





**VALVE SPRING RETAINERS BY SIZE**

| 10 degree    | ALL      |       |       |       |
|--------------|----------|-------|-------|-------|
| PART#        | NOTES    | A     | B     | C     |
| VSR311       | CM       | 1.360 | 1.075 | 0.775 |
| VSR1505      | CM       | 1.372 | 1.062 | 0.785 |
| VSR1505-TC   | TITANIUM | 1.372 | 1.062 | 0.785 |
| VSR307       | CM       | 1.400 | 1.060 | 0.695 |
| VSR307-2T    | TITANIUM | 1.400 | 1.060 | 0.695 |
| VSR307-2TC   | TITANIUM | 1.400 | 1.606 | 0.695 |
| VSR99258-ERW | CM       | 1.436 | 1.044 | 0.680 |
| VSR307-SPEC  | CM       | 1.440 | 1.048 | 0.700 |
| VSR99258     | CM       | 1.485 | 1.112 | 0.713 |
| VSR308       | CM       | 1.490 | 1.120 | 0.695 |
| VSR308-2TC   | TITANIUM | 1.490 | 1.120 | 0.695 |
| VSR309       | CM       | 1.575 | 1.180 | 0.640 |
| VSR309-2T    | TITANIUM | 1.575 | 1.180 | 0.640 |
| VSR310       | CM       | 1.590 | 1.174 | 0.866 |
| VSR310-TC    | TITANIUM | 1.590 | 1.174 | 0.866 |

| 7 degree    | 11/32"   |       |       |       |
|-------------|----------|-------|-------|-------|
| PART#       | NOTES    | A     | B     | C     |
| VSR732-B    | INNER    | 0.735 |       |       |
| VSR239      | CM       | 1.000 | 0.680 | 0.590 |
| VSR104      | CM       | 1.030 | 0.640 |       |
| VSR906      | CM       | 1.130 | 0.861 |       |
| VSR105      | CM       | 1.200 | 0.740 |       |
| VSR105-1    | CM       | 1.200 | 0.860 |       |
| VSR301-A    | +060     | 1.230 | 0.875 | 0.650 |
| VSR100-1    | CM       | 1.240 | 0.860 |       |
| VSR100-1T   | TITANIUM | 1.240 | 0.860 |       |
| VSR105-1TC  | TITANIUM | 1.240 | 0.861 |       |
| VSR124-TC   | TITANIUM | 1.240 | 0.874 | 0.610 |
| VSR6100     | CM       | 1.240 | 0.860 |       |
| VSR231GM-B  | CM       | 1.250 | 0.845 |       |
| VSR177      | OE       | 1.320 | 0.910 |       |
| VSR182-B    | CM       | 1.320 | 0.950 |       |
| VSR725      | OUTER    | 1.337 | 0.948 |       |
| VSR179-B    | CM       | 1.340 | 0.990 |       |
| VSR351      | OUTER    | 1.340 | 0.935 |       |
| VSR102-1    | CM       | 1.370 | 1.064 | 0.720 |
| VSR300-FORD | CM       | 1.400 | 1.030 |       |
| VSR302      | CM       | 1.400 | 1.060 | 0.700 |
| VSR302-A    | +060     | 1.400 | 1.060 | 0.700 |
| VSR6302     | CM       | 1.400 | 1.060 | 0.700 |
| VSR303      | CM       | 1.490 | 1.120 | 0.695 |

| 7 degree | 3/8"   |       |       |       |
|----------|--------|-------|-------|-------|
| PART#    | NOTES  | A     | B     | C     |
| VSR455   | 12 deg | 1.310 | 0.818 | 0.709 |
| VSR454-L | OE     | 1.312 | 0.912 |       |
| VSR318   | CM     | 1.340 | 1.000 | 0.640 |
| VSR304   | CM     | 1.400 | 1.060 | 0.695 |
| VSR304A  | +060   | 1.400 | 1.060 | 0.695 |
| VSR305   | CM     | 1.495 | 1.120 | 0.695 |
| VSR305A  | +060   | 1.495 | 1.120 | 0.695 |
| VSR6305  | CM     | 1.495 | 1.120 | 0.695 |
| VSR306   | CM     | 1.575 | 1.180 | 0.640 |

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| PART #R90036S |  |  |  |  |

| 7 degree     | 5/16"    |       |       |       |
|--------------|----------|-------|-------|-------|
| PART#        | NOTES    | A     | B     | C     |
| VSR360       | CM       | 1.140 | 0.820 |       |
| VSR6360      | CM       | 1.140 | 0.820 |       |
| VSR302-5/16  | CM       | 1.400 | 1.060 | 0.700 |
| VSR302-5/16T | TITANIUM | 1.400 | 1.060 | 0.700 |
| VSR303-5/16  | CM       | 1.490 | 1.120 | 0.695 |

| 7 degree    | 8mm      |       |       |       |
|-------------|----------|-------|-------|-------|
| PART#       | NOTES    | A     | B     | C     |
| VSR226B     | OE       | 0.960 | 0.650 |       |
| VSR200      | OE       | 0.988 | 0.610 |       |
| VSR103-CM   | CM       | 1.030 | 0.640 |       |
| VSR103-T    | TITANIUM | 1.030 | 0.640 |       |
| VSR198      | OE       | 1.038 | 0.610 |       |
| VSR6198     | CM       | 1.038 | 0.610 |       |
| VSRGENV     | OE       | 1.039 | 0.614 |       |
| VSR115+050  | CM       | 1.155 | 0.950 | 0.675 |
| VSR1516VW   | CM       | 1.228 | 0.920 | 0.660 |
| VSR1516VW-T | TITANIUM | 1.228 | 0.920 | 0.660 |
| VSR123      | CM       | 1.236 | 0.864 | 0.610 |
| VSR123-TC   | TITANIUM | 1.236 | 0.864 | 0.610 |
| VSR6123     | CM       | 1.236 | 0.864 | 0.610 |
| VSR199      | CM       | 1.250 | 0.960 | 0.590 |
| VSR26IS     | CM       | 1.250 | 0.960 | 0.700 |
| VSR26MI     | CM       | 1.250 | 0.930 | 0.670 |
| VSR22R      | CM       | 1.290 | 0.900 | 0.600 |
| VSR130-CM   | CM       | 1.300 | 1.070 | 0.690 |
| VSR130-T    | TITANIUM | 1.300 | 1.070 | 0.690 |
| VSR40       | CM       | 1.300 | 1.030 | 0.690 |
| VSR359      | CM       | 1.345 | 0.925 |       |
| VSR140      | CM       | 1.400 | 1.030 | 0.710 |
| VSR40-T     | TITANIUM | 1.400 | 1.030 | 0.700 |
| VSR143-T    | TITANIUM | 1.430 | 1.060 | 0.690 |

| 7 degree    | 7 mm  |       |       |       |
|-------------|-------|-------|-------|-------|
| PART#       | NOTES | A     | B     | C     |
| VSR256      | OE    | 0.780 | 0.545 |       |
| VSR194-LATE | CM    | 0.880 | 0.620 |       |
| VSR328      | OE    | 0.912 | 0.621 |       |
| VSR197      | CM    | 0.980 | 0.580 |       |
| VSR6197     | CM    | 0.980 | 0.580 |       |
| VSR194      | OE    | 1.040 | 0.736 |       |
| VSRGM66D    | CM    | 1.175 | 0.819 |       |
| VSR23MA     | CM    | 1.250 | 0.950 | 0.695 |

| 7 degree       | 6 mm     |        |       |   |
|----------------|----------|--------|-------|---|
| PART#          | NOTES    | A      | B     | C |
| VSR250-CM      | CM       | 0.7018 | 0.500 |   |
| VSR250         | TITANIUM | 0.708  | 0.500 |   |
| VSR220         | OE       | 0.718  | 0.484 |   |
| VSR260         | OE       | 0.7501 | 0.545 |   |
| VSR252-B       | CM       | 0.920  | 0.630 |   |
| VSR1029-MINI-T | TITANIUM | 1.029  | 0.665 |   |

| 7 degree | 5.5 mm   |       |       |       |
|----------|----------|-------|-------|-------|
| PART#    | NOTES    | A     | B     | C     |
| VSR110-T | TITANIUM | 1.100 | 0.830 | 0.600 |
| VSR001-T | TITANIUM | 1.110 | 0.900 | 0.676 |