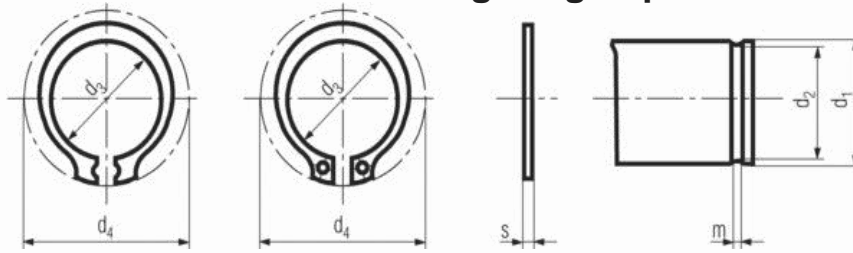


DIN 471 - External Retaining Rings Specifications



All measurements in millimeters (mm)

| d ₁ | s | d ₃ |
|----------------|------|----------------|
| M3 | 0.4 | 2.7 |
| M4 | 0.4 | 3.7 |
| M5 | 0.6 | 4.7 |
| M6 | 0.7 | 5.6 |
| M7 | 0.8 | 6.5 |
| M8 | 0.8 | 7.4 |
| M9 | 1 | 8.4 |
| M10 | 1 | 9.3 |
| M11 | 1 | 10.2 |
| M12 | 1 | 11 |
| M13 | 1 | 11.9 |
| M14 | 1 | 12.9 |
| M15 | 1 | 13.8 |
| M16 | 1 | 14.7 |
| M17 | 1 | 15.7 |
| M18 | 1.2 | 16.5 |
| M19 | 1.2 | 17.5 |
| M20 | 1.2 | 18.5 |
| M21 | 1.2 | 19.5 |
| M22 | 1.2 | 20.5 |
| M23 | 1.2 | 21.4 |
| M24 | 1.2 | 22.2 |
| M25 | 1.2 | 23.2 |
| M26 | 1.2 | 24.2 |
| M27 | 1.2 | 25.1 |
| M28 | 1.5 | 25.9 |
| M29 | 1.5 | 26.9 |
| M30 | 1.5 | 27.9 |
| M31 | 1.5 | 28.7 |
| M32 | 1.5 | 29.6 |
| M33 | 1.5 | 30.5 |
| M34 | 1.5 | 31.5 |
| M35 | 1.5 | 32.2 |
| M36 | 1.75 | 33.2 |
| M37 | 1.75 | 34.2 |
| M38 | 1.75 | 35.2 |
| M39 | 1.75 | 35.8 |

| d ₁ | s | d ₃ |
|----------------|------|----------------|
| M40 | 1.75 | 36.5 |
| M41 | 1.75 | 37.5 |
| M42 | 1.75 | 38.5 |
| M44 | 1.75 | 40.5 |
| M45 | 1.75 | 41.5 |
| M46 | 1.75 | 42.5 |
| M47 | 1.75 | 43.5 |
| M48 | 1.75 | 44.5 |
| M50 | 2 | 45.8 |
| M52 | 2 | 47.8 |
| M54 | 2 | 49.8 |
| M55 | 2 | 50.8 |
| M56 | 2 | 51.8 |
| M57 | 2 | 52.8 |
| M58 | 2 | 53.8 |
| M60 | 2 | 55.8 |
| M62 | 2 | 57.8 |
| M63 | 2 | 58.8 |
| M65 | 2.5 | 60.8 |
| M67 | 2.5 | 62.6 |
| M68 | 2.5 | 63.5 |
| M70 | 2.5 | 65.5 |
| M72 | 2.5 | 67.5 |
| M75 | 2.5 | 70.5 |
| M77 | 2.5 | 72.5 |
| M78 | 2.5 | 73.5 |
| M80 | 2.5 | 74.5 |
| M82 | 2.5 | 76.5 |
| M85 | 3 | 79.5 |
| M87 | 3 | 81.5 |
| M88 | 3 | 82.5 |
| M90 | 3 | 84.5 |
| M92 | 3 | 84.5 |
| M95 | 3 | 89.5 |
| M97 | 3 | 89.5 |
| M98 | 3 | 89.5 |
| M100 | 3 | 94.5 |

| d ₁ | s | d ₃ |
|----------------|---|----------------|
| M102 | 3 | 94.5 |
| M105 | 4 | 98 |
| M107 | 4 | 98 |
| M108 | 4 | 98 |
| M110 | 4 | 103 |
| M112 | 4 | 103 |
| M115 | 4 | 108 |
| M117 | 4 | 108 |
| M118 | 4 | 108 |
| M120 | 4 | 113 |
| M122 | 4 | 113 |
| M125 | 4 | 118 |
| M127 | 4 | 118 |
| M128 | 4 | 118 |
| M130 | 4 | 123 |
| M132 | 4 | 123 |
| M135 | 4 | 128 |
| M137 | 4 | 128 |
| M138 | 4 | 128 |
| M140 | 4 | 133 |
| M142 | 4 | 133 |
| M145 | 4 | 138 |
| M147 | 4 | 138 |
| M148 | 4 | 138 |
| M150 | 4 | 142 |
| M152 | 4 | 142 |
| M155 | 4 | 146 |
| M157 | 4 | 146 |
| M158 | 4 | 146 |
| M160 | 4 | 151 |
| M162 | 4 | 151 |

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