x1,5</b>		KTA.32.I32.SI...	16 ÷ 26,5			505	26,6	15												
	M40x1,5		KTA.32.I40.SI...		21 ÷ 33,2	0,3 ÷ 2	498	34,4	15												
		<b>1"</b>	KTA.32.N32.SI...	16 ÷ 26			540	26,1	25	77	22	33,4	45	49	48	51	45	47,7			
		1" 1/4	KTA.32.N40.SI...	16 ÷ 26,5			542	34,4	26												
40	<b>M40x1,5</b>		KTA.40.I40.SI...				687	34,4	15												
	M50x1,5		KTA.40.I50.SI...	22 ÷ 33,5	27,5 ÷ 41,3	0,3 ÷ 2	679	44	15												
		<b>1" 1/4</b>	KTA.40.N40.SI...				732	34,4	26	79	24,2	41,6	55	60	58	63	53	55,7			
		1" 1/2	KTA.40.N50.SI...				758	40,5	26												
50	<b>M50x1,5</b>		KTA.50.I50.SI...	28 ÷ 44			1066	44	15												
	M63x1,5		KTA.50.I63.SI...	28 ÷ 44,8	35,6 ÷ 52,3	0,3 ÷ 2,5	1044	56	15												
		<b>1" 1/2</b>	KTA.50.N50.SI...	28 ÷ 40,4			1133	40,5	26	93,6	27	52,6	68	74	70	74,5	65	67,7			
		2"	KTA.50.N63.SI...	28 ÷ 44,8			1066	52	27												
63	<b>M63x1,5</b>		KTA.63.I63.SI...	40 ÷ 56,5			1620	56,5	15												
	M75x1,5		KTA.63.I75.SI...		46 ÷ 65	0,3 ÷ 2,8	1594	68	15												
		<b>2"</b>	KTA.63.N63.SI...	40 ÷ 52			1748	52	27	110,8	29,4	65,4	82	89	85	88	78	81,6			
		2" 1/2	KTA.63.N75.SI...	40 ÷ 56,5			1938	62,5	40												
75	<b>M75x1,5</b>		KTA.75.I75.SI...	51 ÷ 68,5			2463	68,5	15												
	M90x2		KTA.75.I90.SI...		56 ÷ 78	0,3 ÷ 3,2	2468	82	20												
		<b>2" 1/2</b>	KTA.75.N75.SI...	51 ÷ 62,5			2688	62,5	40	115,7	31	78,5	100	109	100	104,8	93	97			
		3"	KTA.75.N90.SI...	51 ÷ 68,5			2842	78	41,5												
90	<b>M90x2</b>		KTA.90.I90.SI...				3320	82	20												
	M100x2		KTA.90.I100.SI...	62 ÷ 78	72 ÷ 90	0,3 ÷ 3,7	3324	91	20												
		<b>3"</b>	KTA.90.N90.SI...				3850	78	41,5	121,4	31,2	91	110	119	115	119,4	105	109,8			
		3" 1/2	KTA.90.N100.SI...				3640	90	43												