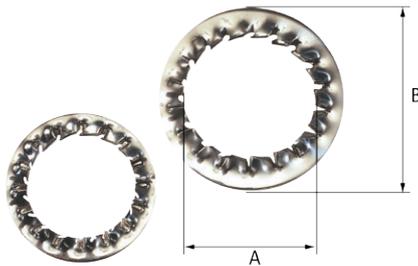


| METRIC - LOCKNUTS | | | | |
|----------------------------|---------------------|-------------------|----------------------------|-----------------------------|
| Ordering Reference (Brass) | Thread Diameter "A" | Minimum Thickness | Across Flats Dimension "B" | Across Corners Diameter "C" |
| 16LN | 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 |

All dimension shown are in millimetres unless otherwise stated



| 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 |

All dimension shown are in millimetres unless otherwise stated

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 139), 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 |
| 350NPTLN | 4" NPT | 12.0 | 130.0 | 150.1 |

All dimension shown are in millimetres unless otherwise stated

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.

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 |

All dimension shown are in millimetres unless otherwise stated