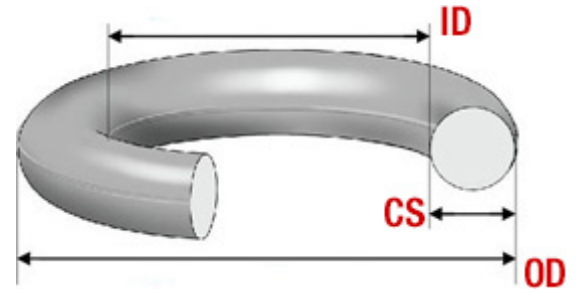


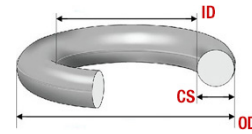
Standard Japanese O-Rings sizes. Tolerances vary by use, please see out tolerance pages. Thousands of non-standard sizes are available in stock or can be made within a few weeks typically without tooling fees so no need to settle for a less than optimal fit.



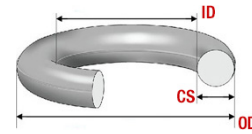
| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| G25 | 0.122 | 0.961 | 1.205 | 3.10 | 24.40 | 30.60 | G25 |
| G30 | 0.122 | 1.157 | 1.401 | 3.10 | 29.40 | 35.60 | G30 |
| G35 | 0.122 | 1.354 | 1.598 | 3.10 | 34.40 | 40.60 | G35 |
| G40 | 0.122 | 1.551 | 1.795 | 3.10 | 39.40 | 45.60 | G40 |
| G45 | 0.122 | 1.748 | 1.992 | 3.10 | 44.40 | 50.60 | G45 |
| G50 | 0.122 | 1.945 | 2.189 | 3.10 | 49.40 | 55.60 | G50 |
| G55 | 0.122 | 2.142 | 2.386 | 3.10 | 54.40 | 60.60 | G55 |
| G60 | 0.122 | 2.339 | 2.583 | 3.10 | 59.40 | 65.60 | G60 |
| G65 | 0.122 | 2.535 | 2.779 | 3.10 | 64.40 | 70.60 | G65 |
| G70 | 0.122 | 2.732 | 2.976 | 3.10 | 69.40 | 75.60 | G70 |
| G75 | 0.122 | 2.929 | 3.173 | 3.10 | 74.40 | 80.60 | G75 |
| G80 | 0.122 | 3.126 | 3.370 | 3.10 | 79.40 | 85.60 | G80 |
| G85 | 0.122 | 3.323 | 3.567 | 3.10 | 84.40 | 90.60 | G85 |
| G90 | 0.122 | 3.520 | 3.764 | 3.10 | 89.40 | 95.60 | G90 |
| G95 | 0.122 | 3.717 | 3.961 | 3.10 | 94.40 | 100.60 | G95 |
| G100 | 0.122 | 3.913 | 4.157 | 3.10 | 99.40 | 105.60 | G100 |
| G105 | 0.122 | 4.110 | 4.354 | 3.10 | 104.40 | 110.60 | G105 |
| G110 | 0.122 | 4.307 | 4.551 | 3.10 | 109.40 | 115.60 | G110 |
| G115 | 0.122 | 4.504 | 4.748 | 3.10 | 114.40 | 120.60 | G115 |
| G120 | 0.122 | 4.701 | 4.945 | 3.10 | 119.40 | 125.60 | G120 |
| G125 | 0.122 | 4.898 | 5.142 | 3.10 | 124.40 | 130.60 | G125 |
| G130 | 0.122 | 5.094 | 5.338 | 3.10 | 129.40 | 135.60 | G130 |
| G135 | 0.122 | 5.291 | 5.535 | 3.10 | 134.40 | 140.60 | G135 |
| G140 | 0.122 | 5.488 | 5.732 | 3.10 | 139.40 | 145.60 | G140 |
| G145 | 0.122 | 5.685 | 5.929 | 3.10 | 144.40 | 150.60 | G145 |
| G150 | 0.224 | 5.878 | 6.326 | 5.70 | 149.30 | 160.70 | G150 |
| G155 | 0.224 | 6.075 | 6.523 | 5.70 | 154.30 | 165.70 | G155 |
| G160 | 0.224 | 6.272 | 6.720 | 5.70 | 159.30 | 170.70 | G160 |
| G165 | 0.224 | 6.469 | 6.917 | 5.70 | 164.30 | 175.70 | G165 |
| G170 | 0.224 | 6.665 | 7.113 | 5.70 | 169.30 | 180.70 | G170 |
| G175 | 0.224 | 6.862 | 7.310 | 5.70 | 174.30 | 185.70 | G175 |
| G180 | 0.224 | 7.059 | 7.507 | 5.70 | 179.30 | 190.70 | G180 |
| G185 | 0.224 | 7.256 | 7.704 | 5.70 | 184.30 | 195.70 | G185 |



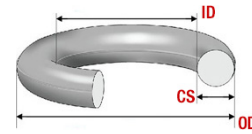
| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| G190 | 0.224 | 7.453 | 7.901 | 5.70 | 189.30 | 200.70 | G190 |
| G195 | 0.224 | 7.650 | 8.098 | 5.70 | 194.30 | 205.70 | G195 |
| G200 | 0.224 | 7.846 | 8.294 | 5.70 | 199.30 | 210.70 | G200 |
| G210 | 0.224 | 8.240 | 8.688 | 5.70 | 209.30 | 220.70 | G210 |
| G220 | 0.224 | 8.634 | 9.082 | 5.70 | 219.30 | 230.70 | G220 |
| G230 | 0.224 | 9.028 | 9.476 | 5.70 | 229.30 | 240.70 | G230 |
| G240 | 0.224 | 9.421 | 9.869 | 5.70 | 239.30 | 250.70 | G240 |
| G250 | 0.224 | 9.815 | 10.263 | 5.70 | 249.30 | 260.70 | G250 |
| G255 | 0.224 | 10.012 | 10.460 | 5.70 | 254.30 | 265.70 | G255 |
| G260 | 0.224 | 10.209 | 10.657 | 5.70 | 259.30 | 270.70 | G260 |
| G270 | 0.224 | 10.602 | 11.050 | 5.70 | 269.30 | 280.70 | G270 |
| G280 | 0.224 | 10.996 | 11.444 | 5.70 | 279.30 | 290.70 | G280 |
| G290 | 0.224 | 11.390 | 11.838 | 5.70 | 289.30 | 300.70 | G290 |
| G300 | 0.224 | 11.783 | 12.231 | 5.70 | 299.30 | 310.70 | G300 |
| G305 | 0.224 | 11.980 | 12.428 | 5.70 | 304.30 | 315.70 | G305 |
| G310 | 0.224 | 12.177 | 12.625 | 5.70 | 309.30 | 320.70 | G310 |
| G315 | 0.224 | 12.374 | 12.822 | 5.70 | 314.30 | 325.70 | G315 |
| G320 | 0.224 | 12.571 | 13.019 | 5.70 | 319.30 | 330.70 | G320 |
| G325 | 0.224 | 12.768 | 13.216 | 5.70 | 324.30 | 335.70 | G325 |
| G330 | 0.224 | 12.965 | 13.413 | 5.70 | 329.30 | 340.70 | G330 |
| G335 | 0.224 | 13.161 | 13.609 | 5.70 | 334.30 | 345.70 | G335 |
| G340 | 0.224 | 13.358 | 13.806 | 5.70 | 339.30 | 350.70 | G340 |
| G345 | 0.224 | 13.555 | 14.003 | 5.70 | 344.30 | 355.70 | G345 |
| G350 | 0.224 | 13.752 | 14.200 | 5.70 | 349.30 | 360.70 | G350 |
| G355 | 0.224 | 13.949 | 14.397 | 5.70 | 354.30 | 365.70 | G355 |
| G360 | 0.224 | 14.146 | 14.594 | 5.70 | 359.30 | 370.70 | G360 |
| G365 | 0.224 | 14.342 | 14.790 | 5.70 | 364.30 | 375.70 | G365 |
| G370 | 0.224 | 14.539 | 14.987 | 5.70 | 369.30 | 380.70 | G370 |
| G375 | 0.224 | 14.736 | 15.184 | 5.70 | 374.30 | 385.70 | G375 |
| G380 | 0.224 | 14.933 | 15.381 | 5.70 | 379.30 | 390.70 | G380 |
| G385 | 0.224 | 15.130 | 15.578 | 5.70 | 384.30 | 395.70 | G385 |
| G390 | 0.224 | 15.327 | 15.775 | 5.70 | 389.30 | 400.70 | G390 |
| G395 | 0.224 | 15.524 | 15.972 | 5.70 | 394.30 | 405.70 | G395 |
| G400 | 0.224 | 15.720 | 16.168 | 5.70 | 399.30 | 410.70 | G400 |
| G405 | 0.224 | 15.917 | 16.365 | 5.70 | 404.30 | 415.70 | G405 |
| G410 | 0.224 | 16.114 | 16.562 | 5.70 | 409.30 | 420.70 | G410 |
| G415 | 0.224 | 16.311 | 16.759 | 5.70 | 414.30 | 425.70 | G415 |
| G420 | 0.224 | 16.508 | 16.956 | 5.70 | 419.30 | 430.70 | G420 |
| G425 | 0.224 | 16.705 | 17.153 | 5.70 | 424.30 | 435.70 | G425 |
| G430 | 0.224 | 16.902 | 17.350 | 5.70 | 429.30 | 440.70 | G430 |



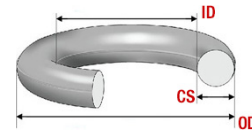
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|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| G435 | 0.224 | 17.098 | 17.546 | 5.70 | 434.30 | 445.70 | G435 |
| G440 | 0.224 | 17.295 | 17.743 | 5.70 | 439.30 | 450.70 | G440 |
| G445 | 0.224 | 17.492 | 17.940 | 5.70 | 444.30 | 455.70 | G445 |
| G450 | 0.224 | 17.689 | 18.137 | 5.70 | 449.30 | 460.70 | G450 |
| G455 | 0.224 | 17.886 | 18.334 | 5.70 | 454.30 | 465.70 | G455 |
| G460 | 0.224 | 18.083 | 18.531 | 5.70 | 459.30 | 470.70 | G460 |
| G465 | 0.224 | 18.279 | 18.727 | 5.70 | 464.30 | 475.70 | G465 |
| G470 | 0.224 | 18.476 | 18.924 | 5.70 | 469.30 | 480.70 | G470 |
| G475 | 0.224 | 18.673 | 19.121 | 5.70 | 474.30 | 485.70 | G475 |
| G480 | 0.224 | 18.870 | 19.318 | 5.70 | 479.30 | 490.70 | G480 |
| G485 | 0.224 | 19.067 | 19.515 | 5.70 | 484.30 | 495.70 | G485 |
| G490 | 0.224 | 19.264 | 19.712 | 5.70 | 489.30 | 500.70 | G490 |
| G495 | 0.224 | 19.461 | 19.909 | 5.70 | 494.30 | 505.70 | G495 |
| G500 | 0.224 | 19.657 | 20.105 | 5.70 | 499.30 | 510.70 | G500 |
| G510 | 0.224 | 20.051 | 20.499 | 5.70 | 509.30 | 520.70 | G510 |
| G520 | 0.224 | 20.445 | 20.893 | 5.70 | 519.30 | 530.70 | G520 |
| G530 | 0.224 | 20.839 | 21.287 | 5.70 | 529.30 | 540.70 | G530 |
| G540 | 0.224 | 21.232 | 21.680 | 5.70 | 539.30 | 550.70 | G540 |
| G550 | 0.224 | 21.626 | 22.074 | 5.70 | 549.30 | 560.70 | G550 |
| G560 | 0.224 | 22.020 | 22.468 | 5.70 | 559.30 | 570.70 | G560 |
| G570 | 0.224 | 22.413 | 22.861 | 5.70 | 569.30 | 580.70 | G570 |
| G580 | 0.224 | 22.807 | 23.255 | 5.70 | 579.30 | 590.70 | G580 |
| G590 | 0.224 | 23.201 | 23.649 | 5.70 | 589.30 | 600.70 | G590 |
| G600 | 0.224 | 23.594 | 24.042 | 5.70 | 599.30 | 610.70 | G600 |
| G605 | 0.224 | 23.791 | 24.239 | 5.70 | 604.30 | 615.70 | G605 |
| G860 | 0.224 | 33.831 | 34.279 | 5.70 | 859.30 | 870.70 | G860 |
| G910 | 0.224 | 35.799 | 36.247 | 5.70 | 909.30 | 920.70 | G910 |
| GM005 | 0.197 | 0.197 | 0.591 | 5.00 | 5.00 | 15.00 | GM005 |
| GM010 | 0.197 | 0.394 | 0.788 | 5.00 | 10.00 | 20.00 | GM010 |
| GM015 | 0.197 | 0.591 | 0.985 | 5.00 | 15.00 | 25.00 | GM015 |
| GM020 | 0.197 | 0.787 | 1.181 | 5.00 | 20.00 | 30.00 | GM020 |
| GM025 | 0.197 | 0.984 | 1.378 | 5.00 | 25.00 | 35.00 | GM025 |
| GM030 | 0.197 | 1.181 | 1.575 | 5.00 | 30.00 | 40.00 | GM030 |
| GM035 | 0.197 | 1.378 | 1.772 | 5.00 | 35.00 | 45.00 | GM035 |
| GM040 | 0.197 | 1.575 | 1.969 | 5.00 | 40.00 | 50.00 | GM040 |
| GM045 | 0.197 | 1.772 | 2.166 | 5.00 | 45.00 | 55.00 | GM045 |
| GM050 | 0.197 | 1.969 | 2.363 | 5.00 | 50.00 | 60.00 | GM050 |
| GM055 | 0.197 | 2.165 | 2.559 | 5.00 | 55.00 | 65.00 | GM055 |
| GM060 | 0.197 | 2.362 | 2.756 | 5.00 | 60.00 | 70.00 | GM060 |
| GM065 | 0.197 | 2.559 | 2.953 | 5.00 | 65.00 | 75.00 | GM065 |



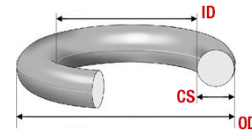
| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| GM070 | 0.197 | 2.756 | 3.150 | 5.00 | 70.00 | 80.00 | GM070 |
| GM075 | 0.197 | 2.953 | 3.347 | 5.00 | 75.00 | 85.00 | GM075 |
| GM080 | 0.197 | 3.150 | 3.544 | 5.00 | 80.00 | 90.00 | GM080 |
| GM085 | 0.197 | 3.346 | 3.740 | 5.00 | 85.00 | 95.00 | GM085 |
| GM090 | 0.197 | 3.543 | 3.937 | 5.00 | 90.00 | 100.00 | GM090 |
| GM095 | 0.197 | 3.740 | 4.134 | 5.00 | 95.00 | 105.00 | GM095 |
| GM100 | 0.197 | 3.937 | 4.331 | 5.00 | 100.00 | 110.00 | GM100 |
| GM105 | 0.197 | 4.134 | 4.528 | 5.00 | 105.00 | 115.00 | GM105 |
| GM110 | 0.197 | 4.331 | 4.725 | 5.00 | 110.00 | 120.00 | GM110 |
| GM115 | 0.197 | 4.528 | 4.922 | 5.00 | 115.00 | 125.00 | GM115 |
| GM120 | 0.197 | 4.724 | 5.118 | 5.00 | 120.00 | 130.00 | GM120 |
| GM125 | 0.197 | 4.921 | 5.315 | 5.00 | 125.00 | 135.00 | GM125 |
| GM130 | 0.197 | 5.118 | 5.512 | 5.00 | 130.00 | 140.00 | GM130 |
| GM135 | 0.197 | 5.315 | 5.709 | 5.00 | 135.00 | 145.00 | GM135 |
| GM140 | 0.197 | 5.512 | 5.906 | 5.00 | 140.00 | 150.00 | GM140 |
| GM145 | 0.197 | 5.709 | 6.103 | 5.00 | 145.00 | 155.00 | GM145 |
| GM150 | 0.197 | 5.906 | 6.300 | 5.00 | 150.00 | 160.00 | GM150 |
| GM155 | 0.197 | 6.102 | 6.496 | 5.00 | 155.00 | 165.00 | GM155 |
| GM160 | 0.197 | 6.299 | 6.693 | 5.00 | 160.00 | 170.00 | GM160 |
| GM165 | 0.197 | 6.496 | 6.890 | 5.00 | 165.00 | 175.00 | GM165 |
| GM170 | 0.197 | 6.693 | 7.087 | 5.00 | 170.00 | 180.00 | GM170 |
| GM175 | 0.197 | 6.890 | 7.284 | 5.00 | 175.00 | 185.00 | GM175 |
| GM180 | 0.197 | 7.087 | 7.481 | 5.00 | 180.00 | 190.00 | GM180 |
| GM185 | 0.197 | 7.283 | 7.677 | 5.00 | 185.00 | 195.00 | GM185 |
| GM190 | 0.197 | 7.480 | 7.874 | 5.00 | 190.00 | 200.00 | GM190 |
| GM195 | 0.197 | 7.677 | 8.071 | 5.00 | 195.00 | 205.00 | GM195 |
| GM200 | 0.197 | 7.874 | 8.268 | 5.00 | 200.00 | 210.00 | GM200 |
| GM205 | 0.197 | 8.071 | 8.465 | 5.00 | 205.00 | 215.00 | GM205 |
| GM210 | 0.197 | 8.268 | 8.662 | 5.00 | 210.00 | 220.00 | GM210 |
| GM215 | 0.197 | 8.465 | 8.859 | 5.00 | 215.00 | 225.00 | GM215 |
| GM220 | 0.197 | 8.661 | 9.055 | 5.00 | 220.00 | 230.00 | GM220 |
| GM225 | 0.197 | 8.858 | 9.252 | 5.00 | 225.00 | 235.00 | GM225 |
| GM230 | 0.197 | 9.055 | 9.449 | 5.00 | 230.00 | 240.00 | GM230 |
| GM235 | 0.197 | 9.252 | 9.646 | 5.00 | 235.00 | 245.00 | GM235 |
| GM240 | 0.197 | 9.449 | 9.843 | 5.00 | 240.00 | 250.00 | GM240 |
| GM245 | 0.197 | 9.646 | 10.040 | 5.00 | 245.00 | 255.00 | GM245 |
| GM250 | 0.197 | 9.843 | 10.237 | 5.00 | 250.00 | 260.00 | GM250 |
| GM255 | 0.197 | 10.039 | 10.433 | 5.00 | 255.00 | 265.00 | GM255 |
| GM260 | 0.197 | 10.236 | 10.630 | 5.00 | 260.00 | 270.00 | GM260 |
| GM265 | 0.197 | 10.433 | 10.827 | 5.00 | 265.00 | 275.00 | GM265 |



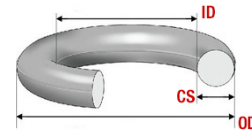
| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| GM270 | 0.197 | 10.630 | 11.024 | 5.00 | 270.00 | 280.00 | GM270 |
| GM275 | 0.197 | 10.827 | 11.221 | 5.00 | 275.00 | 285.00 | GM275 |
| GM280 | 0.197 | 11.024 | 11.418 | 5.00 | 280.00 | 290.00 | GM280 |
| GM285 | 0.197 | 11.220 | 11.614 | 5.00 | 285.00 | 295.00 | GM285 |
| GM290 | 0.197 | 11.417 | 11.811 | 5.00 | 290.00 | 300.00 | GM290 |
| GM295 | 0.197 | 11.614 | 12.008 | 5.00 | 295.00 | 305.00 | GM295 |
| GM300 | 0.197 | 11.811 | 12.205 | 5.00 | 300.00 | 310.00 | GM300 |
| GS150 | 1.220 | 5.878 | 6.122 | 3.10 | 149.30 | 155.50 | GS150 |
| GS155 | 1.220 | 6.075 | 6.319 | 3.10 | 154.30 | 160.50 | GS155 |
| GS160 | 1.220 | 6.272 | 6.516 | 3.10 | 159.30 | 165.50 | GS160 |
| GS165 | 1.220 | 6.468 | 6.712 | 3.10 | 164.30 | 170.50 | GS165 |
| GS170 | 1.220 | 6.665 | 6.909 | 3.10 | 169.30 | 175.50 | GS170 |
| GS175 | 1.220 | 6.862 | 7.106 | 3.10 | 174.30 | 180.50 | GS175 |
| GS180 | 1.220 | 7.059 | 7.303 | 3.10 | 179.30 | 185.50 | GS180 |
| GS185 | 1.220 | 7.256 | 7.500 | 3.10 | 184.30 | 190.50 | GS185 |
| GS190 | 1.220 | 7.453 | 7.697 | 3.10 | 189.30 | 195.50 | GS190 |
| GS195 | 1.220 | 7.650 | 7.894 | 3.10 | 194.30 | 200.50 | GS195 |
| GS200 | 1.220 | 7.846 | 8.090 | 3.10 | 199.30 | 205.50 | GS200 |
| GS205 | 1.220 | 8.043 | 8.287 | 3.10 | 204.30 | 210.50 | GS205 |
| GS210 | 1.220 | 8.240 | 8.484 | 3.10 | 209.30 | 215.50 | GS210 |
| GS215 | 1.220 | 8.437 | 8.681 | 3.10 | 214.30 | 220.50 | GS215 |
| GS220 | 1.220 | 8.634 | 8.878 | 3.10 | 219.30 | 225.50 | GS220 |
| GS225 | 1.220 | 8.831 | 9.075 | 3.10 | 224.30 | 230.50 | GS225 |
| GS230 | 1.220 | 9.028 | 9.272 | 3.10 | 229.30 | 235.50 | GS230 |
| GS235 | 1.220 | 9.224 | 9.468 | 3.10 | 234.30 | 240.50 | GS235 |
| GS240 | 1.220 | 9.421 | 9.665 | 3.10 | 239.30 | 245.50 | GS240 |
| GS245 | 1.220 | 9.618 | 9.862 | 3.10 | 244.30 | 250.50 | GS245 |
| GS250 | 1.220 | 9.815 | 10.059 | 3.10 | 249.30 | 255.50 | GS250 |
| GS255 | 1.220 | 10.012 | 10.256 | 3.10 | 254.30 | 260.50 | GS255 |
| GS260 | 1.220 | 10.209 | 10.453 | 3.10 | 259.30 | 265.50 | GS260 |
| GS265 | 1.220 | 10.405 | 10.649 | 3.10 | 264.30 | 270.50 | GS265 |
| GS270 | 1.220 | 10.602 | 10.846 | 3.10 | 269.30 | 275.50 | GS270 |
| GS275 | 1.220 | 10.799 | 11.043 | 3.10 | 274.30 | 280.50 | GS275 |
| GS280 | 1.220 | 10.996 | 11.240 | 3.10 | 279.30 | 285.50 | GS280 |
| GS285 | 1.220 | 11.193 | 11.437 | 3.10 | 284.30 | 290.50 | GS285 |
| GS290 | 1.220 | 11.390 | 11.634 | 3.10 | 289.30 | 295.50 | GS290 |
| GS295 | 1.220 | 11.587 | 11.831 | 3.10 | 294.30 | 300.50 | GS295 |
| GS300 | 1.220 | 11.783 | 12.027 | 3.10 | 299.30 | 305.50 | GS300 |
| GS305 | 1.220 | 11.980 | 12.224 | 3.10 | 304.30 | 310.50 | GS305 |
| GS310 | 1.220 | 12.177 | 12.421 | 3.10 | 309.30 | 315.50 | GS310 |



| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| GS315 | 1.220 | 12.374 | 12.618 | 3.10 | 314.30 | 320.50 | GS315 |
| GS320 | 1.220 | 12.571 | 12.815 | 3.10 | 319.30 | 325.50 | GS320 |
| GS325 | 1.220 | 12.768 | 13.012 | 3.10 | 324.30 | 330.50 | GS325 |
| GS330 | 1.220 | 12.965 | 13.209 | 3.10 | 329.30 | 335.50 | GS330 |
| GS335 | 1.220 | 13.161 | 13.405 | 3.10 | 334.30 | 340.50 | GS335 |
| GS340 | 1.220 | 13.358 | 13.602 | 3.10 | 339.30 | 345.50 | GS340 |
| GS345 | 1.220 | 13.555 | 13.799 | 3.10 | 344.30 | 350.50 | GS345 |
| GS350 | 1.220 | 13.752 | 13.996 | 3.10 | 349.30 | 355.50 | GS350 |
| GS355 | 1.220 | 13.949 | 14.193 | 3.10 | 354.30 | 360.50 | GS355 |
| GS360 | 1.220 | 14.146 | 14.390 | 3.10 | 359.30 | 365.50 | GS360 |
| GS365 | 1.220 | 14.342 | 14.586 | 3.10 | 364.30 | 370.50 | GS365 |
| GS370 | 1.220 | 14.539 | 14.783 | 3.10 | 369.30 | 375.50 | GS370 |
| GS375 | 1.220 | 14.736 | 14.980 | 3.10 | 374.30 | 380.50 | GS375 |
| GS380 | 1.220 | 14.933 | 15.177 | 3.10 | 379.30 | 385.50 | GS380 |
| GS385 | 1.220 | 15.130 | 15.374 | 3.10 | 384.30 | 390.50 | GS385 |
| GS390 | 1.220 | 15.327 | 15.571 | 3.10 | 389.30 | 395.50 | GS390 |
| GS395 | 1.220 | 15.524 | 15.768 | 3.10 | 394.30 | 400.50 | GS395 |
| GS400 | 1.220 | 15.720 | 15.964 | 3.10 | 399.30 | 405.50 | GS400 |
| P3 | 0.075 | 0.110 | 0.260 | 1.90 | 2.80 | 6.60 | P3 |
| P4 | 0.075 | 0.150 | 0.300 | 1.90 | 3.80 | 7.60 | P4 |
| P5 | 0.075 | 0.189 | 0.339 | 1.90 | 4.80 | 8.60 | P5 |
| P6 | 0.075 | 0.228 | 0.378 | 1.90 | 5.80 | 9.60 | P6 |
| P7 | 0.075 | 0.268 | 0.418 | 1.90 | 6.80 | 10.60 | P7 |
| P8 | 0.075 | 0.307 | 0.457 | 1.90 | 7.80 | 11.60 | P8 |
| P9 | 0.075 | 0.346 | 0.496 | 1.90 | 8.80 | 12.60 | P9 |
| P10 | 0.075 | 0.386 | 0.536 | 1.90 | 9.80 | 13.60 | P10 |
| P10A | 0.094 | 0.386 | 0.574 | 2.40 | 9.80 | 14.60 | P10A |
| P11 | 0.094 | 0.425 | 0.613 | 2.40 | 10.80 | 15.60 | P11 |
| P11.2 | 0.094 | 0.433 | 0.621 | 2.40 | 11.00 | 15.80 | P11.2 |
| P12 | 0.094 | 0.465 | 0.653 | 2.40 | 11.80 | 16.60 | P12 |
| P12.5 | 0.094 | 0.484 | 0.672 | 2.40 | 12.30 | 17.10 | P12.5 |
| P14 | 0.094 | 0.543 | 0.731 | 2.40 | 13.80 | 18.60 | P14 |
| P15 | 0.094 | 0.583 | 0.771 | 2.40 | 14.80 | 19.60 | P15 |
| P16 | 0.094 | 0.622 | 0.810 | 2.40 | 15.80 | 20.60 | P16 |
| P18 | 0.094 | 0.701 | 0.889 | 2.40 | 17.80 | 22.60 | P18 |
| P20 | 0.094 | 0.780 | 0.968 | 2.40 | 19.80 | 24.60 | P20 |
| P21 | 0.094 | 0.819 | 1.007 | 2.40 | 20.80 | 25.60 | P21 |
| P22 | 0.094 | 0.858 | 1.046 | 2.40 | 21.80 | 26.60 | P22 |
| P22.4 | 0.138 | 0.870 | 1.146 | 3.50 | 22.10 | 29.10 | P22.4 |
| P22A | 0.138 | 0.854 | 1.130 | 3.50 | 21.70 | 28.70 | P22A |



| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| P24 | 0.138 | 0.933 | 1.209 | 3.50 | 23.70 | 30.70 | P24 |
| P25 | 0.138 | 0.972 | 1.248 | 3.50 | 24.70 | 31.70 | P25 |
| P25.5 | 0.138 | 0.992 | 1.268 | 3.50 | 25.20 | 32.20 | P25.5 |
| P26 | 0.138 | 1.012 | 1.288 | 3.50 | 25.70 | 32.70 | P26 |
| P28 | 0.138 | 1.091 | 1.367 | 3.50 | 27.70 | 34.70 | P28 |
| P29 | 0.138 | 1.130 | 1.406 | 3.50 | 28.70 | 35.70 | P29 |
| P29.5 | 0.138 | 1.150 | 1.426 | 3.50 | 29.20 | 36.20 | P29.5 |
| P30 | 0.138 | 1.169 | 1.445 | 3.50 | 29.70 | 36.70 | P30 |
| P31 | 0.138 | 1.209 | 1.485 | 3.50 | 30.70 | 37.70 | P31 |
| P31.5 | 0.138 | 1.228 | 1.504 | 3.50 | 31.20 | 38.20 | P31.5 |
| P32 | 0.138 | 1.248 | 1.524 | 3.50 | 31.70 | 38.70 | P32 |
| P34 | 0.138 | 1.327 | 1.603 | 3.50 | 33.70 | 40.70 | P34 |
| P35 | 0.138 | 1.366 | 1.642 | 3.50 | 34.70 | 41.70 | P35 |
| P35.5 | 0.138 | 1.386 | 1.662 | 3.50 | 35.20 | 42.20 | P35.5 |
| P36 | 0.138 | 1.406 | 1.682 | 3.50 | 35.70 | 42.70 | P36 |
| P38 | 0.138 | 1.484 | 1.760 | 3.50 | 37.70 | 44.70 | P38 |
| P39 | 0.138 | 1.524 | 1.800 | 3.50 | 38.70 | 45.70 | P39 |
| P40 | 0.138 | 1.563 | 1.839 | 3.50 | 39.70 | 46.70 | P40 |
| P41 | 0.138 | 1.602 | 1.878 | 3.50 | 40.70 | 47.70 | P41 |
| P42 | 0.138 | 1.642 | 1.918 | 3.50 | 41.70 | 48.70 | P42 |
| P44 | 0.138 | 1.720 | 1.996 | 3.50 | 43.70 | 50.70 | P44 |
| P45 | 0.138 | 1.760 | 2.036 | 3.50 | 44.70 | 51.70 | P45 |
| P46 | 0.138 | 1.799 | 2.075 | 3.50 | 45.70 | 52.70 | P46 |
| P48 | 0.138 | 1.878 | 2.154 | 3.50 | 47.70 | 54.70 | P48 |
| P48A | 0.224 | 1.874 | 2.322 | 5.70 | 47.60 | 59.00 | P48A |
| P49 | 0.138 | 1.917 | 2.193 | 3.50 | 48.70 | 55.70 | P49 |
| P50 | 0.138 | 1.957 | 2.233 | 3.50 | 49.70 | 56.70 | P50 |
| P50A | 0.224 | 1.953 | 2.401 | 5.70 | 49.60 | 61.00 | P50A |
| P52 | 0.224 | 2.031 | 2.479 | 5.70 | 51.60 | 63.00 | P52 |
| P53 | 0.224 | 2.071 | 2.519 | 5.70 | 52.60 | 64.00 | P53 |
| P55 | 0.224 | 2.150 | 2.598 | 5.70 | 54.60 | 66.00 | P55 |
| P56 | 0.224 | 2.189 | 2.637 | 5.70 | 55.60 | 67.00 | P56 |
| P58 | 0.224 | 2.268 | 2.716 | 5.70 | 57.60 | 69.00 | P58 |
| P60 | 0.224 | 2.346 | 2.794 | 5.70 | 59.60 | 71.00 | P60 |
| P62 | 0.224 | 2.425 | 2.873 | 5.70 | 61.60 | 73.00 | P62 |
| P63 | 0.224 | 2.465 | 2.913 | 5.70 | 62.60 | 74.00 | P63 |
| P65 | 0.224 | 2.543 | 2.991 | 5.70 | 64.60 | 76.00 | P65 |
| P67 | 0.224 | 2.622 | 3.070 | 5.70 | 66.60 | 78.00 | P67 |
| P70 | 0.224 | 2.740 | 3.188 | 5.70 | 69.60 | 81.00 | P70 |
| P71 | 0.224 | 2.780 | 3.228 | 5.70 | 70.60 | 82.00 | P71 |



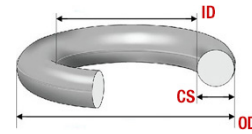
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|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| P75 | 0.224 | 2.937 | 3.385 | 5.70 | 74.60 | 86.00 | P75 |
| P80 | 0.224 | 3.134 | 3.582 | 5.70 | 79.60 | 91.00 | P80 |
| P85 | 0.224 | 3.331 | 3.779 | 5.70 | 84.60 | 96.00 | P85 |
| P90 | 0.224 | 3.528 | 3.976 | 5.70 | 89.60 | 101.00 | P90 |
| P95 | 0.224 | 3.724 | 4.172 | 5.70 | 94.60 | 106.00 | P95 |
| P100 | 0.224 | 3.921 | 4.369 | 5.70 | 99.60 | 111.00 | P100 |
| P102 | 0.224 | 4.000 | 4.448 | 5.70 | 101.60 | 113.00 | P102 |
| P105 | 0.224 | 4.118 | 4.566 | 5.70 | 104.60 | 116.00 | P105 |
| P110 | 0.224 | 4.315 | 4.763 | 5.70 | 109.60 | 121.00 | P110 |
| P112 | 0.224 | 4.394 | 4.842 | 5.70 | 111.60 | 123.00 | P112 |
| P115 | 0.224 | 4.512 | 4.960 | 5.70 | 114.60 | 126.00 | P115 |
| P120 | 0.224 | 4.709 | 5.157 | 5.70 | 119.60 | 131.00 | P120 |
| P125 | 0.224 | 4.906 | 5.354 | 5.70 | 124.60 | 136.00 | P125 |
| P130 | 0.224 | 5.102 | 5.550 | 5.70 | 129.60 | 141.00 | P130 |
| P132 | 0.224 | 5.181 | 5.629 | 5.70 | 131.60 | 143.00 | P132 |
| P135 | 0.224 | 5.299 | 5.747 | 5.70 | 134.60 | 146.00 | P135 |
| P140 | 0.224 | 5.496 | 5.944 | 5.70 | 139.60 | 151.00 | P140 |
| P145 | 0.224 | 5.693 | 6.141 | 5.70 | 144.60 | 156.00 | P145 |
| P150 | 0.224 | 5.890 | 6.338 | 5.70 | 149.60 | 161.00 | P150 |
| P150A | 0.331 | 5.886 | 6.548 | 8.40 | 149.50 | 166.30 | P150A |
| P155 | 0.331 | 6.083 | 6.745 | 8.40 | 154.50 | 171.30 | P155 |
| P160 | 0.331 | 6.280 | 6.942 | 8.40 | 159.50 | 176.30 | P160 |
| P165 | 0.331 | 6.476 | 7.138 | 8.40 | 164.50 | 181.30 | P165 |
| P170 | 0.331 | 6.673 | 7.335 | 8.40 | 169.50 | 186.30 | P170 |
| P175 | 0.331 | 6.870 | 7.532 | 8.40 | 174.50 | 191.30 | P175 |
| P180 | 0.331 | 7.067 | 7.729 | 8.40 | 179.50 | 196.30 | P180 |
| P185 | 0.331 | 7.264 | 7.926 | 8.40 | 184.50 | 201.30 | P185 |
| P190 | 0.331 | 7.461 | 8.123 | 8.40 | 189.50 | 206.30 | P190 |
| P195 | 0.331 | 7.657 | 8.319 | 8.40 | 194.50 | 211.30 | P195 |
| P200 | 0.331 | 7.854 | 8.516 | 8.40 | 199.50 | 216.30 | P200 |
| P205 | 0.331 | 8.051 | 8.713 | 8.40 | 204.50 | 221.30 | P205 |
| P209 | 0.331 | 8.209 | 8.871 | 8.40 | 208.50 | 225.30 | P209 |
| P210 | 0.331 | 8.248 | 8.910 | 8.40 | 209.50 | 226.30 | P210 |
| P215 | 0.331 | 8.445 | 9.107 | 8.40 | 214.50 | 231.30 | P215 |
| P220 | 0.331 | 8.642 | 9.304 | 8.40 | 219.50 | 236.30 | P220 |
| P225 | 0.331 | 8.839 | 9.501 | 8.40 | 224.50 | 241.30 | P225 |
| P230 | 0.331 | 9.035 | 9.697 | 8.40 | 229.50 | 246.30 | P230 |
| P235 | 0.331 | 9.232 | 9.894 | 8.40 | 234.50 | 251.30 | P235 |
| P240 | 0.331 | 9.429 | 10.091 | 8.40 | 239.50 | 256.30 | P240 |
| P245 | 0.331 | 9.626 | 10.288 | 8.40 | 244.50 | 261.30 | P245 |



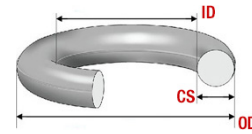
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|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| P250 | 0.331 | 9.823 | 10.485 | 8.40 | 249.50 | 266.30 | P250 |
| P255 | 0.331 | 10.020 | 10.682 | 8.40 | 254.50 | 271.30 | P255 |
| P260 | 0.331 | 10.217 | 10.879 | 8.40 | 259.50 | 276.30 | P260 |
| P265 | 0.331 | 10.413 | 11.075 | 8.40 | 264.50 | 281.30 | P265 |
| P270 | 0.331 | 10.610 | 11.272 | 8.40 | 269.50 | 286.30 | P270 |
| P275 | 0.331 | 10.807 | 11.469 | 8.40 | 274.50 | 291.30 | P275 |
| P280 | 0.331 | 11.004 | 11.666 | 8.40 | 279.50 | 296.30 | P280 |
| P285 | 0.331 | 11.201 | 11.863 | 8.40 | 284.50 | 301.30 | P285 |
| P290 | 0.331 | 11.398 | 12.060 | 8.40 | 289.50 | 306.30 | P290 |
| P295 | 0.331 | 11.594 | 12.256 | 8.40 | 294.50 | 311.30 | P295 |
| P300 | 0.331 | 11.791 | 11.791 | 8.40 | 299.50 | 316.30 | P300 |
| P305 | 0.331 | 11.988 | 11.988 | 8.40 | 304.50 | 321.30 | P305 |
| P310 | 0.331 | 12.185 | 12.185 | 8.40 | 309.50 | 326.30 | P310 |
| P315 | 0.331 | 12.382 | 12.382 | 8.40 | 314.50 | 331.30 | P315 |
| P320 | 0.331 | 12.579 | 12.579 | 8.40 | 319.50 | 336.30 | P320 |
| P325 | 0.331 | 12.776 | 12.776 | 8.40 | 324.50 | 341.30 | P325 |
| P330 | 0.331 | 12.972 | 12.972 | 8.40 | 329.50 | 346.30 | P330 |
| P335 | 0.331 | 13.169 | 13.169 | 8.40 | 334.50 | 351.30 | P335 |
| P340 | 0.331 | 13.366 | 13.366 | 8.40 | 339.50 | 356.30 | P340 |
| P345 | 0.331 | 13.563 | 13.563 | 8.40 | 344.50 | 361.30 | P345 |
| P350 | 0.331 | 13.760 | 13.760 | 8.40 | 349.50 | 366.30 | P350 |
| P355 | 0.331 | 13.957 | 13.957 | 8.40 | 354.50 | 371.30 | P355 |
| P360 | 0.331 | 14.154 | 14.154 | 8.40 | 359.50 | 376.30 | P360 |
| P365 | 0.331 | 14.350 | 14.350 | 8.40 | 364.50 | 381.30 | P365 |
| P370 | 0.331 | 14.547 | 14.547 | 8.40 | 369.50 | 386.30 | P370 |
| P375 | 0.331 | 14.744 | 14.744 | 8.40 | 374.50 | 391.30 | P375 |
| P380 | 0.331 | 14.941 | 14.941 | 8.40 | 379.50 | 396.30 | P380 |
| P385 | 0.331 | 15.138 | 15.138 | 8.40 | 384.50 | 401.30 | P385 |
| P390 | 0.331 | 15.335 | 15.335 | 8.40 | 389.50 | 406.30 | P390 |
| P395 | 0.331 | 15.531 | 15.531 | 8.40 | 394.50 | 411.30 | P395 |
| P400 | 0.331 | 15.728 | 15.728 | 8.40 | 399.50 | 416.30 | P400 |
| P405 | 0.331 | 15.925 | 15.925 | 8.40 | 404.50 | 421.30 | P405 |
| P410 | 0.331 | 16.122 | 16.122 | 8.40 | 409.50 | 426.30 | P410 |
| P415 | 0.331 | 16.319 | 16.319 | 8.40 | 414.50 | 431.30 | P415 |
| P420 | 0.331 | 16.516 | 16.516 | 8.40 | 419.50 | 436.30 | P420 |
| P425 | 0.331 | 16.713 | 16.713 | 8.40 | 424.50 | 441.30 | P425 |
| P430 | 0.331 | 16.909 | 16.909 | 8.40 | 429.50 | 446.30 | P430 |
| P435 | 0.331 | 17.106 | 17.106 | 8.40 | 434.50 | 451.30 | P435 |
| P440 | 0.331 | 17.303 | 17.303 | 8.40 | 439.50 | 456.30 | P440 |
| P445 | 0.331 | 17.500 | 17.500 | 8.40 | 444.50 | 461.30 | P445 |



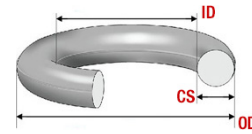
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|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| P450 | 0.331 | 17.697 | 17.697 | 8.40 | 449.50 | 466.30 | P450 |
| P455 | 0.331 | 17.894 | 17.894 | 8.40 | 454.50 | 471.30 | P455 |
| P460 | 0.331 | 18.091 | 18.091 | 8.40 | 459.50 | 476.30 | P460 |
| P465 | 0.331 | 18.287 | 18.287 | 8.40 | 464.50 | 481.30 | P465 |
| P470 | 0.331 | 18.484 | 18.484 | 8.40 | 469.50 | 486.30 | P470 |
| P475 | 0.331 | 18.681 | 18.681 | 8.40 | 474.50 | 491.30 | P475 |
| P480 | 0.331 | 18.878 | 18.878 | 8.40 | 479.50 | 496.30 | P480 |
| P485 | 0.331 | 19.075 | 19.075 | 8.40 | 484.50 | 501.30 | P485 |
| P490 | 0.331 | 19.272 | 19.272 | 8.40 | 489.50 | 506.30 | P490 |
| P495 | 0.331 | 19.468 | 19.468 | 8.40 | 494.50 | 511.30 | P495 |
| P500 | 0.331 | 19.665 | 19.665 | 8.40 | 499.50 | 516.30 | P500 |
| P590 | 0.331 | 23.209 | 23.209 | 8.40 | 589.50 | 606.30 | P590 |
| P600 | 0.331 | 23.602 | 23.602 | 8.40 | 599.50 | 616.30 | P600 |
| P610 | 0.331 | 23.996 | 23.996 | 8.40 | 609.50 | 626.30 | P610 |
| P620 | 0.331 | 24.390 | 24.390 | 8.40 | 619.50 | 636.30 | P620 |
| P625 | 0.331 | 24.587 | 24.587 | 8.40 | 624.50 | 641.30 | P625 |
| P635 | 0.331 | 24.980 | 24.980 | 8.40 | 634.50 | 651.30 | P635 |
| P650 | 0.331 | 25.571 | 25.571 | 8.40 | 649.50 | 666.30 | P650 |
| P680 | 0.331 | 26.752 | 26.752 | 8.40 | 679.50 | 696.30 | P680 |
| P690 | 0.331 | 27.146 | 27.146 | 8.40 | 689.50 | 706.30 | P690 |
| P700 | 0.331 | 27.539 | 27.539 | 8.40 | 699.50 | 716.30 | P700 |
| P710 | 0.331 | 27.933 | 27.933 | 8.40 | 709.50 | 726.30 | P710 |
| P720 | 0.331 | 28.327 | 28.327 | 8.40 | 719.50 | 736.30 | P720 |
| P730 | 0.331 | 28.720 | 28.720 | 8.40 | 729.50 | 746.30 | P730 |
| P740 | 0.331 | 29.114 | 29.114 | 8.40 | 739.50 | 756.30 | P740 |
| P750 | 0.331 | 29.508 | 29.508 | 8.40 | 749.50 | 766.30 | P750 |
| P760 | 0.331 | 29.902 | 29.902 | 8.40 | 759.50 | 776.30 | P760 |
| P770 | 0.331 | 30.295 | 30.295 | 8.40 | 769.50 | 786.30 | P770 |
| P780 | 0.331 | 30.689 | 30.689 | 8.40 | 779.50 | 796.30 | P780 |
| P790 | 0.331 | 31.083 | 31.083 | 8.40 | 789.50 | 806.30 | P790 |
| P800 | 0.331 | 31.476 | 31.476 | 8.40 | 799.50 | 816.30 | P800 |
| P810 | 0.331 | 31.870 | 31.870 | 8.40 | 809.50 | 826.30 | P810 |
| P820 | 0.331 | 32.264 | 32.264 | 8.40 | 819.50 | 836.30 | P820 |
| P830 | 0.331 | 32.657 | 32.657 | 8.40 | 829.50 | 846.30 | P830 |
| P840 | 0.331 | 33.051 | 33.051 | 8.40 | 839.50 | 856.30 | P840 |
| P850 | 0.331 | 33.445 | 33.445 | 8.40 | 849.50 | 866.30 | P850 |
| P860 | 0.331 | 33.839 | 33.839 | 8.40 | 859.50 | 876.30 | P860 |
| P870 | 0.331 | 34.232 | 34.232 | 8.40 | 869.50 | 886.30 | P870 |
| P880 | 0.331 | 34.626 | 34.626 | 8.40 | 879.50 | 896.30 | P880 |
| P890 | 0.331 | 35.020 | 35.020 | 8.40 | 889.50 | 906.30 | P890 |



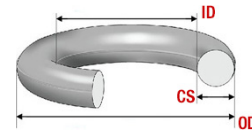
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|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| P900 | 0.331 | 35.413 | 35.413 | 8.40 | 899.50 | 916.30 | P900 |
| P910 | 0.331 | 35.807 | 35.807 | 8.40 | 909.50 | 926.30 | P910 |
| P915 | 0.331 | 36.004 | 36.004 | 8.40 | 914.50 | 931.30 | P915 |
| P920 | 0.331 | 36.201 | 36.201 | 8.40 | 919.50 | 936.30 | P920 |
| P930 | 0.331 | 36.594 | 36.594 | 8.40 | 929.50 | 946.30 | P930 |
| P940 | 0.331 | 36.988 | 36.988 | 8.40 | 939.50 | 956.30 | P940 |
| P950 | 0.331 | 37.382 | 37.382 | 8.40 | 949.50 | 966.30 | P950 |
| P960 | 0.331 | 37.776 | 37.776 | 8.40 | 959.50 | 976.30 | P960 |
| P970 | 0.331 | 38.169 | 38.169 | 8.40 | 969.50 | 986.30 | P970 |
| P980 | 0.331 | 38.563 | 38.563 | 8.40 | 979.50 | 996.30 | P980 |
| P990 | 0.331 | 38.957 | 38.957 | 8.40 | 989.50 | 1006.30 | P990 |
| P1000 | 0.331 | 39.350 | 39.350 | 8.40 | 999.50 | 1016.30 | P1000 |
| S3 | 0.059 | 0.098 | 0.216 | 1.50 | 2.50 | 5.50 | S3 |
| S4 | 0.059 | 0.138 | 0.256 | 1.50 | 3.50 | 6.50 | S4 |
| S5 | 0.059 | 0.177 | 0.295 | 1.50 | 4.50 | 7.50 | S5 |
| S6 | 0.059 | 0.217 | 0.335 | 1.50 | 5.50 | 8.50 | S6 |
| S7 | 0.059 | 0.256 | 0.374 | 1.50 | 6.50 | 9.50 | S7 |
| S8 | 0.059 | 0.295 | 0.413 | 1.50 | 7.50 | 10.50 | S8 |
| S9 | 0.059 | 0.335 | 0.453 | 1.50 | 8.50 | 11.50 | S9 |
| S10 | 0.059 | 0.374 | 0.492 | 1.50 | 9.50 | 12.50 | S10 |
| S11.2 | 0.059 | 0.421 | 0.539 | 1.50 | 10.70 | 13.70 | S11.2 |
| S12 | 0.059 | 0.453 | 0.571 | 1.50 | 11.50 | 14.50 | S12 |
| S12.5 | 0.059 | 0.472 | 0.590 | 1.50 | 12.00 | 15.00 | S12.5 |
| S14 | 0.059 | 0.531 | 0.649 | 1.50 | 13.50 | 16.50 | S14 |
| S15 | 0.059 | 0.571 | 0.689 | 1.50 | 14.50 | 17.50 | S15 |
| S16 | 0.059 | 0.610 | 0.728 | 1.50 | 15.50 | 18.50 | S16 |
| S18 | 0.059 | 0.689 | 0.807 | 1.50 | 17.50 | 20.50 | S18 |
| S20 | 0.059 | 0.768 | 0.886 | 1.50 | 19.50 | 22.50 | S20 |
| S22 | 0.059 | 0.846 | 0.964 | 1.50 | 21.50 | 24.50 | S22 |
| S22.4 | 0.079 | 0.862 | 1.020 | 2.00 | 21.90 | 25.90 | S22.4 |
| S24 | 0.079 | 0.925 | 1.083 | 2.00 | 23.50 | 27.50 | S24 |
| S25 | 0.079 | 0.965 | 1.123 | 2.00 | 24.50 | 28.50 | S25 |
| S26 | 0.079 | 1.004 | 1.162 | 2.00 | 25.50 | 29.50 | S26 |
| S28 | 0.079 | 1.083 | 1.241 | 2.00 | 27.50 | 31.50 | S28 |
| S29 | 0.079 | 1.122 | 1.280 | 2.00 | 28.50 | 32.50 | S29 |
| S30 | 0.079 | 1.161 | 1.319 | 2.00 | 29.50 | 33.50 | S30 |
| S31.5 | 0.079 | 1.220 | 1.378 | 2.00 | 31.00 | 35.00 | S31.5 |
| S32 | 0.079 | 1.240 | 1.398 | 2.00 | 31.50 | 35.50 | S32 |
| S34 | 0.079 | 1.319 | 1.477 | 2.00 | 33.50 | 37.50 | S34 |
| S35 | 0.079 | 1.358 | 1.516 | 2.00 | 34.50 | 38.50 | S35 |



| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| S35.5 | 0.079 | 1.378 | 1.536 | 2.00 | 35.00 | 39.00 | S35.5 |
| S36 | 0.079 | 1.398 | 1.556 | 2.00 | 35.50 | 39.50 | S36 |
| S38 | 0.079 | 1.476 | 1.634 | 2.00 | 37.50 | 41.50 | S38 |
| S39 | 0.079 | 1.516 | 1.674 | 2.00 | 38.50 | 42.50 | S39 |
| S40 | 0.079 | 1.555 | 1.713 | 2.00 | 39.50 | 43.50 | S40 |
| S42 | 0.079 | 1.634 | 1.792 | 2.00 | 41.50 | 45.50 | S42 |
| S44 | 0.079 | 1.713 | 1.871 | 2.00 | 43.50 | 47.50 | S44 |
| S45 | 0.079 | 1.752 | 1.910 | 2.00 | 44.50 | 48.50 | S45 |
| S46 | 0.079 | 1.791 | 1.949 | 2.00 | 45.50 | 49.50 | S46 |
| S48 | 0.079 | 1.870 | 2.028 | 2.00 | 47.50 | 51.50 | S48 |
| S50 | 0.079 | 1.949 | 2.107 | 2.00 | 49.50 | 53.50 | S50 |
| S53 | 0.079 | 2.067 | 2.225 | 2.00 | 52.50 | 56.50 | S53 |
| S55 | 0.079 | 2.146 | 2.304 | 2.00 | 54.50 | 58.50 | S55 |
| S56 | 0.079 | 2.185 | 2.343 | 2.00 | 55.50 | 59.50 | S56 |
| S60 | 0.079 | 2.343 | 2.501 | 2.00 | 59.50 | 63.50 | S60 |
| S63 | 0.079 | 2.461 | 2.619 | 2.00 | 62.50 | 66.50 | S63 |
| S65 | 0.079 | 2.539 | 2.697 | 2.00 | 64.50 | 68.50 | S65 |
| S67 | 0.079 | 2.618 | 2.776 | 2.00 | 66.50 | 70.50 | S67 |
| S70 | 0.079 | 2.736 | 2.894 | 2.00 | 69.50 | 73.50 | S70 |
| S71 | 0.079 | 2.776 | 2.934 | 2.00 | 70.50 | 74.50 | S71 |
| S75 | 0.079 | 2.933 | 3.091 | 2.00 | 74.50 | 78.50 | S75 |
| S80 | 0.079 | 3.130 | 3.288 | 2.00 | 79.50 | 83.50 | S80 |
| S85 | 0.079 | 3.327 | 3.485 | 2.00 | 84.50 | 88.50 | S85 |
| S90 | 0.079 | 3.524 | 3.682 | 2.00 | 89.50 | 93.50 | S90 |
| S95 | 0.079 | 3.720 | 3.878 | 2.00 | 94.50 | 98.50 | S95 |
| S100 | 0.079 | 3.917 | 4.075 | 2.00 | 99.50 | 103.50 | S100 |
| S105 | 0.079 | 4.114 | 4.272 | 2.00 | 104.50 | 108.50 | S105 |
| S110 | 0.079 | 4.311 | 4.469 | 2.00 | 109.50 | 113.50 | S110 |
| S112 | 0.079 | 4.390 | 4.548 | 2.00 | 111.50 | 115.50 | S112 |
| S115 | 0.079 | 4.508 | 4.666 | 2.00 | 114.50 | 118.50 | S115 |
| S120 | 0.079 | 4.705 | 4.863 | 2.00 | 119.50 | 123.50 | S120 |
| S125 | 0.079 | 4.902 | 5.060 | 2.00 | 124.50 | 128.50 | S125 |
| S130 | 0.079 | 5.098 | 5.256 | 2.00 | 129.50 | 133.50 | S130 |
| S132 | 0.079 | 5.177 | 5.335 | 2.00 | 131.50 | 135.50 | S132 |
| S135 | 0.079 | 5.295 | 5.453 | 2.00 | 134.50 | 138.50 | S135 |
| S140 | 0.079 | 5.492 | 5.650 | 2.00 | 139.50 | 143.50 | S140 |
| S145 | 0.079 | 5.689 | 5.847 | 2.00 | 144.50 | 148.50 | S145 |
| S150 | 0.079 | 5.886 | 6.044 | 2.00 | 149.50 | 153.50 | S150 |
| SS005 | 0.039 | 0.020 | 0.098 | 1.00 | 0.50 | 2.50 | SS005 |
| SS008 | 0.039 | 0.031 | 0.110 | 1.00 | 0.80 | 2.80 | SS008 |



| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| SS010 | 0.039 | 0.039 | 0.118 | 1.00 | 1.00 | 3.00 | SS010 |
| SS012 | 0.039 | 0.047 | 0.126 | 1.00 | 1.20 | 3.20 | SS012 |
| SS015 | 0.039 | 0.059 | 0.138 | 1.00 | 1.50 | 3.50 | SS015 |
| SS020 | 0.039 | 0.079 | 0.157 | 1.00 | 2.00 | 4.00 | SS020 |
| SS022 | 0.039 | 0.087 | 0.165 | 1.00 | 2.20 | 4.20 | SS022 |
| SS025 | 0.039 | 0.098 | 0.177 | 1.00 | 2.50 | 4.50 | SS025 |
| SS028 | 0.039 | 0.110 | 0.189 | 1.00 | 2.80 | 4.80 | SS028 |
| SS030 | 0.039 | 0.118 | 0.197 | 1.00 | 3.00 | 5.00 | SS030 |
| SS032 | 0.039 | 0.126 | 0.205 | 1.00 | 3.20 | 5.20 | SS032 |
| SS035 | 0.039 | 0.138 | 0.217 | 1.00 | 3.50 | 5.50 | SS035 |
| SS038 | 0.039 | 0.150 | 0.228 | 1.00 | 3.80 | 5.80 | SS038 |
| SS040 | 0.039 | 0.157 | 0.236 | 1.00 | 4.00 | 6.00 | SS040 |
| SS042 | 0.039 | 0.165 | 0.244 | 1.00 | 4.20 | 6.20 | SS042 |
| SS045 | 0.039 | 0.177 | 0.256 | 1.00 | 4.50 | 6.50 | SS045 |
| SS048 | 0.039 | 0.189 | 0.268 | 1.00 | 4.80 | 6.80 | SS048 |
| SS050 | 0.039 | 0.197 | 0.276 | 1.00 | 5.00 | 7.00 | SS050 |
| SS055 | 0.039 | 0.217 | 0.295 | 1.00 | 5.50 | 7.50 | SS055 |
| SS060 | 0.039 | 0.236 | 0.315 | 1.00 | 6.00 | 8.00 | SS060 |
| SS065 | 0.039 | 0.256 | 0.335 | 1.00 | 6.50 | 8.50 | SS065 |
| SS070 | 0.039 | 0.276 | 0.354 | 1.00 | 7.00 | 9.00 | SS070 |
| SS075 | 0.039 | 0.295 | 0.374 | 1.00 | 7.50 | 9.50 | SS075 |
| SS080 | 0.039 | 0.315 | 0.394 | 1.00 | 8.00 | 10.00 | SS080 |
| SS085 | 0.039 | 0.335 | 0.413 | 1.00 | 8.50 | 10.50 | SS085 |
| SS090 | 0.039 | 0.354 | 0.433 | 1.00 | 9.00 | 11.00 | SS090 |
| SS095 | 0.039 | 0.374 | 0.453 | 1.00 | 9.50 | 11.50 | SS095 |
| SS100 | 0.039 | 0.394 | 0.472 | 1.00 | 10.00 | 12.00 | SS100 |
| SS105 | 0.039 | 0.413 | 0.492 | 1.00 | 10.50 | 12.50 | SS105 |
| SS110 | 0.039 | 0.433 | 0.512 | 1.00 | 11.00 | 13.00 | SS110 |
| SS115 | 0.039 | 0.453 | 0.531 | 1.00 | 11.50 | 13.50 | SS115 |
| SS120 | 0.039 | 0.472 | 0.551 | 1.00 | 12.00 | 14.00 | SS120 |
| SS125 | 0.039 | 0.492 | 0.571 | 1.00 | 12.50 | 14.50 | SS125 |
| SS130 | 0.039 | 0.512 | 0.591 | 1.00 | 13.00 | 15.00 | SS130 |
| SS135 | 0.039 | 0.531 | 0.610 | 1.00 | 13.50 | 15.50 | SS135 |
| SS140 | 0.039 | 0.551 | 0.630 | 1.00 | 14.00 | 16.00 | SS140 |
| SS145 | 0.039 | 0.571 | 0.650 | 1.00 | 14.50 | 16.50 | SS145 |
| SS150 | 0.039 | 0.591 | 0.669 | 1.00 | 15.00 | 17.00 | SS150 |
| SS155 | 0.039 | 0.610 | 0.689 | 1.00 | 15.50 | 17.50 | SS155 |
| SS160 | 0.039 | 0.630 | 0.709 | 1.00 | 16.00 | 18.00 | SS160 |
| SS165 | 0.039 | 0.650 | 0.728 | 1.00 | 16.50 | 18.50 | SS165 |
| SS170 | 0.039 | 0.669 | 0.748 | 1.00 | 17.00 | 19.00 | SS170 |



| Size: JIS2401 | C.S. Inch | I.D. Inch | O.D. Inch | C.S. MM | I.D. MM | O.D. MM | Size: JIS2401 |
|---------------|-----------|-----------|-----------|---------|---------|---------|---------------|
| SS175 | 0.039 | 0.689 | 0.768 | 1.00 | 17.50 | 19.50 | SS175 |
| SS180 | 0.039 | 0.709 | 0.787 | 1.00 | 18.00 | 20.00 | SS180 |
| SS185 | 0.039 | 0.728 | 0.807 | 1.00 | 18.50 | 20.50 | SS185 |
| SS190 | 0.039 | 0.748 | 0.827 | 1.00 | 19.00 | 21.00 | SS190 |
| SS195 | 0.039 | 0.768 | 0.846 | 1.00 | 19.50 | 21.50 | SS195 |
| SS200 | 0.039 | 0.787 | 0.866 | 1.00 | 20.00 | 22.00 | SS200 |
| V15 | 0.157 | 0.571 | 0.885 | 4.00 | 14.50 | 22.50 | V15 |
| V24 | 0.157 | 0.925 | 1.239 | 4.00 | 23.50 | 31.50 | V24 |
| V34 | 0.157 | 1.319 | 1.633 | 4.00 | 33.50 | 41.50 | V34 |
| V40 | 0.157 | 1.555 | 1.869 | 4.00 | 39.50 | 47.50 | V40 |
| V55 | 0.157 | 2.146 | 2.460 | 4.00 | 54.50 | 62.50 | V55 |
| V70 | 0.157 | 2.717 | 3.031 | 4.00 | 69.00 | 77.00 | V70 |
| V85 | 0.157 | 3.307 | 3.621 | 4.00 | 84.00 | 92.00 | V85 |
| V100 | 0.157 | 3.898 | 4.212 | 4.00 | 99.00 | 107.00 | V100 |
| V1055 | 0.394 | 41.102 | 41.890 | 10.00 | 1044.00 | 1064.00 | V1055 |
| V120 | 0.157 | 4.685 | 4.999 | 4.00 | 119.00 | 127.00 | V120 |
| V150 | 0.157 | 5.846 | 6.160 | 4.00 | 148.50 | 156.50 | V150 |
| V175 | 0.157 | 6.811 | 7.125 | 4.00 | 173.00 | 181.00 | V175 |
| V225 | 0.236 | 8.760 | 9.232 | 6.00 | 222.50 | 234.50 | V225 |
| V275 | 0.236 | 10.709 | 11.181 | 6.00 | 272.00 | 284.00 | V275 |
| V325 | 0.236 | 12.657 | 13.129 | 6.00 | 321.50 | 333.50 | V325 |
| V380 | 0.236 | 14.803 | 15.275 | 6.00 | 376.00 | 388.00 | V380 |
| V430 | 0.236 | 16.752 | 17.224 | 6.00 | 425.50 | 437.50 | V430 |
| V480 | 0.394 | 18.701 | 19.489 | 10.00 | 475.00 | 495.00 | V480 |
| V530 | 0.394 | 20.650 | 21.438 | 10.00 | 524.50 | 544.50 | V530 |
| V585 | 0.394 | 22.795 | 23.583 | 10.00 | 579.00 | 599.00 | V585 |
| V640 | 0.394 | 24.941 | 25.729 | 10.00 | 633.50 | 653.50 | V640 |
| V690 | 0.394 | 26.890 | 27.678 | 10.00 | 683.00 | 703.00 | V690 |
| V740 | 0.394 | 28.839 | 29.627 | 10.00 | 732.50 | 752.50 | V740 |
| V790 | 0.394 | 30.787 | 31.575 | 10.00 | 782.00 | 802.00 | V790 |
| V845 | 0.394 | 32.933 | 33.721 | 10.00 | 836.50 | 856.50 | V845 |
| V950 | 0.394 | 37.028 | 37.816 | 10.00 | 940.50 | 960.50 | V950 |