

# VALVE SPRINGS IDENTIFICATION CHART

PartNo.	Free Length	OutSide Diameter	Inside Diameter	Wire Size	Closed		Open		Number Of Coils Left Or Right Hand	Solid Height
					Position	Pressure And Length	Position	Pressure And Length		
466114	2.3800	1.430	1.076	0.180	195-215 @	1.20	100-110 @	1.750	6.50 LH	1.0860
466124	1.9090	1.384	0.804	0.128	N/A		46-56 @	1.412	6.50 LH	0.8250
466134	2.1700	N/A	1.055/1.060	0.162	N/A		74-84 @	1.562	6.00 RH	0.9750
466154	2.3500	1.55	1.125	0.192	225-255 @	1.25	123-140 @	1.75	6.50 LH	1.2250
466164	2.1150	1.138	0.780/0.810	0.148	138-158 @	1.125	68-77 @	1.625	7.25 RH	1.1100
466174	2.1550	1.475	1.061	0.207	N/A		160-180 @	1.60	6.00 LH	1.1250
466204	2.0400	1.260	0.876	0.192	273-297 @	1.21	104-116 @	1.70	6.50 RH	1.1600
466224	2.4000	1.539	1.125	0.207	273-301 @	1.375	123.5-136.5 @	1.937	6.00 LH	1.2000
466274	2.2370	1.080/1.090	N/A	0.142	144-160 @	1.087	68.5-76.5 @	1.687	7.00 RH	1.0000
466354	2.1200	1.215	0.857	0.177	220-240 @	1.300	85-95 @	1.800	6.75 RH	1.1940
466364	N/A	1.260	0.876	N/A	N/A		N/A		N/A	N/A
466434	2.0200	1.435	1.035	0.200	260-290 @	1 3/16	103-117 @	1 11/16	5.70 LH	1.1250
466444	2.3800	1.437	1.075	0.180	195-215 @	1.250	100-110 @	1.750	6.50 LH	1.0860
VS-100	N/A	N/A	N/A	N/A	N/A		N/A		N/A	N/A
VS-110	2.0300	1.212/1.228	0.872/888	0.170	76-84 @	1.696	155-165 @	1.366	7.25 RH	1.1900
VS-120	1.9680	1.382	1.058	0.162	55-61 @	1.533	98-106 @	1.203	6.09 RH	1.0200
VS-130	1.7600	1.2030	0.9630	0.120	23-29 @	1.483	54-60 @	1.153	8.00 LH	0.9600
VS-140	2.0900	1.354/1.374	1.00/1.02	0.177	71-79 @	1.78	161-177 @	1.39	7.00 LH	1.3000
VS-150	2.0000	1.394/1.414	1.01/1.03	0.192	78-88 @	1.6875	172-184 @	1.3125	6.25 LH	1.2031
VS-160	2.2600	1.428/1.448	1.052/1.072	0.188	94-104 @	1.820	180-198 @	1.420	6.50 LH	1.2500
VS-170	2.1090	1.2200	0.8800	0.170	76-89 @	1.696	183.5-203 @	1.306	6.90 RH	1.1250
VS-190	1.9840	1.406	1.066	0.170	56-62 @	1.531	N/A		6.50 LH	1.1050
VS-210	N/A	N/A	N/A	N/A	N/A		N/A		N/A	N/A
VS-230	2.1250	1.4531	1.0791	0.187	74-84 @	1.82	190-208 @	1.42	7.00 LH	1.3090
VS-270	2.0469	1.4375	1.0235	0.207	84-94 @	1.77	225-241 @	1.38	6.00 LH	1.2600
VS-280	2.0600	1.490/1.510	1.052/1.07	0.217/22	80-90 @	1.82	255-280 @	1.32	6.00 LH	1.2600
VS-290	1.9690	1.448	1.053	0.192	75-85 @	1.670	183-192 @	1.270	5.78 RH	1.1100
VS-310	1.7600	1.050/1.065	0.768/783	0.141	28-34 @	1.566	99-105 @	1.114	6.75 LH	0.9500
VS-320	2.0930	1.532/1.548	1.082/1.09	0.225	94-106 @	1.88	303-327 @	1.38	6.00 LH	1.3500
VS-330	2.1100	1.496/1.512	1.082/1.09	0.207	84-96 @	1.88	210-230 @	1.46	6.50 LH	1.3400
VS-340	2.1560	1.485	1.071	0.207	80-90 @	1.828	N/A		6.25 LH	1.2940
VS-350	1.8600	1.2250	0.8850	0.170	57-63 @	1.64	158-174 @	1.25	6.50 LH	1.1050
VS-360	2.5800	1.380/1.400	1.010/1.03	0.185	121-129 @	1.86	192-208 @	1.43	7.52 RH	1.3500
VS-365	2.1300	1.380/1.400	1.01/1.03	0.185	80-90 @	1.74	168-182 @	1.33	6.50 RH	1.1500
VS-370	1.9400	1.390/1.405	1.050/1.065	0.170	59-65 @	1.586	135-145 @	1.134	5.80 RH	0.9900
VS-380	2.0300	1.222/1.238	0.868/884	0.177	76-84 @	1.70	194-206 @	1.25	6.60 RH	1.1500
VS-390	1.9000	1.226/1.242	0.872/888	0.177	56-64 @	1.66	180-192 @	1.27	6.70 RH	1.1700
VS-410	2.1200	1.452/1.472	1.052/1.07	0.200	85-95 @	1.82	209-231 @	1.38	6.625 LH	1.3200
VS-420	2.0730	1.460/1.480	1.06/1.08	0.200	79-89 @	1.79	204-225 @	1.34	6.375 LH	1.2700
VS-430	2.2300	1.484/1.504	1.070/1.09	0.207	100-110 @	1.8594	236-256 @	1.3594	6.25 RH	1.2938
VS-450	1.9400	1.390/1.405	1.050/1.06	0.170	59-65 @	1.586	135-145 @	1.134	5.80 LH	0.9900
VS-460	2.2000	1.384/1.404	1.00/1.02	0.192	80-88 @	1.812	210-226 @	1.365	6.90 RH	1.3000
VS-470	2.2300	1.364/1.384	0.990/1.01	0.187	85-93 @	1.812	193-207 @	1.387	7.00 RH	1.3000
VS-480	2.3750	1.140/1.155	0.828/843	0.156	65-70 @	1.8125	115-125 @	1.4375	9.00 LH	1.3750
VS-490	2.0300	1.226/1.242	0.872/888	0.177	59-69 @	1.727	158-170 @	1.34	6.625 RH	1.2500
VS-500	2.2600	1.322/1.342	0.948/968	0.187	95-105 @	1.812	188-202 @	1.437	7.25 RH	1.3558
VS-510	2.1300	1.285/1.299	0.931/945	0.177	70-80 @	1.727	173-187 @	1.34	7.1250 LH	1.2600
VS-520	1.9850	1.285/1.299	0.931/945	0.177	65-75 @	1.727	168-182 @	1.34	7.1250 LH	1.2600
VS-540	2.2200	1.197/1.211	0.843/857	0.177	67-77 @	1.89	170-184 @	1.45	7.40 LH	1.2800
VS-550	2.2000	1.295/1.309	0.931/945	0.182	67-77 @	1.89	170-184 @	1.45	6.75 LH	1.2200
VS-570	1.9400	1.212/1.228	0.872/888	0.170	59-69 @	1.64	158-170 @	1.26	7.00 RH	1.1500
VS-580	1.9100	1.222/1.238	0.868/884	0.177	76-84 @	1.61	194-206 @	1.16	6.60 RH	1.1300
VS-584	2.0625	0.9688	0.6848	0.142	47-53 @	1.7031	96-104 @	1.4219	9.00 RH	1.3125
VS-590	1.9500	1.224/1.240	0.870/886	0.177	76-84 @	1.61	196-204 @	1.16	6.60 RH	1.1060
VS-700	2.0900	1.395/1.419	1.041/1.06	0.177	77-83 @	1.67	144-158 @	1.30	6.00 RH	1.0520
VS-720	1.9600	1.425/1.449	1.041/1.06	0.192	76-84 @	1.67	180-194 @	1.27	5.85 RH	1.1100
VS-730	2.2500	1.212/1.228	0.872/888	0.170	60-65 @	1.946	155-165 @	1.496	8.20 RH	1.3940
VS-740	2.0930	1.532/1.548	1.082/1.09	0.225	74-86 @	1.88	288-312 @	1.38	5.58 LH	1.2780

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VS-750	1.4800	1.110/1.124	0.802/0.816	0.154	47.5-52.5 @ 1.26	117.5-127.5 @ 0.95	5.75 RH	0.8600
VS-760	1.9100	1.340/1.370	0.996/1.02	0.172	60-68 @ 1.585	138-149 @ 1.222	6.125 RH	1.0540
VS-780	1.9430	1.400/1.420	1.00/1.02	0.200	76-84 @ 1.69	190-210 @ 1.31	6.1875 LH	1.2300
VS-800	1.8530	1.394	1.010	0.190	76-84 @ 1.60	190-210 @ 1.220	6.06 LH	1.1600
VS-810	2.0600	1.384/1.404	1.00/1.02	0.191/.19	71.3-78.7 @ 1.79	190-210 @ 1.34	6.9375 LH	1.2550
VS-820	2.0560	1.400/1.420	1.00/1.02	0.200	76-84 @ 1.82	214.7-237.3 @ 1.39	6.6875 LH	1.3300
VS-830	1.9650	1.395/1.425	0.995/1.02	0.200	40-50 @ 1.80	190-220 @ 1.30	6.10 LH	1.2200
VS-835	1.9700	1.452/1.472	1.052/1.07	0.200	76-84 @ 1.72	218.5-241.5 @ 1.26	6.00 LH	1.1000
VS-836	2.1000	1.450/1.470	1.050/1.07	0.200	70-80 @ 1.80	195-220 @ 1.40	6.25 LH	1.2500
VS-840	2.0680	1.390/1.410	0.990/1.01	0.200	76-84 @ 1.81	218-240 @ 1.33	6.375 LH	1.2750
VS-850	1.9900	1.4000	1.0160	0.192	76-84 @ 1.70	187-207 @ 1.30	6.00 LH	1.1520
VS-870	2.0000	1.318/1.338	0.994/1.01	0.162	48-56 @ 1.585	112-122 @ 1.22	7.25 LH	1.1500
VS-890	1.8750	1.395/1.405	1.019/1.02	0.188	77-85 @ 1.58	183-202 @ 1.18	6.00 LH	1.1200
VS-900	2.0200	1.450/1.470	1.06/1.08	0.195	73.4-80.6 @ 1.70	171-189 @ 1.28	6.25 LH	1.2200
VS-920	1.7800	0.962/.982	0.842/.862	0.120	18-22 @ 1.50	63-77 @ 1.073	7.90 RH	0.9480
VS-930	1.8500	1.314/1.334	.990/1.010	0.162	31-41 @ 1.60	126-154 @ 1.10	6.25 LH	1.0310
VS-940	2.1200	1.494/1.508	1.080/1.09	0.207	65-81 @ 1.88	228-252 @ 1.38	6.50 RH	1.2800
VS-960	2.0500	1.390/1.410	0.990/1.01	0.200	72-80 @ 1.80	191-203 @ 1.40	6.50 RH	1.2600
VS-970	2.0350	1.355/1.385	0.955/.985	0.200	65-75 @ 1.80	190-225 @ 1.40	6.50 RH	1.2250
VS-980	1.1900	1.388/1.408	1.00/1.02	0.194	80-88 @ 1.63	210-226 @ 1.183	6.00 RH	1.1000
VS-990	1.3600	0.827/.843	0.631/.647	0.098	25-29 @ 1.00	47-57 @ 0.700	6.10 RH	0.5970
VS-1000	1.6000	1.84/1.204	0.900/.920	0.142	37-42 @ 1.30	90-105 @ 0.900	5.50 RH	0.7810
VS-1010	2.3250	1.365/1.385	1.011/1.03	0.177	62-73 @ 1.90	155-185 @ 1.30	6.75 LH	1.1940
VS-1011	2.1600	1.384/1.404	1.01/1.03	0.187	108-120 @ 1.65	200-216 @ 1.22	6.50 RH	1.1650
VS-1020	1.8750	1.305/1.325	0.951/.971	0.177	51-63 @ 1.60	140-170 @ 1.20	6.50 RH	1.1500
VS-1040	2.0500	1.496/1.512	1.082/1.09	0.207	84-96 @ 1.80	210-230 @ 1.40	6.40 LH	1.2400
VS-1043	1.5060	1.326/1.342	0.984/1.00	0.169/.17	64-72 @ 1.26	167-179 @ 0.886	4.75 LH	0.8000
VS-1050	2.1000	1.226/1.242	0.872/.888	0.177	74-86 @ 1.727	170-190 @ 1.34	7.50 LH	1.2500
VS-1058	1.4600	0.910/.920	0.670/.680	0.120	11-13 @ 1.35	51-55 @ 1.00	7.00 RH	0.8400
VS-1059	1.4750	1.289/1.305	0.947/.963	0.172	25-29 @ 1.35	97-108 @ 1.05	5.25 LH	0.8870
VS-1060	1.9500	1.354/1.374	1.00/1.02	0.177	43-53 @ 1.70	150-180 @ 1.20	6.00 LH	1.0620
VS-1065	1.8770	1.332/1.352	0.990/1.01	0.171	71.3-78.7 @ 1.52	152-166 @ 1.12	6.16 RH	1.0400
VS-1070	1.7000	1.277/1.297	0.923/.943	0.176/.17	71.2-78.7 @ 1.46	170.8-18.9 @ 1.091	6.00 RH	1.0180
VS-1080	1.8200	1.332/1.352	0.948/.968	0.192	66-74 @ 1.625	205-220 @ 1.20	6.22 RH	1.1500
VS-1090	1.9350	1.287/1.313	0.947/.973	0.170	40-50 @ 1.70	129-157 @ 1.20	6.00 RH	1.0020
VS-1100	2.0100	1.424/1.454	1.04/1.07	0.192	85.1-95.02 @ 1.6	03.3-217.2 @ 1.22	5.78 RH	1.1100
VS-1110	1.8310	1.3100	0.8860	0.162	49.8-55.6 @ 1.52	122-136 @ 1.19	7.00 RH	1.1000
VS-1118	1.5390	1.324/1.340	0.984/1.00	0.170	61.5-69.7 @ 1.29	64-180 @ 0.9055	4.90 RH	0.8660
VS-1120	1.9400	1.4940	1.0800	0.207	91-101 @ 1.65	231-245 @ 1.22	5.625 RH	1.1000
VS-1130	2.0200	1.364/1.384	1.00/1.02	0.182	56-66 @ 1.73	173-193 @ 1.28	6.50 LH	1.1830
VS-1140	2.0350	1.260	0.876	0.192	75-85 @ 1.811	220-240 @ 1.390	6.60 RH	1.2780
VS-1282	1.9090	1.396	0.670	0.187	90-100 @ 1.570	213-223 @ 1.170	6.18 LH	1.0980
VS-1298	1.9670	1.320	0.837	0.177	81-89 @ 1.640	198-208 @ 1.216	6.79 RH	1.1630
VS-1301	1.9000	1.375/1.395	1.001/1.02	0.187	55-63 @ 1.75	175-205 @ 1.20	5.75 RH	1.0750
VS-1302	2.1000	1.393	1.010	0.192	74-82 @ 1.780	194-214 @ 1.330	6.50 LH	1.2600
VS-1304	2.0590	1.230	0.878	0.177	100-110 @ 1.216	207-221 @ 1.146	6.80 RH	1.1460
VS-1305	2.0870	N/A	0.950	0.182	N/A	N/A	6.80 RH	1.1810
VS-1306	1.9490	1.343	0.950	0.199	67-77 @ 1.732	218-228 @ 1.346	6.50 LH	1.2500
VS-1317	1.9600	1.33/1.361	1.129/1.16	0.163/.20	66-74 @ 1.60	168-188 @ 1.20	6.80 RH	1.1500
VS-1328	2.1600	1.394	1.020	0.187	108-116 @ 1.650	196-210 @ 1.220	6.5 RH	1.1800
VS-1330	2.0500	1.500	1.085	0.207	75-85 @ 1.800	210-220 @ 1.370	6.25 LH	1.2800
VS-1880	1.6750	1.177/1.197	0.8965/.88	0.156	24-30 @ 1.50	100-120 @ 1.10	6.40 LH	0.9980
VS-2030	1.5800	1.123/1.139	0.827/.843	0.148	16-20 @ 1.45	72-88 @ 1.10	6.75 LH	0.9990
VS-2040	1.6100	0.797/.813	0.585/.601	0.106	18-22 @ 1.40	59-71 @ 1.00	7.50 RH	0.9240
VS-2070	1.58000	1.115/1.135	0.829/.839	0.148	22-28 @ 1.40	70-85 @ 1.10	6.90 LH	1.0210
VS-2080	2.1750	1.175/1.193	0.891/.909	0.142	35-42 @ 1.20	70-86 @ 1.20	7.75 RH	1.1000
VS-2090	2.0800	1.031/1.037	0.835/.841	0.098	18-22 @ 1.60	37-45 @ 1.10	9.75 RH	0.9550
VS-2100	1.6500	0.822/.838	0.638/.654	0.092	12-15 @ 1.30	37-45 @ 0.85	8.75 RH	0.8130

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VS-2110	1.1750	0.668/.683	0.508/.523	0.080	14-18 @ 0.90	32-39 @ 0.60	6.20 RH	0.4960
VS-2130	1.3350	0.693/.707	0.509/.523	0.092	22-25 @ 1.00	34-40 @ 0.850	8.25 LH	0.7540
VS-2202	1.9680	1.30/1.33	0.988/1.01	0.156	50-60 @ 1.575	95-115 @ 1.20	7.00 RH	1.1060
VS-2203	1.7700	0.900	0.754	0.113	25.5-28.5 @ 1.38	53-59 @ 0.96	7.50 LH	0.8500
VS-2205	1.7250	0.948/.968	0.722/.742	0.113	14-17 @ 1.50	52-63 @ 1.00	7.70 LH	0.8970
VS-2206	2.0100	1.32/1.34	0.996/1.01	0.162	31-38 @ 1.75	110-130 @ 1.20	6.60 RH	1.0930
VS-2207	2.1100	1.286	0.930	0.180	86-94 @ 1.700	209-221 @ 1.291	7.00 RH	1.2400
VS-2208	1.7800	1.236	0.900	0.166	71-79 @ 1.440	160-170 @ 1.040	6.00 RH	0.9600
VS-2209	2.0310	1.233	0.900	0.166	75-84 @ 1.678	170-187 @ 1.239	7.00 RH	1.1650
VS-2210	2.2020	1.338	1.003	0.171	97-108 @ 1.522	185-196 @ 1.172	6.00 RH	1.1550
VS-2211	1.8400	1.303	0.933	0.182	61-69 @ 1.577	172-188 @ 1.156	5.90 LH	1.0500
VS-2212	2.0200	1.425	1.041	0.192	81-89 @ 1.660	188-202 @ 1.260	6.10 LH	1.1710
VS-2213	1.9300	1.473	1.088	0.192	64-74 @ 1.701	194-214 @ 1.280	6.40 RH	1.2200
VS-2214	1.8500	1.314	0.960	0.177	71-79 @ 1.500	176-188 @ 1.088	5.90 RH	1.0200
VS-2215	1.9600	1.389	1.010	0.185	67-73 @ 1.640	170-180 @ 1.240	6.20 LH	1.1400
VS-2216	1.7800	1.383	1.010	0.182	67-73 @ 1.470	168-182 @ 1.070	5.87 LH	1.0100
VS-2218	1.9020	1.274	0.933	0.173	89-97 @ 1.460	207-223 @ 1.016	6.00 RH	0.9760
VS-2219	2.0300	1.236	0.880	0.177	59-69 @ 1.727	158-170 @ 1.340	6.58 RH	1.2500
VS-2220	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VS-2221	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VS-2222	1.9810	1.249	0.895	0.177	80 @ 1.720	210 @ 1.230	7.00 LH	1.2300
VS-2223	2.1300	1.352	1.012	0.170	60 @ 1.730	130 @ 1.330	6.75 RH	1.1480
VS-2225								
VS-2226	1.9640	1.020/1.252	0.646/0.878	0.187	75 @ 1.720	228 @ 1.277	6.60 LH	1.2340
VS-2228	2.0160	1.300	0.901	0.199	85 @ 1.780	255 @ 1.330	6.55	1.2800
VS-2229	2.0210	1.250	0.876	0.177	80 @ 1.700	255 @ 1.330	6.55	1.2000
VS-2230	1.9050	0.892	0.740	0.152	136.5 @ 1.171	75.0 @ 1.496	7.60 LH	1.1120
VS-2231	1.9020	TAPER	TAPER	0.148	N/A	N/A	N/A	1.1110
VS-2232	1.9750	TAPER	TAPER	0.160	206.8 @ 1.151	85.4 @ 1.802	7.30 RH	1.1100
VS-2234	1.8550	0.821	0.665	0.156	75	1.496	N/A	N/A
VS-2235	1.7500	1.000	0.745	0.170	75	1.496	N/A	N/A
VS-2237	1.6800	TAPER	TAPER	0.129	35	1.375	N/A	N/A
VS-2238	1.6750	TAPER	TAPER	0.124	30	1.375	N/A	N/A
VS-2239	1.6940	1.212	0.824	.155 x .191	63	1.437	N/A	N/A
VS-2243	2.1000	0.985	0.634	.144 x .170	N/A	N/A	N/A	N/A
VS-2244	2.0580	1.30/00.997	0.964/0.670	0.169	7.00 RH	1.062	N/A	N/A
VS-2246	1.8090	0.978	0.533 x 0.711	0.130	40 @ 1.50	100 @ 1.062	7.50 RH	0.8900
VS-2247	1.8440	0.974	0.580 x 0.711	0.130	40	1.500	N/A	N/A
VS-2250	1.9220	0.805 x 0.950	0.592 x 0.725	0.110	40	1.250	N/A	N/A
VS-2254	2.2750	1.046 x 1.263	0.673 x 0.878	0.160 x 0.192	110	1.812	N/A	N/A
VS-2255	2.1280	TAPER	TAPER	0.187	N/A	N/A	6.5 RH	1.2280
VS-2256	1.9020	0.942	0.648	0.148	80.9 @ 1.468	152 @ 1.226	8.00 RH	1.1910
VS-2258	1.8700	TAPER	TAPER	0.127	N/A	N/A	6.60 RH	1.0700
VS-2259	2.0500	TAPER	TAPER	0.207	75# @ 1.840	250# @ 1.348	6.3 RH	1.2700
VS-2260	2.1060	0.897	0.637	0.130	44 @ 1.709	227 @ 1.492	7.50 RH	1.3730
VS-2261	1.9710	0.921	0.638	0.142	44 @ 1.709	123 @ 1.335	8.50 RH	1.2250
VS-2262	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A