

## LOCKNUTS

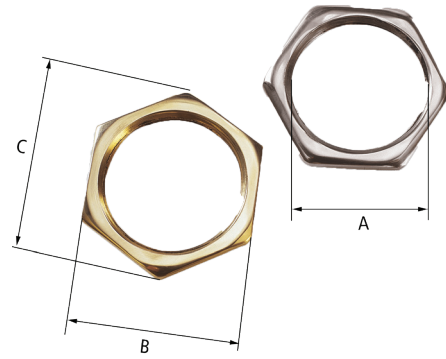
**Brass** - Recommended in securing brass cable glands and accessories to a gland plate or into equipment. In metric thread form CMP offers brass locknuts in a choice of standard duty and heavy duty options for sizes up to and including M32. The part numbers are distinguished by an additional letter H, e.g. 20LN = standard duty, and 20HLN = heavy duty. From size M40 all brass metric locknuts are considered to be heavy duty.

**Zinc plated mild steel** - A cost effective alternative to brass locknuts and 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.

**Stainless steel** - Corrosion resistant with increased strength at high temperatures.

Please refer to ordering reference numbers (page 163), e.g. 20LN4 for M20 Stainless steel locknut, 050NPTLN4 for 1/2" NPT Stainless steel locknut.



NPT - LOCKNUTS				
ORDERING REFERENCE (BRASS)	THREAD DIAMETER "A"	MINIMUM THICKNESS	ACROSS FLATS DIMENSION "B"	ACROSS CORNERS DIAMETER "C"
050NPTLN	1/2" NPT	4.8	27.0	31.2
075NPTLN	3/4" NPT	4.8	33.0	38.1
100NPTLN	1" NPT	4.8	41.0	47.3
125NPTLN	1 1/4" NPT	4.8	50.0	57.7
150NPTLN	1 1/2" NPT	5.0	60.0	69.3
200NPTLN	2" NPT	5.0	75.0	88.6
250NPTLN	2 1/2" NPT	10.0	84.0	97.0
300NPTLN	3" NPT	10.0	100.0	115.5
350NPTLN	3 1/2" NPT	11.2	114.3	132.0
400NPTLN	4" NPT	12.0	130.0	150.1

All dimension shown are in millimetres unless otherwise stated

METRIC - LOCKNUTS				
ORDERING REFERENCE (BRASS)	THREAD DIAMETER "A"	MINIMUM THICKNESS	ACROSS FLATS DIMENSION "B"	ACROSS CORNERS DIAMETER "C"
16LN	M16 X 1.5	3.2	22.0	25.4
16HLN	M16 X 1.5	5.0	22.0	25.4
20LN	M20 X 1.5	3.2	24.0	27.7
20HLN	M20 X 1.5	5.0	24.0	27.7
25LN	M25 X 1.5	3.2	30.0	34.6
25HLN	M25 X 1.5	5.0	30.0	34.6
32LN	M32 X 1.5	3.2	36.0	41.6
32HLN	M32 X 1.5	5.0	36.0	41.6
40LN	M40 X 1.5	4.8	46.0	53.1
50LN	M50 X 1.5	6.3	55.0	63.5
63LN	M63 X 1.5	6.3	70.0	80.8
75LN	M75 X 1.5	6.3	84.0	97.0
90LN	M90 X 2.0	9.5	106.0	122.4
100LN	M100 X 2.0	9.5	123.0	142.0

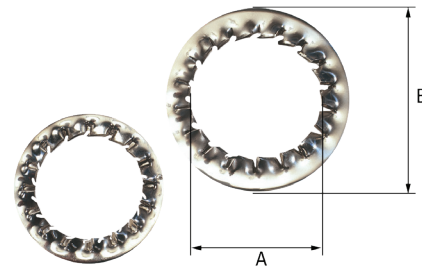
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## SERRATED WASHERS

Available in stainless steel, these 'shake-proof' serrated washers are fitted internally to the equipment before a locknut and act as an anti-vibration device to prevent the cable gland or accessory from inadvertently loosening in service.

In typical installations that are not subject to vibration, a serrated washer may not be required but consideration should be given to the following statement:

Self-loosening should be avoided according to clause 6.4.1 of IEC 60079-14, this can occur through relative motion over time even without vibration, due to differential thermal effects caused as a result of either differences in temperature or differences in clamped materials.



NPT - SERRATED WASHERS			
ORDERING REFERENCE (STAINLESS STEEL)	REFERENCE DIAMETER "A"	MINIMUM THICKNESS	EXTERNAL DIAMETER "B"
050NPTSW4	1/2" NPT	3.9	32.5
075NPTSW4	3/4" NPT	3.9	40.0
100NPTSW4	1" NPT	3.9	43.5
125NPTSW4	1 1/4" NPT	3.9	64.5
150NPTSW4	1 1/2" NPT	3.9	80.0
200NPTSW4	2" NPT	3.9	100.0
250NPTSW4	2 1/2" NPT	3.9	112.0
300NPTSW4	3" NPT	4.1	135.0
350NPTSW4	3 1/2" NPT	4.1	145.0
400NPTSW4	4" NPT	4.1	185.0

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METRIC - SERRATED WASHERS			
ORDERING REFERENCE (STAINLESS STEEL)	REFERENCE DIAMETER "A"	MINIMUM THICKNESS	EXTERNAL DIAMETER "B"
16SW4	M16	3.9	25.5
20SW4	M20	3.9	32.5
25SW4	M25	3.9	40.0
32SW4	M32	3.9	43.5
40SW4	M40	3.9	64.5
50SW4	M50	3.9	80.0
63SW4	M63	3.9	100.0
75SW4	M75	4.1	112.0
90SW4	M90	4.1	135.0
100SW4	M100	4.1	145.0

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