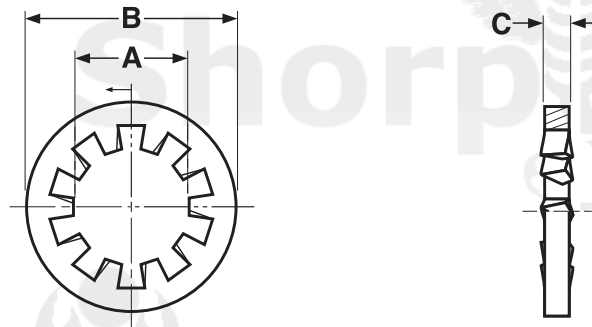


Internal Tooth Lockwasher

WASHERS



| METRIC - INTERNAL TOOTH LOCKWASHERS | | | | | | DIN 6797 J; JIS B 1255 |
|-------------------------------------|-----------------|------|------------------|-------|------------------|---|
| Nominal Size | A | | B | | C | Preferred Number of Teeth per DIN spec* |
| | Inside Diameter | | Outside Diameter | | Washer Thickness | |
| | Max | Min | Max | Min | Min | |
| M2 | 2.34 | 2.2 | 4.5 | 4.2 | 0.6 | 6 |
| M2.5 | 2.84 | 2.7 | 5.5 | 5.2 | 0.8 | 6 |
| M3 | 3.38 | 3.2 | 6 | 5.7 | 0.8 | 6 |
| M3.5 | 3.88 | 3.7 | 7 | 6.64 | 1 | 6 |
| M4 | 4.48 | 4.3 | 8 | 7.64 | 1 | 8 |
| M5 | 5.48 | 5.3 | 10 | 9.64 | 1.2 | 8 |
| M6 | 6.62 | 6.4 | 10 | 9.64 | 1.2 | 8 |
| M8 | 8.62 | 8.4 | 15 | 14.57 | 1.6 | 8 |
| M10 | 10.77 | 10.5 | 18 | 17.57 | 1.8 | 9 |
| M12 | 13.27 | 13 | 20.5 | 19.98 | 2 | 10 |
| M14 | 15.27 | 15 | 24 | 23.48 | 2 | 10 |
| M16 | 17.27 | 17 | 26 | 25.48 | 2.4 | 12 |
| M20 | 21.33 | 21 | 33 | 32.38 | 2.8 | 12 |

*Slight deviation from the preferred number of teeth is permitted for JIS washers.

| | | |
|---------------------------------|---|---|
| Description | A hardened circular washer with twisted prongs or "teeth" which extend inward from the inside edge of the washer. | A "soft" stainless circular washer with twisted prongs or "teeth" which extend inward from the inside edge of the washer. |
| Applications/ Advantages | This is preferred when finished appearance is crucial and the teeth must be hidden under the head of the screw; also recommended for use with small heads such as fillisters. | |
| Material | Spring steel | A2 Stainless Steel |
| Hardness | Vickers 350-425 HV | - |
| Plating | See Appendix-A for information on the plating of steel lock washers. | Stainless washers are usually provided without additional finish. |