

**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  
 IECEx Certificate: IECEx INE 16.0054X  
 Type examination certificate: INERIS 17 ATEX 3000 (Ex nR IIC Gc)

**Protection type**

Exd IIC • Ex e 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 d IIC • Ex e II • Ex tb IIIC  
 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**

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**)

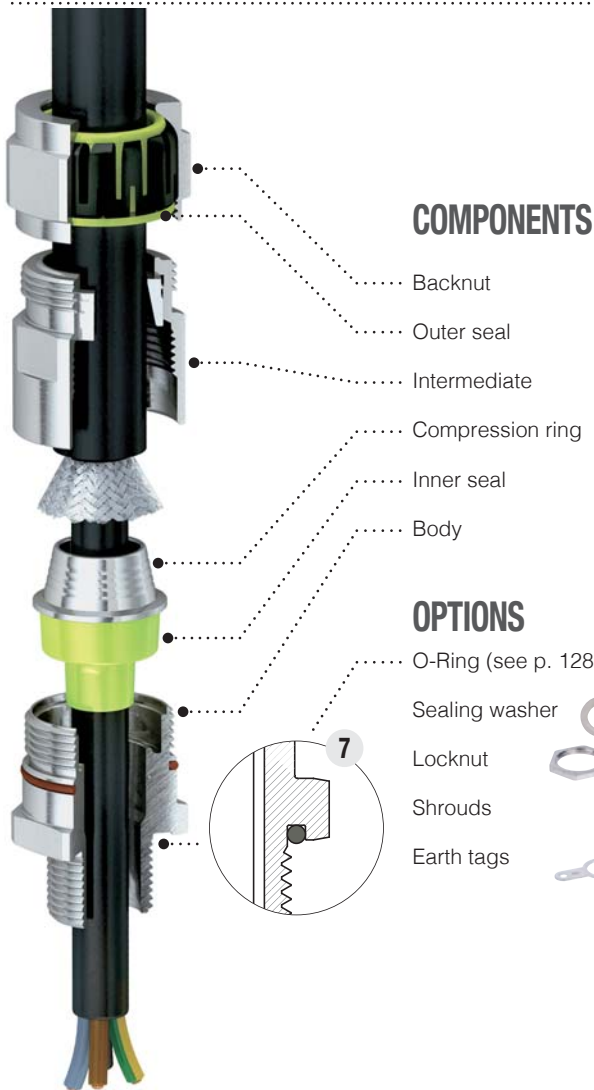
**Available threads**

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.



## EXAMPLE CODE

7

## TECHNICAL DRAWING

KTA.	25.	N25.	SI.	ON.	OR
Type	Size	Thread code	Seals material code	Material code	Optional code

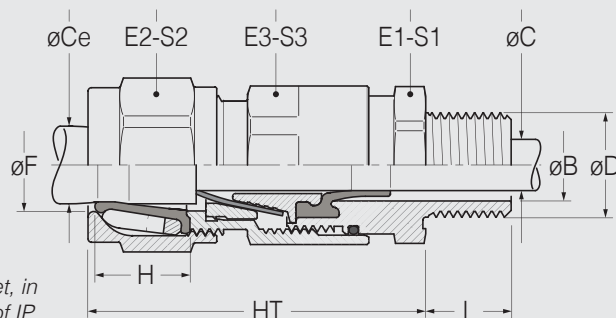
See tab. page 19

Silicone

O-Ring

<b>OT</b>	Brass
<b>ON</b>	Nickel-plated brass
<b>S6</b>	AISI316L Stainless steel
<b>AL</b>	Aluminium

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. **ISO metrical threads only**



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												