

## Excel Plus Ex d IIC / Ex e II KA493 Series



**The Excel plus is a universal hazardous area gland achieves IP67 and deluge protection with additional features for soft-bedding materials subject to cold flow.**

### Features and benefits:

- Brass indoor and outdoor cable gland for use in hazardous areas
- Suitable for circular cables with braid, tape or wire armour and extruded polymeric bedding & oversheath
- Achieves IP67 and deluge proof (DTS01:1991) seal onto cable and to enclosure with sealing washer supplied or thread sealant
- Three part armour lock provides mechanical cable retention and electrical continuity
- Diaphragm inner seal compatible with soft bedding materials that may be subject to 'cold-flow'
- Suitable for most climatic conditions – weatherproof, waterproof and deluge proof
- Nickel plated versions also available

### Kit comprises:

Excel Plus Gland  
 Brass Earth Tag  
 Brass Locknut  
 Nylon Sealing Washer  
 PVC Shroud  
 (2 per kit up to and including 25mm size)



### May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

### Where the cable is effectively filled, may also be used in:

- Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm<sup>3</sup>
- Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume
- Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm<sup>3</sup>
- Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume
- Zone 2 with Ex nR II equipment

## Technical Information:

Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 94/9/EC

Atex Compliance Standards: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

Certificate number Sira01ATEX1032X

Service temperature range -20°C to +90°C

CSA certified Ex d IIC & Ex e II, CSA Enclosure Type 4X, AEx d IIC & AEx e II, NEMA 4X

## Specifications

Gland Kit Reference		Cable Dimensions mm						Gland Dimensions mm					
Design Reference		Size	Qty per Kit	Under Armour Ø (A)		Overall Ø (B)		Max Armour Thickness	Entry Thread (D)	Thread Length (E)	Protrusion Length (F)	Hexagon	
Standard	Nickel Plated			Min	Max	Min	Max					A/F (G)	A/C (H)
KA493-51	KA493-51V	16	2	4	9	8	16	1.25	M16 × 1.5	15	73	25.7	28.7
KA493-71	KA493-71V	20SS	2	4	9	8	16	1.25	M20 × 1.5	15	73	25.7	28.7
KA493-52	KA493-52V	20S	2	7	12	9	16	1.25	M20 × 1.5	15	68	27.8	31.8
KA493-53	KA493-53V	20	2	8	14.4	11.5	21	1.25	M20 × 1.5	15	76	33	36.9
KA493-55	KA493-55V	25	2	10.5	20.2	18.5	27.5	1.6	M25 × 1.5	15	76	37.6	42.2
KA493-56	KA493-56V	32	1	15.5	26.5	21	34	2	M32 × 1.5	15	86	47.2	53.6
KA493-57	KA493-57V	40	1	23	32.5	31	41.5	2	M40 × 1.5	15	90	56.4	61.5
KA493-59	KA493-59V	50	1	28.5	44.5	36	52.5	2.5	M50 × 1.5	15	111	70	77.2
KA493-61	KA493-61V	63	1	44	56.5	50	65.5	2.5	M63 × 1.5	15	112	80	87.4
KA493-63	KA493-63V	75	1	53	68.5	59	78	2.5	M75 × 1.5	15	130	98.8	109.2

