

SAFETY, MAINTENANCE AND MOUNTING INSTRUCTIONS

GLAND TYPES FOR CIRCULAR CABLES



KILLARK CGB



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1 APPLICABLE CODES

APPLICABLE STANDARDS

TYPE 1,4,4X,12 Ratings

UL 514B

UL 50E

OPERATING TEMPERATURES

Supplied with Chloroprene sealing : Ta -40°C +80°C

2 CGB PARTS

CGB

Nr.	Items
A	Body
B	Inner seal
C	Middle seal
D	Outer seal
E	Cap
F	Plastic Ring



SEALING COMBINATIONS



3 MOUNTING INSTRUCTIONS for CGB

STEP-1
Hold the assembled gland straight and disassemble the parts as A,B,C,D and E. Choose the optimal seal according to the cable diameter which is going to be tightened. (For triple seal combination ,it is enough to disassemble only part E.)

STEP-2
For double seal combination part B is an obstacle to tighten the desired cable size. First take out part B to complete the seal combination.

STEP-3
Assemble the seal combination inside part A. Mount (parts A,C,D) on the enclosure with sufficient torque value. Then mount part A and E engaged one or two threads for inserting cable inside the gland easier.

STEP-4
Insert the cable inside the gland for installation.

4 SEALING EXPLANATION for CGB

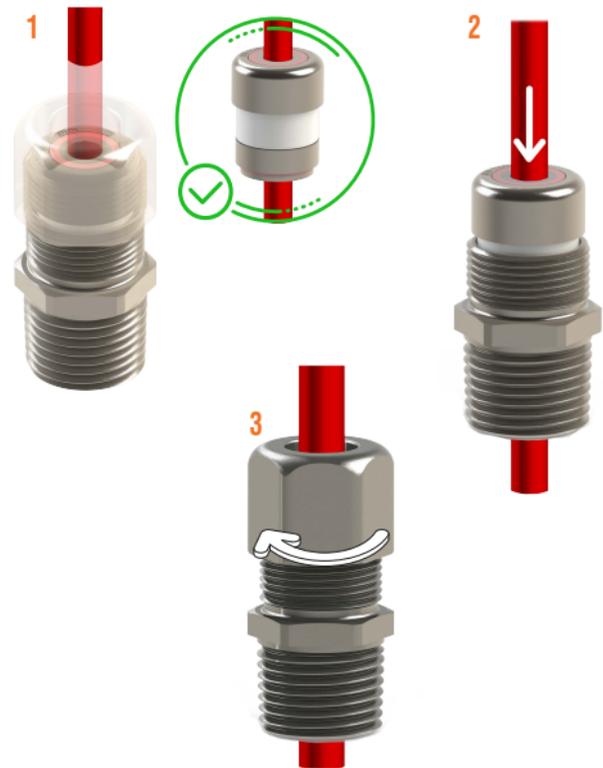
5 SEALING EXPLANATION for CGB

6 SAFETY INSTRUCTION

7 CGB SIZE TABLE

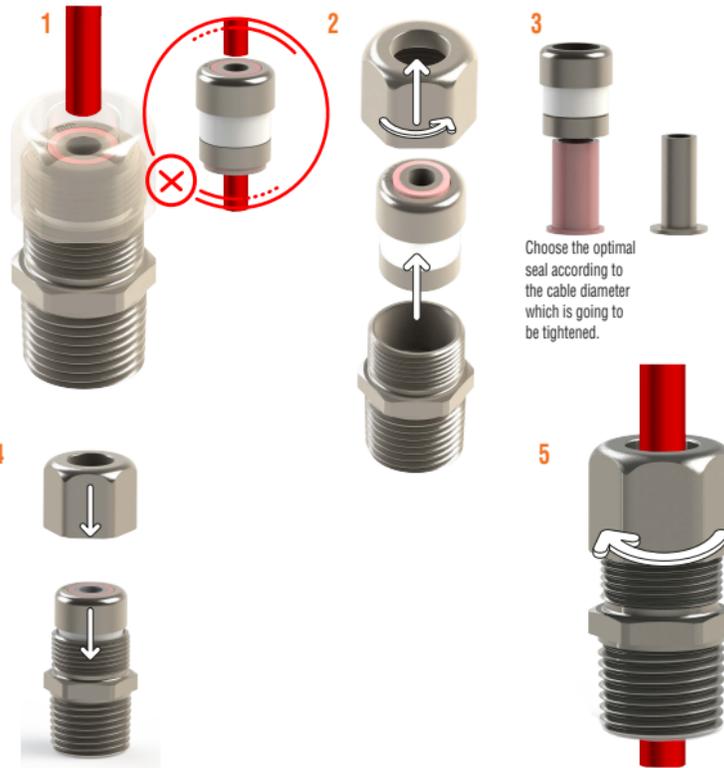
OPTION-1

If the clamping range of the pre-assembled triple seal is already suitable for the cable diameter no seal adjustment is required.



OPTION-2

If the clamping range of the pre-assembled triple seal is not suitable for the cable diameter seal adjustment is required.



- Changes to products are not allowed.
- Only Hubbell spare parts must be used.
- Everyday and extraordinary maintenance operations must be carried out only by qualified personnel after approval from expert technicians.
- The maintenance operations must be carried out only after the engine has been cut off from mains or from the related electrical appliance.
- The following instructions must be strictly followed in order to get a correct installation.
- The clamping of the cables must be realised outside of enclosure by appropriate torque values to guarantee the mechanical characteristics.
- The cable gland installation shall be done according to safety manufacturer instructions to maintain a degree of protection.
- Cable gland installation shall be done taking into account the temperature range declared for cable glands in relation to protection mode execution, versus the ambient temperature proper of installation.
- The certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed on the first page of the manual.
- Service temperature of the gland is related to the material of the sealing ring but can additionally be limited by the material of the flat washer/o-ring/accessories.

Thread Type NPT acc. to ANSI ASME B1.20.1

Hubbell Type Code	TD ANSI ASME NPT B1.20.1	Cable Type	D Clamping Range Ø min-max (mm)	D Clamping Range Ø min-max (inch)	Clamping Range S1+S2 (mm)	Clamping Range S1+S2+S3 (inch)	Clamping Range S1+S2 (mm)	Clamping Range S1+S2 (inch)	Clamping Range S1 (mm)	Clamping Range S1 (inch)	Torque S1+S2+S3 (Nm)	Torque S1+S2 (Nm)	Torque S1 (Nm)
CGB115	1/2"	Flexible & Tray	4.0-12.0	0.16 - 0.47	4-6	0.16 - 0.24	6-9	0.24 - 0.35	9-12	0.35 - 0.47	30	25	25
CGB139	1/2"	Flexible & Tray	10.0-26.0	0.39 - 0.63	10-12	0.39 - 0.47	12-14.5	0.47 - 0.57	14.5-18	0.57 - 0.63	25	20	18
CGB215	3/4"	Flexible & Tray	4.0-12.0	0.16 - 0.47	4-6	0.16 - 0.24	6-9	0.24 - 0.35	9-12	0.35 - 0.47	30	25	25
CGB239	3/4"	Flexible & Tray	10.0-26.0	0.39 - 0.71	10-12	0.39 - 0.47	12-14.5	0.47 - 0.57	14.5-18	0.57 - 0.71	25	20	18
CGB255	3/4"	Flexible & Tray	14.0-20.0	0.55 - 0.79	14-17	0.55 - 0.67	17-20	0.67 - 0.79	-	-	40	35	-
CGB339	1"	Flexible & Tray	10.0-26.0	0.39 - 0.71	10-12	0.39 - 0.47	12-14.5	0.47 - 0.57	14.5-18	0.57 - 0.71	25	20	18
CGB355	1"	Flexible & Tray	14.0-24.0	0.55 - 0.94	14-17	0.55 - 0.67	17-20	0.67 - 0.79	20-24	0.79 - 0.94	40	35	30
CGB386	1"	Flexible & Tray	22.0-26.0	0.87 - 1.02	22-24	0.87 - 0.94	24-26	0.94 - 1.02	-	-	60	45	-
CGB415	1 1/4"	Flexible & Tray	14.0-24.0	0.55 - 0.94	14-17	0.55 - 0.67	17-20	0.67 - 0.79	20-24	0.79 - 0.94	40	35	30
CGB486	1 1/4"	Flexible & Tray	22.0-32.0	0.87 - 1.26	22-24	0.87 - 0.94	24-27	0.94 - 1.06	27-32	1.06 - 1.26	60	45	45
CGB4102	1 1/4"	Flexible & Tray	26.0-34.0	1.02 - 1.34	26-28	1.02 - 1.10	28-31	1.10 - 1.22	31-34	1.22 - 1.34	55	55	50
CGB586	1 1/2"	Flexible & Tray	22.0-32.0	0.87 - 1.26	22-24	0.87 - 0.94	24-27	0.94 - 1.06	27-32	1.06 - 1.26	60	45	45
CGB5102	1 1/2"	Flexible & Tray	26.0-35.0	1.02 - 1.38	26-28	1.02 - 1.10	28-31	1.10 - 1.22	31-35	1.22 - 1.38	55	55	50
CGB5138	1 1/2"	Flexible & Tray	35.0-41.0	1.38 - 1.61	35-38	1.38 - 1.50	38-41	1.50 - 1.61	-	-	190	125	-
CGB6102	2"	Flexible & Tray	26.0-35.0	1.02 - 1.38	26-28	1.02 - 1.10	28-31	1.10 - 1.22	31-35	1.22 - 1.38	55	55	50
CGB6138	2"	Flexible & Tray	35.0-45.0	1.38 - 1.77	35-38	1.38 - 1.50	38-41	1.50 - 1.61	41-45	1.61 - 1.77	190	125	140
CGB6181	2"	Flexible & Tray	46.0-52.0	1.81 - 2.05	46-48	1.81 - 1.89	48-52	1.89 - 2.05	-	-	195	125	-
CGB7138	2 1/2"	Flexible & Tray	35.0-45.0	1.38 - 1.77	35-38	1.38 - 1.50	38-41	1.50 - 1.61	41-45	1.61 - 1.77	190	125	140
CGB7181	2 1/2"	Tray	46.0-62.0	1.81 - 2.44	46-51	1.81 - 2.03	51-56	2.03 - 2.20	56-62	2.20 - 2.44	190	125	122
CGB7236	2 1/2"	Tray	60.0-64.0	2.36 - 2.52	60-64	2.36 - 2.52	-	-	-	-	125	-	-
CGB8181	3"	Tray	46.0-62.0	1.81 - 2.44	46-51	1.81 - 2.03	51-56	2.03 - 2.20	56-62	2.20 - 2.44	190	125	122
CGB8236	3"	Tray	60.0-75.0	2.36 - 2.95	60-65	2.36 - 2.56	65-70	2.56 - 2.76	70-75	2.76 - 2.95	125	118	120
CGB8295	3"	Tray	75.0-79.5	2.95 - 3.13	75-76	2.95 - 3.07	76-79.5	3.07 - 3.13	-	-	130	125	-
CGB8236	4"	Tray	60.0-75.0	2.36 - 2.95	60-65	2.36 - 2.56	65-70	2.56 - 2.76	70-75	2.76 - 2.95	125	118	120
CGB8295	4"	Tray	75.0-85.0	2.95 - 3.15	75-76	2.95 - 3.07	76-81	3.07 - 3.15	81-85	3.15 - 3.35	130	125	130
CGB8334	4"	Tray	85.0-95.0	3.35 - 3.74	85-88	3.35 - 3.46	88-91	3.46 - 3.58	91-95	3.58 - 3.74	155	162	170

*For material options add the following suffix to the Part Number.
Aluminium 'SA'; Stainless Steel 'SS'; Brass 'NB'.