

# Retaining Rings

## Spiral Retaining Rings



RSN-046 - RSN-1500

| Part Number | Cross Over | Application Diameter (A) | Groove Diameter (B) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| EXT 046RSN  | RSN-046    | 0.469                    | 0.443               | 0.029            | 0.013        | 0.439             | 0.025              | 0.045                |
| EXT 050RSN  | RSN-050    | 0.500                    | 0.468               | 0.039            | 0.016        | 0.464             | 0.035              | 0.050                |
| EXT 055RSN  | RSN-055    | 0.551                    | 0.519               | 0.039            | 0.016        | 0.514             | 0.035              | 0.050                |
| EXT 056RSN  | RSN-056    | 0.562                    | 0.530               | 0.039            | 0.016        | 0.525             | 0.035              | 0.050                |
| EXT 059RSN  | RSN-059    | 0.594                    | 0.559               | 0.039            | 0.018        | 0.554             | 0.035              | 0.050                |
| EXT 062RSN  | RSN-062    | 0.625                    | 0.588               | 0.039            | 0.019        | 0.583             | 0.035              | 0.055                |
| EXT 066RSN  | RSN-066    | 0.669                    | 0.629               | 0.039            | 0.020        | 0.623             | 0.035              | 0.055                |
| EXT 068RSN  | RSN-068    | 0.688                    | 0.646               | 0.046            | 0.021        | 0.641             | 0.042              | 0.065                |
| EXT 075RSN  | RSN-075    | 0.750                    | 0.704               | 0.046            | 0.023        | 0.698             | 0.042              | 0.065                |
| EXT 078RSN  | RSN-078    | 0.781                    | 0.733               | 0.046            | 0.024        | 0.727             | 0.042              | 0.065                |
| EXT 081RSN  | RSN-081    | 0.812                    | 0.762               | 0.046            | 0.025        | 0.756             | 0.042              | 0.065                |
| EXT 087RSN  | RSN-087    | 0.875                    | 0.821               | 0.046            | 0.027        | 0.814             | 0.042              | 0.075                |
| EXT 093RSN  | RSN-093    | 0.938                    | 0.882               | 0.046            | 0.028        | 0.875             | 0.042              | 0.075                |
| EXT 098RSN  | RSN-098    | 0.984                    | 0.926               | 0.046            | 0.029        | 0.919             | 0.042              | 0.085                |
| EXT 100RSN  | RSN-100    | 1.000                    | 0.940               | 0.046            | 0.030        | 0.932             | 0.042              | 0.085                |
| EXT 102RSN  | RSN-102    | 1.023                    | 0.961               | 0.046            | 0.031        | 0.953             | 0.042              | 0.085                |
| EXT 106RSN  | RSN-106    | 1.062                    | 0.998               | 0.056            | 0.032        | 0.986             | 0.050              | 0.103                |
| EXT 112RSN  | RSN-112    | 1.125                    | 1.059               | 0.056            | 0.033        | 1.047             | 0.050              | 0.103                |
| EXT 118RSN  | RSN-118    | 1.188                    | 1.118               | 0.056            | 0.035        | 1.105             | 0.050              | 0.103                |
| EXT 125RSN  | RSN-125    | 1.250                    | 1.176               | 0.056            | 0.037        | 1.163             | 0.050              | 0.103                |
| EXT 131RSN  | RSN-131    | 1.312                    | 1.232               | 0.056            | 0.040        | 1.218             | 0.050              | 0.118                |
| EXT 137RSN  | RSN-137    | 1.375                    | 1.291               | 0.056            | 0.042        | 1.277             | 0.050              | 0.118                |
| EXT 143RSN  | RSN-143    | 1.438                    | 1.350               | 0.056            | 0.044        | 1.336             | 0.050              | 0.118                |



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| Part Number | Cross Over | Application Diameter (A) | Groove Diameter (B) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| EXT 150RSN  | RSN-150    | 1.500                    | 1.406               | 0.056            | 0.047        | 1.385             | 0.050              | 0.118                |
| EXT 156RSN  | RSN-156    | 1.562                    | 1.468               | 0.068            | 0.047        | 1.453             | 0.062              | 0.128                |
| EXT 162RSN  | RSN-162    | 1.625                    | 1.529               | 0.068            | 0.048        | 1.513             | 0.062              | 0.128                |
| EXT 168RSN  | RSN-168    | 1.687                    | 1.589               | 0.068            | 0.049        | 1.573             | 0.062              | 0.128                |
| EXT 175RSN  | RSN-175    | 1.750                    | 1.650               | 0.068            | 0.050        | 1.633             | 0.062              | 0.128                |
| EXT 177RSN  | RSN-177    | 1.771                    | 1.669               | 0.068            | 0.051        | 1.651             | 0.062              | 0.128                |
| EXT 181RSN  | RSN-181    | 1.812                    | 1.708               | 0.068            | 0.052        | 1.690             | 0.062              | 0.128                |
| EXT 187RSN  | RSN-187    | 1.875                    | 1.769               | 0.068            | 0.053        | 1.751             | 0.062              | 0.158                |
| EXT 196RSN  | RSN-196    | 1.969                    | 1.857               | 0.068            | 0.056        | 1.838             | 0.062              | 0.158                |
| EXT 200RSN  | RSN-200    | 2.000                    | 1.886               | 0.068            | 0.057        | 1.867             | 0.062              | 0.158                |
| EXT 206RSN  | RSN-206    | 2.062                    | 1.946               | 0.086            | 0.058        | 1.932             | 0.078              | 0.168                |
| EXT 212RSN  | RSN-212    | 2.125                    | 2.003               | 0.086            | 0.061        | 1.989             | 0.078              | 0.168                |
| EXT 215RSN  | RSN-215    | 2.156                    | 2.032               | 0.086            | 0.062        | 2.018             | 0.078              | 0.168                |
| EXT 225RSN  | RSN-225    | 2.250                    | 2.120               | 0.086            | 0.065        | 2.105             | 0.078              | 0.168                |
| EXT 231RSN  | RSN-231    | 2.312                    | 2.178               | 0.086            | 0.067        | 2.163             | 0.078              | 0.168                |
| EXT 237RSN  | RSN-237    | 2.375                    | 2.239               | 0.086            | 0.068        | 2.223             | 0.078              | 0.200                |
| EXT 243RSN  | RSN-243    | 2.437                    | 2.299               | 0.086            | 0.069        | 2.283             | 0.078              | 0.200                |
| EXT 250RSN  | RSN-250    | 2.500                    | 2.360               | 0.086            | 0.070        | 2.343             | 0.078              | 0.200                |
| EXT 255RSN  | RSN-255    | 2.559                    | 2.419               | 0.086            | 0.070        | 2.402             | 0.078              | 0.200                |
| EXT 262RSN  | RSN-262    | 2.625                    | 2.481               | 0.086            | 0.072        | 2.464             | 0.078              | 0.200                |
| EXT 268RSN  | RSN-268    | 2.687                    | 2.541               | 0.086            | 0.073        | 2.523             | 0.078              | 0.200                |
| EXT 275RSN  | RSN-275    | 2.750                    | 2.602               | 0.103            | 0.074        | 2.584             | 0.093              | 0.225                |
| EXT 287RSN  | RSN-287    | 2.875                    | 2.721               | 0.103            | 0.077        | 2.702             | 0.093              | 0.225                |
| EXT 293RSN  | RSN-293    | 2.937                    | 2.779               | 0.103            | 0.079        | 2.760             | 0.093              | 0.225                |
| EXT 300RSN  | RSN-300    | 3.000                    | 2.838               | 0.103            | 0.081        | 2.818             | 0.093              | 0.225                |
| EXT 306RSN  | RSN-306    | 3.062                    | 2.898               | 0.103            | 0.082        | 2.878             | 0.093              | 0.225                |
| EXT 312RSN  | RSN-312    | 3.125                    | 2.957               | 0.103            | 0.084        | 2.936             | 0.093              | 0.225                |
| EXT 315RSN  | RSN-315    | 3.156                    | 2.986               | 0.103            | 0.085        | 2.965             | 0.093              | 0.225                |
| EXT 325RSN  | RSN-325    | 3.250                    | 3.076               | 0.103            | 0.087        | 3.054             | 0.093              | 0.225                |
| EXT 334RSN  | RSN-334    | 3.344                    | 3.166               | 0.103            | 0.089        | 3.144             | 0.093              | 0.225                |
| EXT 343RSN  | RSN-343    | 3.437                    | 3.257               | 0.103            | 0.090        | 3.234             | 0.093              | 0.225                |
| EXT 350RSN  | RSN-350    | 3.500                    | 3.316               | 0.120            | 0.092        | 3.293             | 0.111              | 0.270                |
| EXT 354RSN  | RSN-354    | 3.543                    | 3.357               | 0.120            | 0.093        | 3.333             | 0.111              | 0.270                |
| EXT 362RSN  | RSN-362    | 3.625                    | 3.435               | 0.120            | 0.095        | 3.411             | 0.111              | 0.270                |
| EXT 368RSN  | RSN-368    | 3.687                    | 3.493               | 0.120            | 0.097        | 3.469             | 0.111              | 0.270                |



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RSN-046 - RSN-1500

| Part Number | Cross Over | Application Diameter (A) | Groove Diameter (B) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| EXT 375RSN  | RSN-375    | 3.750                    | 3.552               | 0.120            | 0.099        | 3.527             | 0.111              | 0.270                |
| EXT 387RSN  | RSN-387    | 3.875                    | 3.673               | 0.120            | 0.101        | 3.647             | 0.111              | 0.270                |
| EXT 393RSN  | RSN-393    | 3.938                    | 3.734               | 0.120            | 0.102        | 3.708             | 0.111              | 0.270                |
| EXT 400RSN  | RSN-400    | 4.000                    | 3.792               | 0.120            | 0.104        | 3.765             | 0.111              | 0.270                |
| EXT 425RSN  | RSN-425    | 4.250                    | 4.065               | 0.120            | 0.092        | 4.037             | 0.111              | 0.270                |
| EXT 437RSN  | RSN-437    | 4.375                    | 4.190               | 0.120            | 0.092        | 4.161             | 0.111              | 0.270                |
| EXT 450RSN  | RSN-450    | 4.500                    | 4.310               | 0.120            | 0.095        | 4.280             | 0.111              | 0.270                |
| EXT 475RSN  | RSN-475    | 4.750                    | 4.550               | 0.120            | 0.100        | 4.518             | 0.111              | 0.270                |
| EXT 500RSN  | RSN-500    | 5.000                    | 4.790               | 0.120            | 0.105        | 4.756             | 0.111              | 0.270                |
| EXT 525RSN  | RSN-525    | 5.250                    | 5.030               | 0.139            | 0.110        | 4.995             | 0.127              | 0.350                |
| EXT 550RSN  | RSN-550    | 5.500                    | 5.265               | 0.139            | 0.118        | 5.228             | 0.127              | 0.350                |
| EXT 575RSN  | RSN-575    | 5.750                    | 5.505               | 0.139            | 0.123        | 5.466             | 0.127              | 0.350                |
| EXT 600RSN  | RSN-600    | 6.000                    | 5.745               | 0.139            | 0.128        | 5.705             | 0.127              | 0.350                |
| EXT 625RSN  | RSN-625    | 6.250                    | 5.985               | 0.174            | 0.133        | 5.938             | 0.156              | 0.418                |
| EXT 650RSN  | RSN-650    | 6.500                    | 6.225               | 0.174            | 0.138        | 6.181             | 0.156              | 0.418                |
| EXT 675RSN  | RSN-675    | 6.750                    | 6.465               | 0.174            | 0.143        | 6.410             | 0.156              | 0.418                |
| EXT 700RSN  | RSN-700    | 7.000                    | 6.705               | 0.174            | 0.148        | 6.648             | 0.156              | 0.418                |
| EXT 725RSN  | RSN-725    | 7.250                    | 6.942               | 0.174            | 0.154        | 6.891             | 0.156              | 0.418                |
| EXT 750RSN  | RSN-750    | 7.500                    | 7.180               | 0.209            | 0.160        | 7.130             | 0.187              | 0.437                |
| EXT 775RSN  | RSN-775    | 7.750                    | 7.420               | 0.209            | 0.165        | 7.368             | 0.187              | 0.437                |
| EXT 800RSN  | RSN-800    | 8.000                    | 7.660               | 0.209            | 0.170        | 7.606             | 0.187              | 0.437                |
| EXT 825RSN  | RSN-825    | 8.250                    | 7.900               | 0.209            | 0.175        | 7.845             | 0.187              | 0.437                |
| EXT 850RSN  | RSN-850    | 8.500                    | 8.140               | 0.209            | 0.180        | 8.083             | 0.187              | 0.437                |
| EXT 875RSN  | RSN-875    | 8.750                    | 8.383               | 0.209            | 0.184        | 8.324             | 0.187              | 0.437                |
| EXT 900RSN  | RSN-900    | 9.000                    | 8.620               | 0.209            | 0.190        | 8.560             | 0.187              | 0.500                |
| EXT 925RSN  | RSN-925    | 9.250                    | 8.860               | 0.209            | 0.195        | 8.798             | 0.187              | 0.500                |
| EXT 950RSN  | RSN-950    | 9.500                    | 9.100               | 0.209            | 0.200        | 9.036             | 0.187              | 0.500                |
| EXT 975RSN  | RSN-975    | 9.750                    | 9.338               | 0.209            | 0.206        | 9.275             | 0.187              | 0.500                |
| EXT 1000RSN | RSN-1000   | 10.000                   | 9.575               | 0.209            | 0.213        | 9.508             | 0.187              | 0.500                |
| EXT 1025RSN | RSN-1025   | 10.250                   | 9.814               | 0.209            | 0.218        | 9.745             | 0.187              | 0.500                |
| EXT 1050RSN | RSN-1050   | 10.500                   | 10.054              | 0.209            | 0.223        | 9.984             | 0.187              | 0.500                |
| EXT 1075RSN | RSN-1075   | 10.750                   | 10.293              | 0.209            | 0.229        | 10.221            | 0.187              | 0.500                |
| EXT 1100RSN | RSN-1100   | 11.000                   | 10.533              | 0.209            | 0.234        | 10.459            | 0.187              | 0.500                |
| EXT 1125RSN | RSN-1125   | 11.250                   | 10.772              | 0.209            | 0.239        | 10.692            | 0.187              | 0.500                |
| EXT 1150RSN | RSN-1150   | 11.500                   | 11.011              | 0.209            | 0.245        | 10.934            | 0.187              | 0.562                |



# Retaining Rings

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RSN-046 - RSN-1500

| Part Number | Cross Over | Application Diameter (A) | Groove Diameter (B) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| EXT 1175RSN | RSN-1175   | 11.750                   | 11.250              | 0.209            | 0.250        | 11.171            | 0.187              | 0.562                |
| EXT 1200RSN | RSN-1200   | 12.000                   | 11.490              | 0.209            | 0.255        | 11.410            | 0.187              | 0.562                |
| EXT 1225RSN | RSN-1225   | 12.250                   | 11.729              | 0.209            | 0.261        | 11.647            | 0.187              | 0.562                |
| EXT 1250RSN | RSN-1250   | 12.500                   | 11.969              | 0.209            | 0.266        | 11.885            | 0.187              | 0.562                |
| EXT 1275RSN | RSN-1275   | 12.750                   | 12.208              | 0.209            | 0.271        | 12.124            | 0.187              | 0.562                |
| EXT 1300RSN | RSN-1300   | 13.000                   | 12.448              | 0.209            | 0.276        | 12.361            | 0.187              | 0.662                |
| EXT 1325RSN | RSN-1325   | 13.250                   | 12.687              | 0.209            | 0.282        | 12.598            | 0.187              | 0.662                |
| EXT 1350RSN | RSN-1350   | 13.500                   | 12.927              | 0.209            | 0.287        | 12.837            | 0.187              | 0.662                |
| EXT 1375RSN | RSN-1375   | 13.750                   | 13.166              | 0.209            | 0.292        | 13.074            | 0.187              | 0.662                |
| EXT 1400RSN | RSN-1400   | 14.000                   | 13.405              | 0.209            | 0.298        | 13.311            | 0.187              | 0.662                |
| EXT 1425RSN | RSN-1425   | 14.250                   | 13.644              | 0.209            | 0.303        | 13.548            | 0.187              | 0.662                |
| EXT 1450RSN | RSN-1450   | 14.500                   | 13.884              | 0.209            | 0.308        | 13.787            | 0.187              | 0.750                |
| EXT 1475RSN | RSN-1475   | 14.750                   | 14.123              | 0.209            | 0.314        | 14.024            | 0.187              | 0.750                |
| EXT 1500RSN | RSN-1500   | 15.000                   | 14.363              | 0.209            | 0.319        | 14.262            | 0.187              | 0.750                |



# Retaining Rings

## Spiral Retaining Rings



RRN-050 - RRN-1500

| Part Number | Cross Over | Application Diameter (B) | Groove Diameter (A) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| INT 050RRN  | RRN-050    | 0.500                    | 0.530               | 0.039            | 0.015        | 0.538             | 0.035              | 0.045                |
| INT 051RRN  | RRN-051    | 0.512                    | 0.542               | 0.039            | 0.015        | 0.550             | 0.035              | 0.045                |
| INT 056RRN  | RRN-056    | 0.562                    | 0.596               | 0.039            | 0.017        | 0.605             | 0.035              | 0.055                |
| INT 062RRN  | RRN-062    | 0.625                    | 0.665               | 0.039            | 0.020        | 0.675             | 0.035              | 0.055                |
| INT 068RRN  | RRN-068    | 0.688                    | 0.732               | 0.039            | 0.022        | 0.743             | 0.035              | 0.065                |
| INT 075RRN  | RRN-075    | 0.750                    | 0.796               | 0.039            | 0.023        | 0.807             | 0.035              | 0.065                |
| INT 077RRN  | RRN-077    | 0.777                    | 0.825               | 0.046            | 0.024        | 0.836             | 0.042              | 0.075                |
| INT 081RRN  | RRN-081    | 0.812                    | 0.862               | 0.046            | 0.025        | 0.873             | 0.042              | 0.075                |
| INT 086RRN  | RRN-086    | 0.866                    | 0.920               | 0.046            | 0.027        | 0.931             | 0.042              | 0.075                |
| INT 087RRN  | RRN-087    | 0.875                    | 0.931               | 0.046            | 0.028        | 0.943             | 0.042              | 0.085                |
| INT 090RRN  | RRN-090    | 0.901                    | 0.959               | 0.046            | 0.029        | 0.972             | 0.042              | 0.085                |
| INT 093RRN  | RRN-093    | 0.938                    | 1.000               | 0.046            | 0.031        | 1.013             | 0.042              | 0.085                |
| INT 100RRN  | RRN-100    | 1.000                    | 1.066               | 0.046            | 0.033        | 1.080             | 0.042              | 0.085                |
| INT 102RRN  | RRN-102    | 1.023                    | 1.091               | 0.046            | 0.034        | 1.105             | 0.042              | 0.085                |
| INT 106RRN  | RRN-106    | 1.062                    | 1.130               | 0.056            | 0.034        | 1.138             | 0.050              | 0.103                |
| INT 112RRN  | RRN-112    | 1.125                    | 1.197               | 0.056            | 0.036        | 1.205             | 0.050              | 0.103                |
| INT 118RRN  | RRN-118    | 1.188                    | 1.262               | 0.056            | 0.037        | 1.271             | 0.050              | 0.103                |
| INT 125RRN  | RRN-125    | 1.250                    | 1.330               | 0.056            | 0.040        | 1.339             | 0.050              | 0.103                |
| INT 131RRN  | RRN-131    | 1.312                    | 1.396               | 0.056            | 0.042        | 1.406             | 0.050              | 0.118                |
| INT 137RRN  | RRN-137    | 1.375                    | 1.461               | 0.056            | 0.043        | 1.471             | 0.050              | 0.118                |
| INT 143RRN  | RRN-143    | 1.439                    | 1.528               | 0.056            | 0.045        | 1.539             | 0.050              | 0.118                |
| INT 145RRN  | RRN-145    | 1.456                    | 1.548               | 0.056            | 0.046        | 1.559             | 0.050              | 0.118                |

# Retaining Rings

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RRN-050 - RRN-1500

| Part Number | Cross Over | Application Diameter (B) | Groove Diameter (A) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| INT 150RRN  | RRN-150    | 1.500                    | 1.594               | 0.056            | 0.047        | 1.605             | 0.050              | 0.118                |
| INT 156RRN  | RRN-156    | 1.562                    | 1.658               | 0.068            | 0.048        | 1.675             | 0.062              | 0.128                |
| INT 162RRN  | RRN-162    | 1.625                    | 1.725               | 0.068            | 0.050        | 1.742             | 0.062              | 0.128                |
| INT 165RRN  | RRN-165    | 1.653                    | 1.755               | 0.068            | 0.051        | 1.772             | 0.062              | 0.128                |
| INT 168RRN  | RRN-168    | 1.688                    | 1.792               | 0.068            | 0.052        | 1.810             | 0.062              | 0.128                |
| INT 175RRN  | RRN-175    | 1.750                    | 1.858               | 0.068            | 0.054        | 1.876             | 0.062              | 0.128                |
| INT 181RRN  | RRN-181    | 1.812                    | 1.922               | 0.068            | 0.055        | 1.940             | 0.062              | 0.128                |
| INT 185RRN  | RRN-185    | 1.850                    | 1.962               | 0.068            | 0.056        | 1.981             | 0.062              | 0.158                |
| INT 187RRN  | RRN-187    | 1.875                    | 1.989               | 0.068            | 0.057        | 2.008             | 0.062              | 0.158                |
| INT 193RRN  | RRN-193    | 1.938                    | 2.056               | 0.068            | 0.059        | 2.075             | 0.062              | 0.158                |
| INT 200RRN  | RRN-200    | 2.000                    | 2.122               | 0.068            | 0.061        | 2.142             | 0.062              | 0.158                |
| INT 206RRN  | RRN-206    | 2.062                    | 2.186               | 0.086            | 0.062        | 2.201             | 0.078              | 0.168                |
| INT 212RRN  | RRN-212    | 2.125                    | 2.251               | 0.086            | 0.063        | 2.267             | 0.078              | 0.168                |
| INT 218RRN  | RRN-218    | 2.188                    | 2.318               | 0.086            | 0.065        | 2.334             | 0.078              | 0.168                |
| INT 225RRN  | RRN-225    | 2.250                    | 2.382               | 0.086            | 0.066        | 2.399             | 0.078              | 0.168                |
| INT 231RRN  | RRN-231    | 2.312                    | 2.450               | 0.086            | 0.069        | 2.467             | 0.078              | 0.200                |
| INT 237RRN  | RRN-237    | 2.375                    | 2.517               | 0.086            | 0.071        | 2.535             | 0.078              | 0.200                |
| INT 244RRN  | RRN-244    | 2.440                    | 2.584               | 0.086            | 0.072        | 2.602             | 0.078              | 0.200                |
| INT 250RRN  | RRN-250    | 2.500                    | 2.648               | 0.086            | 0.074        | 2.667             | 0.078              | 0.200                |
| INT 253RRN  | RRN-253    | 2.531                    | 2.681               | 0.086            | 0.075        | 2.700             | 0.078              | 0.200                |
| INT 256RRN  | RRN-256    | 2.562                    | 2.714               | 0.103            | 0.076        | 2.733             | 0.093              | 0.225                |
| INT 262RRN  | RRN-262    | 2.625                    | 2.781               | 0.103            | 0.078        | 2.801             | 0.093              | 0.225                |
| INT 268RRN  | RRN-268    | 2.688                    | 2.848               | 0.103            | 0.080        | 2.868             | 0.093              | 0.225                |
| INT 275RRN  | RRN-275    | 2.750                    | 2.914               | 0.103            | 0.082        | 2.934             | 0.093              | 0.225                |
| INT 281RRN  | RRN-281    | 2.813                    | 2.980               | 0.103            | 0.083        | 3.001             | 0.093              | 0.225                |
| INT 283RRN  | RRN-283    | 2.834                    | 3.006               | 0.103            | 0.086        | 3.027             | 0.093              | 0.225                |
| INT 287RRN  | RRN-287    | 2.875                    | 3.051               | 0.103            | 0.088        | 3.072             | 0.093              | 0.225                |
| INT 300RRN  | RRN-300    | 3.000                    | 3.182               | 0.103            | 0.091        | 3.204             | 0.093              | 0.225                |
| INT 306RRN  | RRN-306    | 3.062                    | 3.248               | 0.120            | 0.093        | 3.271             | 0.111              | 0.281                |
| INT 312RRN  | RRN-312    | 3.125                    | 3.315               | 0.120            | 0.095        | 3.338             | 0.111              | 0.281                |
| INT 315RRN  | RRN-315    | 3.157                    | 3.348               | 0.120            | 0.095        | 3.371             | 0.111              | 0.281                |
| INT 325RRN  | RRN-325    | 3.250                    | 3.446               | 0.120            | 0.098        | 3.470             | 0.111              | 0.281                |
| INT 334RRN  | RRN-334    | 3.346                    | 3.546               | 0.120            | 0.100        | 3.571             | 0.111              | 0.281                |
| INT 346RRN  | RRN-346    | 3.469                    | 3.675               | 0.120            | 0.103        | 3.701             | 0.111              | 0.281                |



# Retaining Rings

## Spiral Retaining Rings

RRN-050 - RRN-1500

| Part Number | Cross Over | Application Diameter (B) | Groove Diameter (A) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| INT 350RRN  | RRN-350    | 3.500                    | 3.710               | 0.120            | 0.105        | 3.736             | 0.111              | 0.281                |
| INT 354RRN  | RRN-354    | 3.543                    | 3.755               | 0.120            | 0.106        | 3.781             | 0.111              | 0.281                |
| INT 356RRN  | RRN-356    | 3.562                    | 3.776               | 0.120            | 0.107        | 3.802             | 0.111              | 0.281                |
| INT 362RRN  | RRN-362    | 3.625                    | 3.841               | 0.120            | 0.108        | 3.868             | 0.111              | 0.281                |
| INT 375RRN  | RRN-375    | 3.750                    | 3.974               | 0.120            | 0.112        | 4.002             | 0.111              | 0.312                |
| INT 387RRN  | RRN-387    | 3.875                    | 4.107               | 0.120            | 0.116        | 4.136             | 0.111              | 0.312                |
| INT 393RRN  | RRN-393    | 3.938                    | 4.174               | 0.120            | 0.118        | 4.203             | 0.111              | 0.312                |
| INT 400RRN  | RRN-400    | 4.000                    | 4.240               | 0.120            | 0.120        | 4.270             | 0.111              | 0.312                |
| INT 412RRN  | RRN-412    | 4.125                    | 4.339               | 0.120            | 0.107        | 4.369             | 0.111              | 0.312                |
| INT 425RRN  | RRN-425    | 4.250                    | 4.470               | 0.120            | 0.110        | 4.501             | 0.111              | 0.312                |
| INT 433RRN  | RRN-433    | 4.330                    | 4.556               | 0.120            | 0.113        | 4.588             | 0.111              | 0.312                |
| INT 450RRN  | RRN-450    | 4.500                    | 4.735               | 0.120            | 0.118        | 4.768             | 0.111              | 0.312                |
| INT 462RRN  | RRN-462    | 4.625                    | 4.865               | 0.120            | 0.120        | 4.899             | 0.111              | 0.312                |
| INT 475RRN  | RRN-475    | 4.750                    | 4.995               | 0.120            | 0.123        | 5.030             | 0.111              | 0.312                |
| INT 500RRN  | RRN-500    | 5.000                    | 5.260               | 0.120            | 0.130        | 5.297             | 0.111              | 0.312                |
| INT 525RRN  | RRN-525    | 5.250                    | 5.520               | 0.139            | 0.135        | 5.559             | 0.127              | 0.350                |
| INT 537RRN  | RRN-537    | 5.375                    | 5.650               | 0.139            | 0.138        | 5.690             | 0.127              | 0.350                |
| INT 550RRN  | RRN-550    | 5.500                    | 5.770               | 0.139            | 0.135        | 5.810             | 0.127              | 0.350                |
| INT 575RRN  | RRN-575    | 5.750                    | 6.020               | 0.139            | 0.135        | 6.062             | 0.127              | 0.350                |
| INT 600RRN  | RRN-600    | 6.000                    | 6.270               | 0.139            | 0.135        | 6.314             | 0.127              | 0.350                |
| INT 625RRN  | RRN-625    | 6.250                    | 6.530               | 0.174            | 0.140        | 6.576             | 0.156              | 0.380                |
| INT 650RRN  | RRN-650    | 6.500                    | 6.790               | 0.174            | 0.145        | 6.838             | 0.156              | 0.380                |
| INT 662RRN  | RRN-662    | 6.625                    | 6.925               | 0.174            | 0.150        | 6.974             | 0.156              | 0.380                |
| INT 675RRN  | RRN-675    | 6.750                    | 7.055               | 0.174            | 0.153        | 7.105             | 0.156              | 0.380                |
| INT 700RRN  | RRN-700    | 7.000                    | 7.315               | 0.174            | 0.158        | 7.366             | 0.156              | 0.380                |
| INT 725RRN  | RRN-725    | 7.250                    | 7.575               | 0.209            | 0.163        | 7.628             | 0.187              | 0.418                |
| INT 750RRN  | RRN-750    | 7.500                    | 7.840               | 0.209            | 0.170        | 7.895             | 0.187              | 0.418                |
| INT 775RRN  | RRN-775    | 7.750                    | 8.100               | 0.209            | 0.175        | 8.157             | 0.187              | 0.418                |
| INT 800RRN  | RRN-800    | 8.000                    | 8.360               | 0.209            | 0.180        | 8.419             | 0.187              | 0.418                |
| INT 825RRN  | RRN-825    | 8.250                    | 8.620               | 0.209            | 0.185        | 8.680             | 0.187              | 0.437                |
| INT 850RRN  | RRN-850    | 8.500                    | 8.880               | 0.209            | 0.190        | 8.942             | 0.187              | 0.437                |
| INT 875RRN  | RRN-875    | 8.750                    | 9.145               | 0.209            | 0.198        | 9.209             | 0.187              | 0.437                |
| INT 900RRN  | RRN-900    | 9.000                    | 9.405               | 0.209            | 0.203        | 9.471             | 0.187              | 0.437                |
| INT 925RRN  | RRN-925    | 9.250                    | 9.669               | 0.209            | 0.210        | 9.737             | 0.187              | 0.437                |
| INT 950RRN  | RRN-950    | 9.500                    | 9.930               | 0.209            | 0.215        | 10.000            | 0.187              | 0.500                |



# Retaining Rings

## Spiral Retaining Rings

RRN-050 - RRN-1500

| Part Number | Cross Over | Application Diameter (B) | Groove Diameter (A) | Groove Width (W) | Groove Depth | Ring Diameter (D) | Ring Thickness (t) | Ring Radial Wall (b) |
|-------------|------------|--------------------------|---------------------|------------------|--------------|-------------------|--------------------|----------------------|
| INT 975RRN  | RRN-975    | 9.750                    | 10.189              | 0.209            | 0.220        | 10.260            | 0.187              | 0.500                |
| INT 1000RRN | RRN-1000   | 10.000                   | 10.450              | 0.209            | 0.225        | 10.523            | 0.187              | 0.500                |
| INT 1025RRN | RRN-1025   | 10.250                   | 10.711              | 0.209            | 0.231        | 10.786            | 0.187              | 0.500                |
| INT 1050RRN | RRN-1050   | 10.500                   | 10.970              | 0.209            | 0.235        | 11.047            | 0.187              | 0.500                |
| INT 1075RRN | RRN-1075   | 10.750                   | 11.234              | 0.209            | 0.242        | 11.313            | 0.187              | 0.500                |
| INT 1100RRN | RRN-1100   | 11.000                   | 11.495              | 0.209            | 0.248        | 11.575            | 0.187              | 0.500                |
| INT 1125RRN | RRN-1125   | 11.250                   | 11.756              | 0.209            | 0.253        | 11.838            | 0.187              | 0.500                |
| INT 1150RRN | RRN-1150   | 11.500                   | 12.018              | 0.209            | 0.259        | 12.102            | 0.187              | 0.562                |
| INT 1175RRN | RRN-1175   | 11.750                   | 12.279              | 0.209            | 0.265        | 12.365            | 0.187              | 0.562                |
| INT 1200RRN | RRN-1200   | 12.000                   | 12.540              | 0.209            | 0.270        | 12.628            | 0.187              | 0.562                |
| INT 1225RRN | RRN-1225   | 12.250                   | 12.801              | 0.209            | 0.276        | 12.891            | 0.187              | 0.562                |
| INT 1250RRN | RRN-1250   | 12.500                   | 13.063              | 0.209            | 0.282        | 13.154            | 0.187              | 0.562                |
| INT 1275RRN | RRN-1275   | 12.750                   | 13.324              | 0.209            | 0.287        | 13.417            | 0.187              | 0.562                |
| INT 1300RRN | RRN-1300   | 13.000                   | 13.585              | 0.209            | 0.293        | 13.680            | 0.187              | 0.662                |
| INT 1325RRN | RRN-1325   | 13.250                   | 13.846              | 0.209            | 0.298        | 13.943            | 0.187              | 0.662                |
| INT 1350RRN | RRN-1350   | 13.500                   | 14.108              | 0.209            | 0.304        | 14.207            | 0.187              | 0.662                |
| INT 1375RRN | RRN-1375   | 13.750                   | 14.369              | 0.209            | 0.310        | 14.470            | 0.187              | 0.662                |
| INT 1400RRN | RRN-1400   | 14.000                   | 14.630              | 0.209            | 0.315        | 14.732            | 0.187              | 0.662                |
| INT 1425RRN | RRN-1425   | 14.250                   | 14.891              | 0.209            | 0.321        | 14.995            | 0.187              | 0.662                |
| INT 1450RRN | RRN-1450   | 14.500                   | 15.153              | 0.209            | 0.327        | 15.259            | 0.187              | 0.750                |
| INT 1475RRN | RRN-1475   | 14.750                   | 15.414              | 0.209            | 0.332        | 15.552            | 0.187              | 0.750                |
| INT 1500RRN | RRN-1500   | 15.000                   | 15.675              | 0.209            | 0.338        | 15.785            | 0.187              | 0.750                |

