

GROUNDING LOCKNUTS

CMP Products' Grounding locknuts for use with cable glands, conduit fittings, tubing (EMT) fittings and conduit as a means of reliably and safely bonding the locknut (and gland) to the enclosure or equipment.

Providing electrical continuity and tested to the requirements of CEC and NEC wiring codes CMP's grounding locknuts reduce the chance of equipment failure, downtime, power interruptions and eliminate potential safety issues.

Grounding locknuts are available with either a grounding terminal or lay-in lug and are available in stainless steel (GRLN4), aluminum (GRLN1) and nickel plated brass (GRLN5), e.g 20GRLN4 for M20 Stainless Steel Grounding Locknut.

NPT grounding locknuts are supplied as standard in aluminum and Metric in nickel plated brass. Hammer and screwdriver installation grooves only on aluminium design (as pictured).

STANDARD - SMALL LAY-IN LUG - 14-4 AWG
OPTIONAL - MEDIUM LAY-IN LUG - 14-2/0 AWG
OPTIONAL - LARGE LAY-IN LUG - 6-250 AWG

AWG - American wire gauge

NPT							
ORDERING REFERENCE ALUMINUM WITH ANGLED LAY-IN LUG			THREAD DIAMETER NPT	MINIMUM LOCKNUT THICKNESS 14-4 & 14-2/0 LUG	MINIMUM LOCKNUT THICKNESS 6-250 LUG	ACROSS FLATS DIMENSION	ACROSS CORNERS DIAMETER
STANDARD 14-4 AWG	OPTIONAL 14-2/0 AWG	OPTIONAL 6-250 AWG*					
050NPTGRLN14A	-	-	½"	0.48	-	1.20	1.32
075NPTGRLN14A	-	-	¾"	0.48	-	1.48	1.63
100NPTGRLN14A	100NPTGRLN110A	-	1"	0.48	-	1.81	1.99
125NPTGRLN14A	125NPTGRLN110A	-	1 ¼"	0.48	-	2.05	2.25
150NPTGRLN14A	150NPTGRLN110A	-	1 ½"	0.48	-	2.36	2.60
200NPTGRLN14A	200NPTGRLN110A	-	2"	0.48	-	2.76	3.03
250NPTGRLN14A	250NPTGRLN110A	250NPTGRLN125	2 ½"	0.48	0.68	3.54	3.90
300NPTGRLN14A	300NPTGRLN110A	300NPTGRLN125	3"	0.48	0.68	4.33	4.76
350NPTGRLN14A	350NPTGRLN110A	350NPTGRLN125	3 ½"	0.48	0.68	4.84	5.33
400NPTGRLN14A	400NPTGRLN110A	400NPTGRLN125	4"	0.48	0.68	5.24	5.76
Dimensions shown are in inches unless otherwise stated							

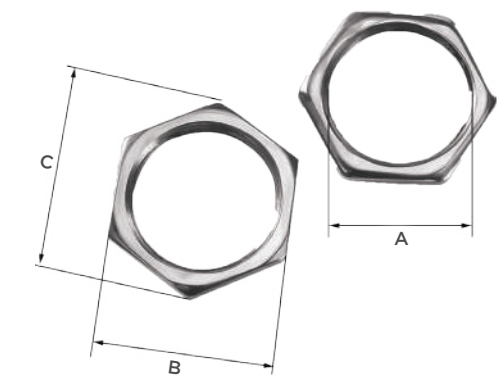
Grounding Locknuts with Lay-in-Lug are available in Nickel Plated Brass & Stainless Steel. Lay-in-Lug will always be Aluminum regardless of locknut material. Lay-in-Lug may be angled or straight design, remove 'A' suffix from order reference for straight design. *Only the straight lay-in-lug design is available for 6-250 AWG.

METRIC					
ORDERING REFERENCE WITH GROUNDING TERMINAL		THREAD DIAMETER METRIC	MINIMUM THICKNESS	ACROSS FLATS DIMENSION	ACROSS CORNERS DIAMETER
STANDARD NICKEL PLATED BRASS	OPTIONAL STAINLESS STEEL				
20GRLN5	20GRLN4	M20	0.48	1.20	1.32
25GRLN5	25GRLN4	M25	0.48	1.48	1.63
32GRLN5	32GRLN4	M32	0.48	1.81	1.99
40GRLN5	40GRLN4	M40	0.48	2.05	2.25
50GRLN5	50GRLN4	M50	0.48	2.36	2.60
63GRLN5	63GRLN4	M63	0.48	2.76	3.03
75GRLN5	75GRLN4	M75	0.48	3.54	3.90
90GRLN5	90GRLN4	M90	0.48	4.33	4.76
100GRLN5	100GRLN4	M100	0.48	4.84	5.33
115GRLN5	115GRLN4	M115	0.48	5.24	5.76
Dimensions shown are in inches unless otherwise stated					

Grounding Terminal will always be Stainless Steel regardless of locknut material. Grounding Terminal is suitable for wire sizes 0.5mm2 to 2.5mm2.

STANDARD LOCKNUTS

Nickel Plated Brass - Recommended in securing brass Cable Glands and Accessories to a gland plate or into equipment.



In metric thread form CMP offers brass locknuts in a choice of standard duty and heavy duty options for sizes up to and including M32. The part numbers are distinguished by an additional letter H, e.g. 20LN = standard duty, and 20HLN = heavy duty. From size M40 all brass metric locknuts are considered to be heavy duty.

Aluminum - Recommended when installing aluminum Cable Glands to prevent the galvanic corrosion which can occur when dissimilar metals are coupled together.

Ordering references shown in Nickel Plated Brass.

CONDUIT LOCKNUTS

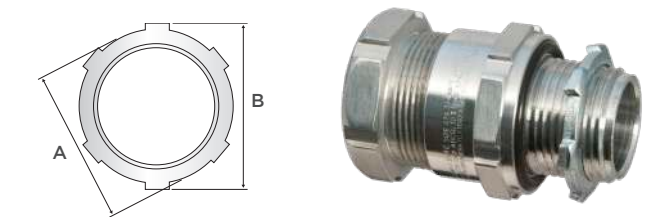
Conduit Locknuts act as an anti-vibration device preventing the cable gland or accessory from inadvertently loosening in service.

Zinc Plated Mild Steel - A cost effective locknut recommended when using nickel plated Cable Glands, should be used only in dry, low humidity conditions.

Aluminium - Recommended when installing aluminium Cable Glands to prevent the galvanic corrosion which can occur when dissimilar metals are coupled together.

NPT						
ORDERING REFERENCE (ALUMINIUM)	ORDERING REFERENCE (GALVANIZED / ZINC PLATED STEEL)	ORDERING REFERENCE (STAINLESS STEEL)	NPT THREAD DIAMETER	MINIMUM THICKNESS	ACROSS CASTELLATION 'B'	ACROSS DIAMETER 'A'
050NPTCLN1	050NPTCLN6	050NPTCLN4	½"	0.10	1.13	1.00
075NPTCLN1	075NPTCLN6	075NPTCLN4	¾"	0.10	1.39	1.26
100NPTCLN1	100NPTCLN6	100NPTCLN4	1"	0.13	1.71	1.57
125NPTCLN1	125NPTCLN6	125NPTCLN4	1 ¼"	0.17	2.07	1.90
150NPTCLN1	150NPTCLN6	150NPTCLN4	1 ½"	0.17	2.36	2.17
200NPTCLN1	200NPTCLN6	200NPTCLN4	2"	0.17	2.86	2.68
250NPTCLN1	250NPTCLN6	250NPTCLN4	2½"	0.17	3.43	3.25
300NPTCLN1	300NPTCLN6	300NPTCLN4	3"	0.17	4.11	3.95
350NPTCLN1	350NPTCLN6	350NPTCLN4	3 ½"	0.17	4.69	4.49
400NPTCLN1	400NPTCLN6	400NPTCLN4	4"	0.17	5.27	5.00
All dimension shown are in inches unless otherwise stated						

METRIC				
ORDERING REFERENCE (METRIC)	THREAD DIAMETER 'A'	MINIMUM THICKNESS	ACROSS FLATS DIMENSION 'B'	ACROSS CORNERS DIAMETER 'C'
16LN5	M16 X 1.5	0.13	0.87	1.00
20LN5	M20 X 1.5	0.13	0.94	1.09
25LN5	M25 X 1.5	0.13	1.18	1.36
32LN5	M32 X 1.5	0.13	1.42	1.64
40LN5	M40 X 1.5	0.19	1.81	2.09
50LN5	M50 X 1.5	0.25	2.17	2.50
63LN5	M63 X 1.5	0.25	2.76	3.18
75LN5	M75 X 1.5	0.25	3.31	3.82
90LN5	M90 X 2.0	0.37	4.17	4.82
100LN5	M100 X 2.0	0.37	4.84	5.59
NPT				
ORDERING REFERENCE (NPT)	THREAD DIAMETER 'A'	MINIMUM THICKNESS	ACROSS FLATS DIMENSION 'B'	ACROSS CORNERS DIAMETER 'C'
050NPTLN5	½" NPT	0.19	1.06	1.23
075NPTLN5	¾" NPT	0.19	1.30	1.50
100NPTLN5	1" NPT	0.19	1.61	1.86
125NPTLN5	1¼" NPT	0.19	1.97	2.27
150NPTLN5	1 ½" NPT	0.20	2.36	2.73
200NPTLN5	2" NPT	0.20	2.95	3.49
250NPTLN5	2 ½" NPT	0.39	3.31	3.82
300NPTLN5	3" NPT	0.39	3.94	4.55
350NPTLN5	3 ½" NPT	0.44	4.50	5.20
350NPTLN5	4" NPT	0.47	5.12	5.91
Dimensions shown are in inches unless otherwise stated				



TC Cable Gland shown as example