

TECHNICAL DATA
CABLE GLAND TYPE
INGRESS PROTECTION
PROCESS CONTROL SYSTEM
TEMPERATURE RANGE

: A2EC-FL, A2-FL
: IP66, IP67 & IP68
: ISO 9001
: -60°C to +130°C

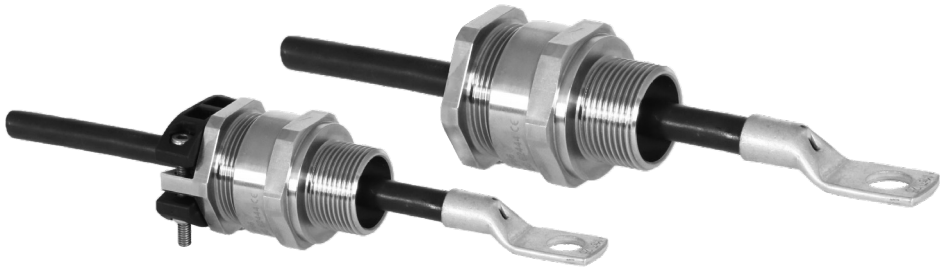
INSTALLATION INSTRUCTIONS
Installation should only be performed by a competent person using the correct tools. Spanners should be used for tightening. Read all instructions before beginning installation.
ACCESSORIES
The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing: Locknut, Earth Tag, Serrated Washer, Entry Thread (I.P.) Sealing Washer, Shroud

SEALING RANGE TABLE	ALSTOM DTR	CABLE DATA	LUG CODE	OUTER SHEATH	GLAND DESCRIPTION	CLAMP TIGHTEN- ING (DISTANCE) (mm)	CLAMP INSERT FITTED
Refer to line 1	0000134981	EN50264-3-1 600V 10M	ELP 17	5.10 - 5.90	25/20		TBC
	0000140022	EN50382-2 3600V X10F	ELP 17	9.50 -11.10	25/20		TBC
	0000140007	EN50382-2 1800V 10F	ELP 17	8.50 - 10.00	25/20	10	Y
	0000139999	EN50264-3-1 1800V 10M	ELP 17	7.50 - 8.80	25/20		TBC
	0000135291	EN50264-3-1 600V 25M	NP/TN 25	7.80 - 9.10	25/20	9	Y
	0000140001	EN50264-3-1 1800V 25M	NP/TN 25	9.90 - 11.60	25/20		TBC
	0000140023	EN50382-2 3600V X25F	NP/TN 25	11.80 - 13.80	25/20		TBC
	0000140009	EN50382-2 1800V X25F	NP/TN 25	10.90 - 12.70	25/20	7	N
	0000134949	EN50264-3-1 600V 16M	FLP 18	6.10 - 7.20	25/20	8.5	Y
	0000134958	EN50264-3-1 600V 35M	TN 35	9.00 - 10.60	25/20	10.5	Y
Refer to line 2	0000135299	EN50264-3-1 1800V 35M	TN 35	11.10 - 13.00	25/20		TBC
	0000140008	EN50382-2 1800V X16F	FLP 16	9.60 - 11.20	25/20		TBC
	0000135102	EN50264-3-1 600V 50M	TN 50	10.60 - 12.40	25/20	7	N
	0000140010	EN50382-2 1800V X35F	TN 35	12.10 - 14.10	32/25		TBC
	0000135103	EN50264-3-1 1800V 50M	TN 50	12.50 - 14.60	32/25		TBC
	0000140039	EN50382-2 3600V 1X50 FXZ	TN 50	15.20 - 17.80	32/25		TBC
	0000140024	EN50382-2 3600V X50F	TN 50	14.40 - 16.90	32/25		TBC
	0000140011	EN50382-2 1800V X50F	TN 50	13.50 - 15.80	32/25		TBC
	0000135035	EN50264-3-1 600V 70M	TN 70	12.50 - 14.60	32/25	8	Y
	0000140040	EN50382-2 3600V 1X70 FXZ	TN 70	16.90 - 19.80	32/25	9	N
Refer to line 3	0000135040	EN50264-3-1 1800V 70M	TN 70	14.20 - 16.60	32/25	10	Y
	0000140012	EN50382-2 1800V X70F	TN 70	15.20 - 17.80	32/25	10	Y
	0000140025	EN50382-2 3600V X70F	TN 70	16.10 - 18.90	32/25		TBC
	0000135215	EN50264-3-1 600V 95M	TN 95	13.90 - 16.30	32/25	10	Y
	0000135303	EN50264-3-1 1800V 95M	TN 95	16.00 - 18.70	32/25		TBC
	0000140032	EN50382-2 3600V X100F	TN 100	17.50 - 20.50	40/32	10	Y
	0000140013	EN50382-2 1800V X95F	TN 95	17.00 - 19.90	40/32	10	Y
	0000134892	EN50264-3-1 600V 120M	TN 120 / TRS	15.70 - 18.40	40/32S		TBC
	0000136177	EN50264-3-1 1800V 120M	TN 120 / TRS	17.60 - 20.60	40/32		TBC
	0000140032	EN50382-2 3600V 1X70FF	TN 70	19.20 - 22.40	40/32		TBC
Refer to line 4	0000140033	EN50382-2 3600V 1X95FF	TN 95	20.80 - 24.30	40/32		TBC
	0000140041	EN50382-2 3600V 1X95 FXZ	TN 95	18.30 - 21.40	40/32		TBC
	0000140014	EN50382-2 1800V 1X120F	TN 120 / TRS	18.60 - 21.70	40/32	7.5	N
	0000140027	EN50382-2 3600V 1X120F	TN 120 / TRS	19.30 - 22.60	40/32		TBC
	0000140034	EN50382-2 3600V X120FF	TN 120 / TRS	22.40 - 26.20	40/32		TBC
	0000140042	EN50382-2 3600V 1X120 FXZ	TN 120 / TRS	20.10 - 23.50	40/32	10.5	N
	0000140043	EN50382-2 3600V 1X150 FXZ	TN 150	21.60 - 25.30	40/32		TBC
	0000140035	EN50382-2 3600V X150FF	TN 150	24.10 - 26.20	40/32		TBC
	0000140028	EN50382-2 3600V 1X150F	TN 150	20.80 - 24.40	40/32		TBC
	0000140015	EN50382-2 1800V 1X150F	TN 150	20.10 - 23.50	40/32	9	N
Refer to line 5	0000140002	EN50264-3-1 1800V 150M	TN 150	19.10 - 22.30	40/32	10.5	N
	0000140003	EN50264-3-1 1800V 185M	TN 185 / TRS	20.90 - 24.40	50/40S	11	Y
	0000140017	EN50382-2 1800V 1X185F	TN 185 / TRS	21.70 - 25.40	50/40S	11	Y
	0000140029	EN50382-2 3600V 1X185F	TN 185 / TRS	22.60 - 26.50	50/40S	10	Y
	0000140036	EN50382-2 3600V X185FF	TN 185 / TRS	26.40 - 30.90	50/40		TBC
	0000140044	EN50382-2 3600V 1X185 FXZ	TN 185 / TRS	23.40 - 27.40	50/40		TBC
	0000135079	EN50264-3-1 1800V 240M	TN 240	23.70 - 27.50	50/40	15	Y
	0000140018	EN50382-2 1800V 1X240F	TN 240	24.10 - 28.20	50/40	15	Y
	0000140030	EN50382-2 3600V 1X240F	TN 240	25.40 - 29.80	50/40	9	N
	0000140038	EN50382-2 3600V X240FF	TN 240	29.40 - 34.40	50/40L		TBC



INSTALLATION INSTRUCTIONS FOR A2EC-FL, A2-FL CABLE GLANDS

CABLE GLAND FOR USE WITH UNARMoured AND BRAID ARMoured CABLES
WITH ASSEMBLED LUG

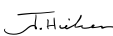


COMBINED ORDERING REFERENCE (NICKEL PLATED BRASS, METRIC THREADS)			AVAILABLE ENTRY THREADS 'C'			OVERALL CABLE DIAMETER 'A'		LUG WIDTH* 'G'	ACROSS FLATS 'D'	ACROSS CORNERS 'U'	PROTRUSION LENGTH 'F'	CABLE GLAND WEIGHT (KGS)
SIZE	TYPE	ORDERING SUFFIX	METRIC	STANDARD THREAD LENGTH 'E'	***SHORT THREAD LENGTH 'E'	MIN	MAX	MAX	MAX	MAX		
2520	A2EC-FL	IRAS01A	M12	15.0	8.0	5.0	8.0	8.0	36.0	39.6	37.0	0.27
2520	A2EC-FL	IRAS01	M16	15.0	8.0	5.0	9.5	9.5	36.0	39.6	37.0	0.26
2520	A2EC-FL	IRAS02	M20	15.0	8.0	5.0	14.0	14.0	36.0	39.6	37.0	0.25
2520	A2EC-FL	IRAS5	M25	15.0	8.0	5.0	14.0	20.0	36.0	39.6	37.0	0.28
3225	A2EC-FL	IRAS03	M25	15.0	9.0	12.0	20.0	20.0	41.0	45.1	37.0	0.27
3225	A2EC-FL	IRAS5	M32	15.0	9.0	12.0	20.0	27.5	41.0	45.1	37.0	0.27
4032S	A2EC-FL	IRAS04	M32	15.0	9.0	15.0	23.8	27.5	50.0	55.0	37.0	0.33
4032	A2EC-FL	IRAS04	M32	15.0	9.0	18.0	26.3	27.5	50.0	55.0	37.0	0.32
4032S	A2EC-FL	IRAS5	M40	15.0	9.0	15.0	23.8	31.5	50.0	55.0	37.0	0.32
4032	A2EC-FL	IRAS5	M40	15.0	9.0	18.0	26.3	34.0	50.0	55.0	37.0	0.33
5040S	A2EC-FL	IRAS5	M50	15.0	10.0	19.8	29.0	40.8	60.0	66.0	37.5	0.43
5040	A2EC-FL	IRAS5	M50	15.0	10.0	23.0	32.2	44.1	60.0	66.0	37.5	0.42
5040	A2EC-FL	IRAS07	M63	15.0	10.0	23.0	32.2	44.1	70.0	77.0	37.5	0.41
5040L	A2EC-FL	IRAS5	M50	15.0	10.0	26.0	35.0	44.1	60.0	66.0	37.5	0.42
5040XL	A2EC-FL	IRAS5	M50	15.0	10.0	32.5	40.0	44.1	60.0	66.0	37.5	0.42

Dimensions are displayed in millimetres unless otherwise stated

* Maximum cable lug to fit through bore of cable gland
**For short thread lengths add the suffix '/S' after the 'IRAS'

CMP Products Limited on its sole responsibility declares that the equipment referred to herein conforms to the requirements of:
IEC 62444: 2010 Ed 1, EN 45545-2: 2013 + A1: 2015, NF F 61-030: 1992, BS EN 61373: 2010 & NFC93400 (IEC 60512-17-4)

 Jonathan Hichens – Certification Manager (Authorised Person)
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Note: All gland sizes are to be tightened as follows - Contact +2 turns or face to face (F2F), which ever occurs first.



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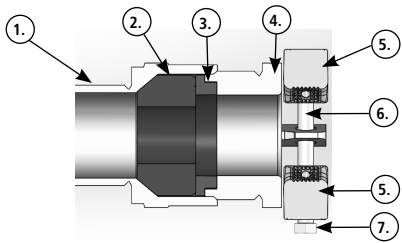
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F1606		
Certification	Revision	Date
IFS	3	03/20

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPE A2EC-FL, A2-FL

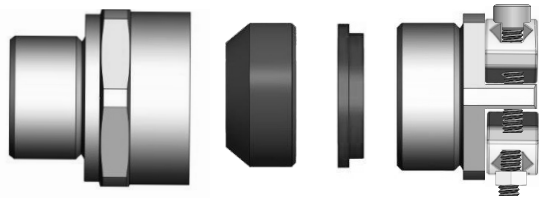
CABLE GLAND COMPONENTS

- 1. Entry Item
- 2. Seal
- 3. Skid washer
- 4. Compression nut
- 5. Clamp (A2EC-FL only)
- 6. Bolt (A2EC-FL only)
- 7. Nut (A2EC-FL only)

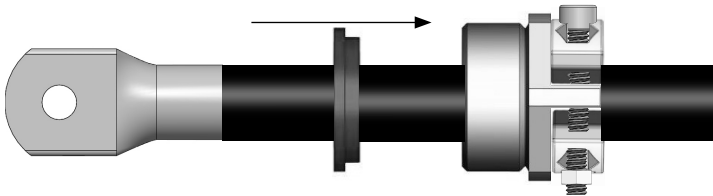


PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

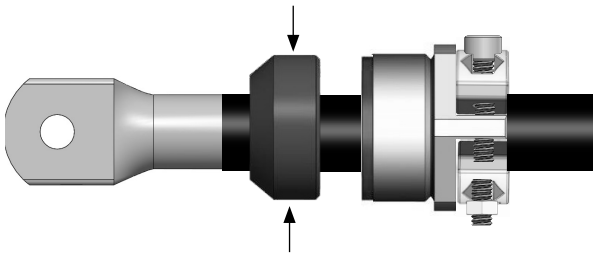
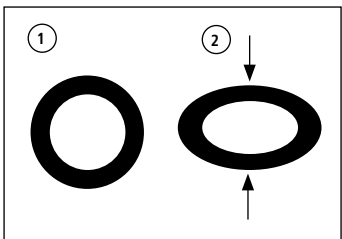
1. Dismantle the gland as illustrated below. Loosen the clamp enough to allow the lug to pass through. For A2-FL disregard step 4.



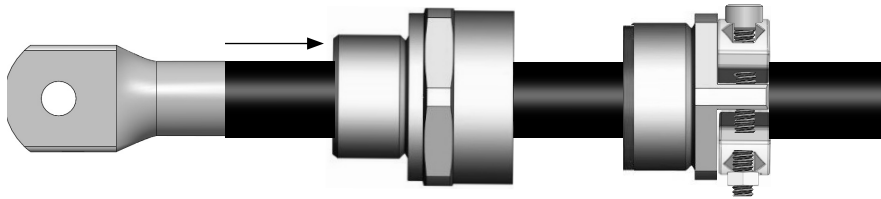
2 a) Pass the compression nut and skid washer over the lug and down the cable.



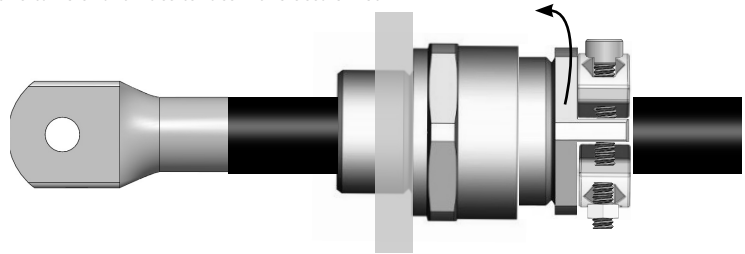
2 b) Manipulate the seal to create an oval shape to allow the lug to pass through.



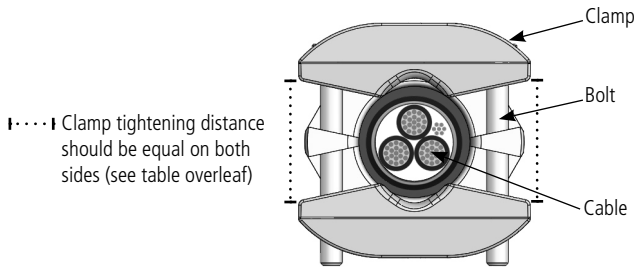
2 c) Pass entry item over seal and re-assemble the full gland.



3. Attach the gland to the enclosure/equipment. Tighten the gland until there is visible contact between the seal and cable, then apply two turns or until face to face if this occurs first.



4. Tighten clamp as indicated on table overleaf (A2EC-FL only).



Clamp insert may be required for smaller cable diameters (see table overleaf)

