TECHNICAL DATA

CABLE GLAND TYPE : SS2K and SS2K/PB
INGRESS PROTECTION : IP66, NEMA 4X
PROCESS CONTROL SYSTEM : BS EN ISO 9001

HAZARDOUS AREA CLASSIFICATION

ATEX CERTIFICATION No : SIRA 06ATEX1097X & SIRA 07ATEX4326X
ATEX CERTIFICATION CODE : Ex II 2/3 GD Ex d IIC / Ex e II / Ex nR II / Ex tD A21 IP66
: Ex I M2 Ex d I / Ex e I
IEC Ex CERTIFICATION No : IEC Ex SIR.06.0041X
IEC Ex CERTIFICATION CODE : Ex d I / Ex e I / Ex e II / Ex nR II / Ex tD A21 IP66
cCSAus CERTIFICATION No. : 1211841
cCSAus CERTIFICATION CODE : Ex d IIC / Ex e

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

SPECIAL CONDITIONS FOR SAFE USE

1. The SS2K and SS2K/PB cable gland shall only be used where the temperature at the point of entry is in the range -60°C to +130°C.
2. The SS2K and SS2K/PB cable gland are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
3. The entry component threads may need additional sealing to maintain the ingress protection ratings as applicable to the associated equipment to which it is attached.
4. According to the CEC C22.1-98, Section 18-106 Part 3, Tapered Threads shall have five fully engaged threads and where non-tapered threads are used in Group IIC there must be eight fully engaged threads.

ACCESSORIES

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :-
Locknut | Earth Tag | Serrated Washer | Entry Thread (I.P.) Sealing Washer | Shroud *

Cable Gland Selection Table

Cable Gland Size	Available Entry Threads			Minimum Thread Length	Cable Bedding Diameter		Overall Cable Diameter		Across Flats	Across Corners	Protrusion Length	Ordering Reference (Brass Metric)	PVC Shroud Ref *	Cable Gland Weight (Kgs)
	Standard		Option											
	Metric	NPT	NPT		Min	Max	Min	Max	Max	Max				
20S/16	M20	1/2"	3/4"	15.0	3.2	8.7	3.1	8.7	24.0	25.9	42.0	20S16SS2K1RA	PVC04	0.072
20S	M20	1/2"	3/4"	15.0	6.1	11.7	6.1	11.7	24.0	25.9	42.0	20SSS2K1RA	PVC04	0.072
20	M20	1/2"	3/4"	15.0	6.5	14.0	6.5	14.0	27.0	29.2	47.0	20SS2K1RA	PVC05	0.079
25	M25	3/4"	1"	15.0	11.1	20.0	11.1	20.0	36.0	38.9	56.0	25SS2K1RA	PVC09	0.149
32	M32	1"	1 1/4"	15.0	17.0	26.3	17.0	26.3	41.0	44.3	58.0	32SS2K1RA	PVC10	0.170
40	M40	1 1/4"	1 1/2"	15.0	23.5	32.2	22.0	32.2	50.0	54.0	60.0	40SS2K1RA	PVC13	0.224
50S	M50	1 1/2"	2"	15.0	31.0	38.2	29.5	38.2	55.0	59.4	62.0	50SSS2K1RA	PVC14	0.298
50	M50	2"	2 1/2"	15.0	35.6	44.1	35.6	44.1	60.0	64.8	64.0	50SS2K1RA	PVC17	0.308
63S	M63	2"	2 1/2"	15.0	41.5	50.0	40.1	50.1	70.0	75.6	66.0	63SSS2K1RA	PVC20	0.480
63	M63	2 1/2"	3"	15.0	47.2	56.0	47.2	56.0	75.0	81.0	67.0	63SS2K1RA	PVC22	0.458
75S	M75	2 1/2"	3"	15.0	54.0	62.0	52.8	62.0	79.0	85.3	68.0	75SSS2K1RA	PVC24	0.621
75	M75	3"	3 1/2"	15.0	61.1	68.0	59.1	68.0	84.0	90.7	70.0	75SS2K1RA	PVC26	0.526
90	M90	3"	3 1/2"	15.0	66.6	80.0	66.6	79.4	108.0	116.6	75.0	90SS2K1RA	PVC31	1.795
100	M100	4"	-	15.0	76.0	91.0	76.0	91.0	122.0	131.8	81.0	100SS2K1RA	PVC32	2.100
115	M115	-	-	15.0	86.0	98.0	86.0	98.0	138.0	149.0	85.0	115SS2K1RA	LSF34	3.096
130	M130	-	-	15.0	97.0	115.0	97.0	115.0	154.0	166.3	92.0	130SS2K1RA	LSF35	4.530

Dimensions are displayed in millimetres unless otherwise stated

Note: Codes shown are for SS2K glands, for SS2K/PB add "PB" e.g. 20SS2KPB1RA

I, the undersigned, hereby declare that the equipment referred to herein conforms to 94/9/EC directive.

G. I. Mood

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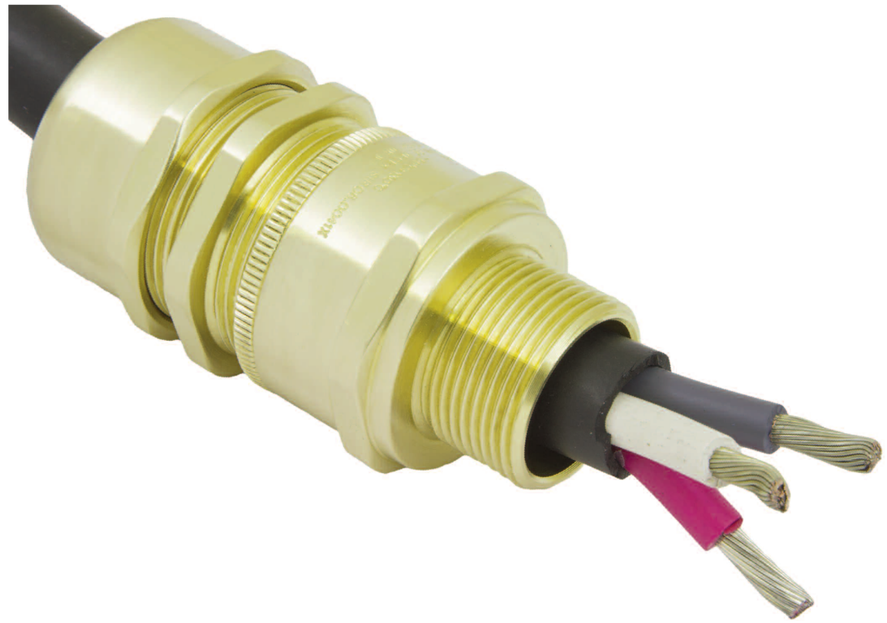
CMP PRODUCTS

ASSEMBLY FITTING INSTRUCTIONS FOR INSTALLATION OF CMP CABLE GLAND TYPES SS2K AND SS2K/PB

CABLE GLAND FOR USE IN HAZARDOUS AREAS WITH UNARMOURED AND BRAID ARMOURED CABLE (WITH LEAD SHEATH ON "PB" VERSIONS).

INCORPORATING EC DECLARATION OF CONFORMITY TO DIRECTIVE 94/9/EC

CABLE GLAND TYPES SS2K AND SS2K/PB



SS2K - For use with unarmoured and braid armoured cable

SS2K/PB - For use with unarmoured and braid armoured cables with lead sheaths

CMP PRODUCTS

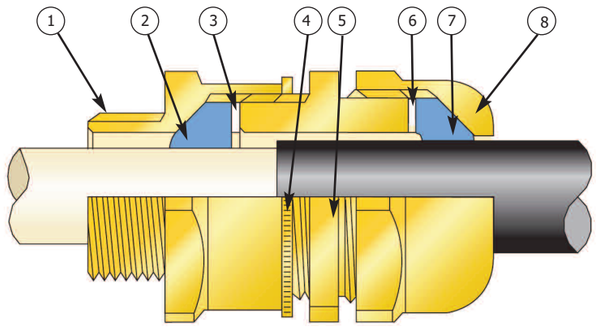
Logo's shown for illustration purposes only. Please check certification for details

CMP Document No. FI430 Issue 1 06/11

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES SS2K & SS2K/PB

CABLE GLAND COMPONENTS

1. Entry Item
2. Seal
3. Skid Washer (Star Washer in PB versions)
4. Lock Ring
5. Main Item
6. Skid Washer
7. Outer Seal
8. Outer Seal Nut

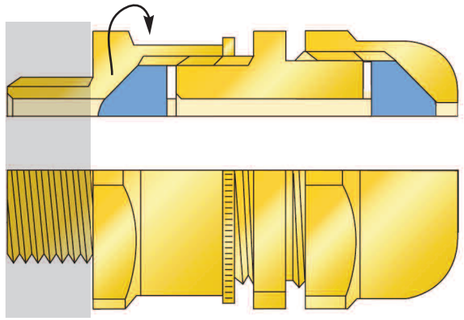


PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

The SS2K / SS2K/PB cable gland can be used with all types of unarmoured cable and braid armoured cable where the braid is terminated inside the enclosure. The inner seal is used to provide a flameproof seal and cable anchor and the outer seal provides further anchoring and an additional environmental seal. An electrical earth connection is automatically made to the cable lead sheath through the star washer when "PB" versions are used.

NOTE: There is no need to dismantle the cable gland prior to installation

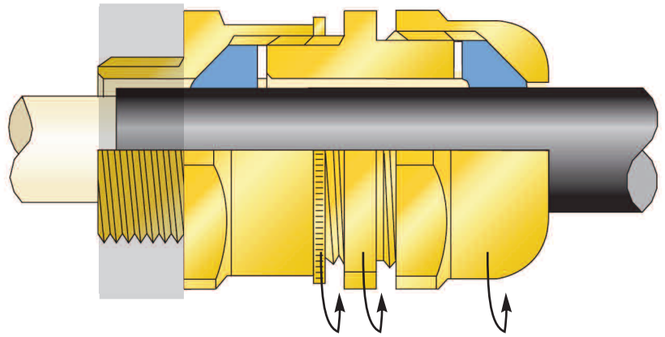
1. Fit the gland into the equipment and fully tighten the entry item (1).



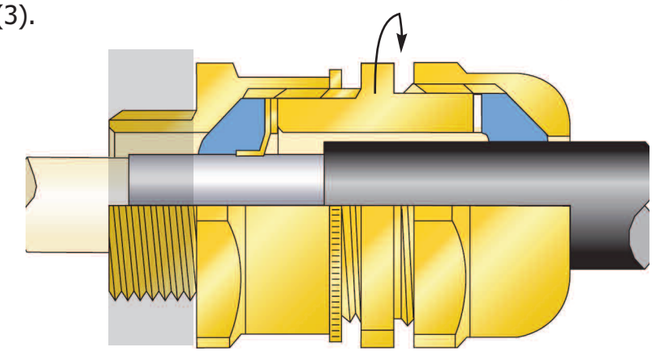
If installed in a clearance hole, fit a locknut and tighten.

2. Determine the conductor length required to suit the geometry of the equipment and prepare the cable accordingly. Remove the outer sheath where required to reveal the insulated conductors or lead sheath where applicable.

3. Ensure the seals (2) and (7) are in a relaxed state by slackening the locking ring (4), main item (5) and outer seal nut (8) if necessary.



4. Pass the cable through the gland to the desired position. Tighten the main item (5) into the entry item (1) until the seal is felt to make contact with the cable and then tighten one further turn using a spanner. An electrical earth will automatically be made against lead sheath cable through the star washer (3).



N.B. "PB" version shown

5. Tighten the outer seal nut (8) until the outer seal (7) contacts the cable and then tighten one full turn further using a spanner. Tighten the lock ring (4) against the entry item. This completes the installation.