

# VALVE SPRINGS

## VALVE SPRINGS **OUTSIDE DIAMETER ORDER**

Part Number	O/D	ID of Outer	ID of Inner	Spring Type	RH or LH (Outer)	Free Length	Spring Rate (lb/in)	Solid Height
<b>514</b>	0.838"	0.612"		1	L	1.500"	145	0.710"
<b>607</b>	0.910"	0.684"		1	L	1.970"	80	0.780"
<b>511</b>	0.937"	0.697"		1	L	1.490"	123	0.740"
<b>5844-IRH</b>	0.950"	0.710"		1	R	1.955"	95	0.750"
<b>513</b>	0.953"	0.697"		1	L	1.937"	132	0.930"
<b>1832</b>	0.970" TOP 1.105" BOT	0.585" TOP 0.745" BOT		1 Conical	R	1.810"	310	0.900"
<b>1808</b>	0.970" TOP 1.060" BOT	0.650" TOP 0.727" BOT		1 Conical	R	1.970"	220	0.880"
<b>1809</b>	0.970" TOP 1.060" BOT	0.650" TOP 0.740" BOT		1 Conical	R	2.180"	205	0.900"
<b>1804</b>	0.995" TOP 1.060" BOT"	0.635" TOP 0.700" BOT		1 Conical	R	2.060"	280	1.020"
<b>507</b>	1.000"	0.760"		1	L	2.050"	75	0.750"
<b>4403</b>	1.000"	0.700"		1	R	1.900"	260	0.945"
<b>615</b>	1.015"	0.740"		1	L	2.000"	135	0.870"
<b>515</b>	1.015"	0.725"		1	L	2.165"	155	1.060"
<b>4511X</b>	1.035" TOP 1.290" BOT	0.665" TOP 0.910" BOT		1 Conical	R	2.230"	365	1.100"
<b>4918</b>	1.040" TOP 1.275" BOT	0.640" TOP 0.875" BOT		1 Conical	R	2.335"	314	1.090"
<b>4231</b>	1.045" TOP 1.275" BOT	0.650" TOP 0.870" BOT		1 Conical	R	2.260"	300	1.100"
<b>1511ML</b>	1.050" TOP 1.295" BOT	0.643" TOP 0.908" BOT		1 Conical	R	2.180"	385	1.100"
<b>4164</b>	1.050"	0.735"		1	R	1.740"	265	0.840"
<b>4435</b>	1.060" TOP 1.200" BOT	0.640" TOP 0.800" BOT		1 Conical	R	2.220"	350	1.150"
<b>4021</b>	1.065" TOP 1.255" BOT	0.670" TOP 0.875" BOT		1 Conical	R	1.960"	350	1.190"
<b>613</b>	1.080"	0.796"		1	R	2.230"	130	1.000"
<b>612</b>	1.090"	0.810"		1	R	2.055"	120	0.880"
<b>4162</b>	1.100"	0.765"		1	R	1.895"	260	0.980"
<b>4420</b>	1.110" TOP 1.440" BOT	0.660" TOP 0.990" BOT		1 Conical	R	2.445"	360	1.200"
<b>4177<sup>D</sup></b>	1.113"	0.805"	0.636"	2	R	1.660"	230	0.730"
<b>2021</b>	1.140"	0.380"		1	R	1.650"	235	0.750"
<b>2834<sup>D</sup></b>	1.140"	0.830"	0.612"	2	R	1.650"	390	0.830"
<b>2836<sup>D</sup></b>	1.140"	0.830"	0.612"	2	R	1.650"	355	0.830"
<b>4163</b>	1.160"	0.835"		1	R	1.980"	260	0.975"
<b>4429<sup>D</sup></b>	1.167"	0.860"	0.660"	2	R	1.820"	240	0.810"

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<b>4038</b>	1.200"	0.860"		1	R	1.830"	380	0.920"
<b>4220<sup>D</sup></b>	1.210"	0.926"	0.700"	2	R	1.900"	200	0.820"
<b>5038</b>	1.211"	0.857"		1	R	1.780"	340	1.010"
<b>4250<sup>D</sup></b>	1.212"	0.930"	0.695"	2	R	1.960"	250	0.805"
<b>4830</b>	1.220"	0.860"	0.755"	1 + Damper	R	2.140"	310	1.120"
<b>4835</b>	1.220"	0.860"	0.765"	1 + Damper	R	2.170"	340	1.090"
<b>5037</b>	1.230"	0.875"		1	R	2.060"	265	1.230"
<b>4931</b>	1.230"	0.880"	0.770"	1 + Damper	R	2.020"	275	1.140"
<b>4936</b>	1.230"	0.875"	0.780"	1 + Damper	R	2.000"	330	1.120"
<b>4326<sup>D</sup></b>	1.240"	0.920"	0.685"	2	L	2.100"	275	0.950"
<b>4719</b>	1.240"	0.920"	0.840"	1 + Damper	L	2.090"	250	0.930"
<b>4328<sup>D</sup></b>	1.245"	0.920"	0.685"	2	L	2.165"	260	0.940"
<b>4320</b>	1.245"	0.910"		1	L	2.105"	210	0.950"
<b>4336<sup>D</sup></b>	1.245"	0.920"	0.685"	2	L	2.100"	295	0.920"
<b>4836</b>	1.250"	0.875"	0.780"	1 + Damper	R	2.040"	405	1.080"
<b>4828</b>	1.250"	0.870"		1	R	2.030"	360	1.080"
<b>4028</b>	1.250"	0.920"		1	L	2.105"	190	0.950"
<b>4833</b>	1.255"	0.868"	0.780"	1 + Damper	R	2.030"	415	1.100"
<b>4327<sup>D</sup></b>	1.255"	0.930"	0.690"	2	L	2.170"	270	0.940"
<b>4718</b>	1.255"	0.920"	0.835"	1 + Damper	L	2.100"	230	0.930"
<b>6038</b>	1.255"	0.900"		1	R	2.050"	340	1.170"
<b>4437<sup>D</sup></b>	1.255"	0.920"	0.684"	2	L	2.100"	305	0.875"
<b>4845</b>	1.260"	0.880"	0.785"	1 + Damper	R	2.130"	380	1.140"
<b>4843</b>	1.265"	0.875"	0.760"	1 + Damper	R	2.015"	411	1.160"
<b>4235</b>	1.270"	0.885"	0.752"	1 + Damper	R	2.200"	390	1.080"
<b>4823</b>	1.275"	0.930"	0.850"	1 + Damper	L	2.170"	275	0.960"
<b>4330<sup>D</sup></b>	1.280"	0.926"	0.700"	2	R	1.960"	315	0.925"
<b>4334<sup>D</sup></b>	1.280"	0.950"	0.710"	2	L	2.130"	340	0.950"
<b>4335<sup>D</sup></b>	1.280"	0.950"	0.684"	2	L	2.170"	355	0.950"
<b>5080</b>	1.283"	0.930"		1	R	1.750"	240	0.930"
<b>4438<sup>D</sup></b>	1.290"	0.948"	0.690"	2	R	2.345"	365	1.050"

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<b>4207X</b> <sup>D</sup>	1.304"	0.950"	0.680"	2	R	2.300"	430	1.000"
<b>4439</b> <sup>D</sup>	1.305"	0.950"	0.690"	2	R	2.300"	375	1.020"
<b>4209X</b> <sup>D</sup>	1.324"	0.950"	0.689"	2	R	2.330"	495	1.000"
<b>5835</b> <sup>D</sup>	1.330"	0.971"	0.720"	2	R	1.920"	335	0.950"
<b>5827</b>	1.330"	0.980"		1	R	1.860"	228	0.840"
<b>5828</b> <sup>D</sup>	1.330"	0.980"	0.660"	2	R	1.860"	350	0.840"
<b>5833</b> <sup>D</sup>	1.330"	0.990"	0.760"	2	R	2.160"	330	0.900"
<b>5107</b>	1.330"	0.960"		1	R	1.920"	230	0.930"
<b>5825</b>	1.330"	0.960"		1	R	1.935"	230	0.950"
<b>5838</b> <sup>D</sup>	1.330"	0.980"	0.690"	2	R	1.930"	395	0.950"
<b>5078</b> <sup>D</sup>	1.332"	0.990"	0.715	2	L	1.835"	330	1.070"
<b>5854</b> <sup>D</sup>	1.335"	0.980"	0.690"	2	R	1.960"	410	0.900"
<b>5840</b> <sup>D</sup>	1.335"	1.000"	0.720"	2	R	1.930"	345	0.860"
<b>1025</b>	1.370"	1.005"		1	L	2.110"	265	1.030"
<b>5088</b>	1.375"	0.960"		1	R	2.050"	335	1.200"
<b>5092</b>	1.390"	1.000"		1	R	2.035"	245	1.120"
<b>7739</b>	1.420"	1.015"	0.925"	1 + Damper	R	2.160"	340	1.150"
<b>5014</b>	1.420"	1.010"		1	L	2.145"	310	1.250"
<b>5094</b>	1.420"	1.000"		1	L	2.120"	350	1.265"
<b>7734</b> <sup>D</sup>	1.425"	1.080"	0.800"	2	L	2.400"	280	1.000"
<b>7328</b> <sup>D</sup>	1.425"	1.095"	0.820"	2	L	2.380"	280	0.960"
<b>7329</b> <sup>D</sup>	1.435"	1.075"	0.800"	2	L	2.400"	285	0.945"
<b>7332</b> <sup>D</sup>	1.445"	1.090"	0.800"	2	L	2.335"	315	1.050"
<b>7736</b>	1.445"	1.040"	0.955"	1 + Damper	L	2.040"	340	1.100"
<b>7331</b> <sup>D</sup>	1.450"	1.090"	0.800"	2	L	2.350"	330	1.100"
<b>7333</b> <sup>D</sup>	1.450"	1.090"	0.820"	2	L	2.345"	330	1.050"
<b>7334</b> <sup>D</sup>	1.455"	1.080"	0.810"	2	L	2.440"	320	1.050"
<b>7342</b> <sup>D</sup>	1.460"	1.080"	0.800"	2	L	2.280"	390	1.040"
<b>7930</b> <sup>D</sup>	1.460"	1.000"	.690"	2 + Damper	L	2.360"	350	1.070"
<b>7937</b> <sup>D</sup>	1.465"	1.000"	0.720"	2 + Damper	L	2.360"	350	1.080"
<b>7733</b> <sup>D</sup>	1.465"	1.085"	0.790"	2	L	2.470"	320	1.030"

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<b>7335</b>	1.465"	1.070"		1	L	2.410"	285	1.040"
<b>7437</b> <sup>D</sup>	1.465"	1.080"	0.800"	2	L	2.260"	380	1.050"
<b>7341</b> <sup>D</sup>	1.470"	1.080"	0.800"	2	L	2.280"	430	1.050"
<b>7738</b>	1.470"	1.060"	0.960"	1 + Damper	L	2.170"	350	1.180"
<b>5077</b>	1.500"	1.080"	0.99	1 + Damper	R	1.960"	355	1.095"
<b>5091</b>	1.500"	1.080"	0.99	1 + Damper	R	1.960"	355	1.095"
<b>7737</b>	1.510"	1.086"	0.965"	1 + Damper	L	2.220"	345	1.310"
<b>5002</b>	1.510"	1.090"	0.970"	1 + Damper	L	2.200"	345	1.300"
<b>8333</b> <sup>D</sup>	1.515"	1.120"	0.800"	2	L	2.480"	350	1.210"
<b>8335</b> <sup>D</sup>	1.515"	1.120"	0.795"	2	L	2.480"	322	1.210"
<b>8337</b> <sup>D</sup>	1.515"	1.120"	0.800"	2	L	2.350"	360	1.114"
<b>8937</b> <sup>D</sup>	1.530"	1.120"	0.760"	2 + Damper	L	2.335"	390	1.180"
<b>9936</b> <sup>D</sup>	1.539"	1.120"	0.765"	2 + Damper	L	2.460"	400	1.180"
<b>9950</b> <sup>D</sup>	1.540"	1.130"	0.725"	2 + Damper	L	2.430"	485	1.150"
<b>9941</b> <sup>D</sup>	1.540"	1.025"	0.740"	2 + Damper	R	2.380"	440	1.140"
<b>9731</b>	1.550"	1.125"	1.000"	1 + Damper	L	2.460"	320	1.180"
<b>4910</b> <sup>D</sup>	1.550"	1.150"	0.800"	2	R	2.460"	555	1.110"
<b>9945</b> <sup>D</sup>	1.560"	1.010"	0.690"	2 + Damper	L	2.475"	460	1.200"
<b>4920</b> <sup>D</sup>	1.560"	1.110"	0.780"	2	R	2.475"	620	1.180"
<b>4920</b> <sup>D</sup>	1.560"	1.090"	0.775"	2	R	2.475"	620	1.180"

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