

Stock number	Inside diameter (inches)	Convolution O.D. (inches)	Effective area (square Inche)	Material thickness (inches)	Maximum convoluted length (inches)	Maximum pressure (PSI)	Stability* pressure (PSI)	Axial* spring rate (lbs/in.)	Lateral* spring rate (lbs/in.)	Axial* deflection +or- for 2,000 cycles (inches)
1	2	3	4	5	6	7	8	9	10	11
7513B	1	1.33	1.09	0.005	6	64	108	138	0.23	0.42
7513D				0.006		90	180	227	0.36	0.36
7513G				0.008		153	397	523	0.83	0.25
7513J				0.010		237	792	1013	1.53	0.19
7514B	1.05	1.43	1.21	0.005	6	64	108	94	0.21	0.43
7514D				0.006		88	180	157	0.35	0.35
7514G				0.008		153	433	364	0.82	0.24
7514J				0.010		237	828	708	1.51	0.19
7515B	1.063	1.44	1.23	0.005	6	64	108	96	0.23	0.42
7515D				0.006		88	180	158	0.37	0.35
7515G				0.008		153	432	358	0.84	0.24
7515J				0.010		237	828	675	1.59	0.19
7516D	1.125	1.5	1.35	0.006	6	88	180	172	0.45	0.35
7516G				0.008		153	432	382	0.99	0.24
7516J				0.010		238	664	743	1.92	0.18
7516K				0.012		348	1548	1223	3.16	0.15
7517D	1.188	1.59	1.51	0.006	6	78	180	175	0.51	0.38
7517G				0.008		133	396	399	1.16	0.26
7517J				0.010		207	792	736	2.13	0.20
7517K				0.012		309	1512	1267	3.67	0.16
7518D	1.25	1.65	1.65	0.006	8	78	180	193	0.61	0.37
7518G				0.008		132	432	414	1.31	0.26
7518J				0.010		208	830	789	2.49	0.20
7518K				0.012		306	1476	1325	4.18	0.16
7519D	1.312	1.71	1.79	0.006	8	76	180	197	0.67	0.37
7519G				0.008		132	432	447	1.53	0.26
7519J				0.010		208	864	835	2.86	0.20
7519K				0.012		307	1548	1439	4.93	0.16
7520D	1.375	1.78	1.95	0.006	8	76	216	198	0.74	0.36
7520G				0.008		132	468	455	1.70	0.26
7520J				0.010		210	1512	845	3.15	0.19
7520K				0.012		307	1620	1446	5.40	0.16
7521D	1.437	1.84	2.13	0.006	8	76	216	181	0.74	0.36
7521G				0.008		133	504	418	1.70	0.26
7521J				0.010		211	972	759	3.10	0.19
7521K				0.012		309	1692	1326	5.41	0.16
7521L				0.014		429	2700	2052	8.37	0.13
7522D	1.5	2	2.33	0.006	8	43	108	156	0.70	0.45
7522G				0.008		73	1512	363	1.62	0.38
7522J				0.010		118	540	678	3.03	0.30
7522K				0.012		172	936	1184	5.29	0.24
7522L				0.014		240	1512	1844	8.23	0.20
7523D	1.625	2.13	2.77	0.006	8	42	108	157	0.83	0.45
7523G				0.008		75	288	327	1.73	0.38
7523J				0.010		118	576	640	3.38	0.30
7523K				0.012		174	1008	1087	5.75	0.24
7523L				0.014		243	1620	1665	8.81	0.20

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1	2	3	4	5	6	7	8	9	10	11
7524D	1.66	2.15	2.85	0.006	8	45	128	175	0.95	0.45
7524G				0.008		79	321	378	2.06	0.37
7524J				0.010		126	641	711	3.87	0.29
7524K				0.012		184	1090	1183	6.44	0.23
7524L				0.014		256	1792	1893	10.31	0.19
7525D	1.75	2.33	3.14	0.006	8	28	64	166	1.00	0.45
7525G				0.008		49	192	373	2.24	0.44
7525J				0.010		78	384	705	4.23	0.42
7525K				0.012		112	640	1169	7.01	0.34
7525L				0.014		156	1026	1870	11.22	0.29
7526D	1.875	2.43	3.64	0.006	8	28	64	134	0.93	0.45
7526G				0.008		49	192	296	2.06	0.44
7526J				0.010		78	385	552	3.84	0.41
7526K				0.012		114	704	945	6.57	0.33
7526L				0.014		157	1088	1472	10.23	0.28
7527D	1.9	2.5	3.8	0.006	8	36	128	107	0.78	0.47
7527G				0.008		58	256	237	1.72	0.44
7527J				0.010		88	512	460	3.34	0.33
7527K				0.012		126	896	786	5.71	0.27
7527L				0.014		174	1472	1187	8.62	0.23
7528D	2	2.65	4.15	0.006	10	28	100	112	0.89	0.47
7528G				0.008		48	200	258	2.05	0.46
7528J				0.010		72	400	470	3.74	0.38
7528K				0.012		102	800	822	6.53	0.31
7528L				0.014		141	1200	1270	10.08	0.26
7529D	2.125	2.78	4.72	0.006	10	34	100	92	0.84	0.47
7529G				0.008		37	300	204	1.85	0.45
7529J				0.010		85	600	397	3.58	0.35
7529K				0.012		120	1000	693	6.26	0.28
7529L				0.014		162	1600	1039	9.38	0.23
7530D	2.25	2.9	5.21	0.006	10	34	100	126	1.26	0.47
7530G				0.008		37	300	281	2.80	0.45
7530J				0.010		85	600	522	5.19	0.34
7530K				0.012		120	1100	874	8.69	0.27
7530L				0.014		163	1700	1370	13.60	0.22
7531D	2.375	3.02	5.71	0.006	10	34	200	135	1.48	0.47
7531G				0.008		55	300	302	3.30	0.45
7531J				0.010		85	700	569	6.22	0.34
7531K				0.012		120	1100	962	10.51	0.27
7531L				0.014		162	1800	1469	16.04	0.22
7531N	0.018	271	3800	3051	33.31	16				
7532D	2.5	3.15	6.26	0.006	10	58	200	139	1.66	0.47
7532G				0.008		55	400	309	3.70	0.44
7532J				0.010		84	700	583	6.98	0.34
7532K				0.012		120	1200	984	11.79	0.27
7532L				0.014		162	1800	1538	18.41	0.22
7532N	0.018	273	3900	3122	37.38	16				

Note

- *(1) Columns 8, 9, 10 & 11 apply to 1" convoluted length. Refer to the explanation of tables (page 5) for correction to a specific convoluted length.
- (2) For the correct value of lateral spring rate (Column 10) multiply the tabulated value by 1000 and apply the correction for convoluted length explained on page 5.

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1	2	3	4	5	6	7	8	9	10	11
7533D	2.625	3.28	6.84	0.006	10	33	200	149	1.96	0.47
7533G				0.008		55	400	306	4.01	0.44
7533J				0.010		84	700	595	7.79	0.33
7533K				0.012		120	1200	985	12.89	0.27
7533L				0.014		163	1900	1571	20.54	0.22
7533N				0.018		273	3800	3574	46.65	0.16
7534D	2.75	3.4	7.42	0.006	10	33	200	153	2.18	0.47
7534G				0.008		55	400	340	4.83	0.43
7534J				0.010		84	700	637	9.04	0.33
7534K				0.012		120	1300	1050	14.90	0.27
7534L				0.014		163	2000	1674	23.75	0.22
7534N				0.018		274	3900	3740	53.04	0.16
7535D	2.875	3.5	7.97	0.006	10	36	200	178	2.73	0.47
7535G				0.008		60	500	396	6.05	0.40
7535J				0.010		93	900	742	11.32	0.31
7535K				0.012		132	1500	1257	19.17	0.24
7535L				0.014		180	2400	1996	30.43	0.20
7535N				0.018		274	4100	3905	59.98	0.16
7536D	3	3.75	8.94	0.006	10	26	100	130	2.23	0.47
7536G				0.008		42	300	274	4.70	0.46
7536J				0.010		64	600	525	8.98	0.40
7536K				0.012		90	1002	875	14.96	0.32
7536L				0.014		121	1600	1367	23.36	0.26
7536N				0.018		202	3507	2824	48.27	0.19
7537D	3.125	3.88	9.63	0.006	10	25	200	132	2.44	0.47
7537G				0.008		42	301	291	5.35	0.47
7537J				0.010		64	601	527	9.70	0.39
7537K				0.012		90	1100	890	16.39	0.31
7537L				0.014		121	1700	1390	25.59	0.26
7537N				0.018		202	3600	2873	52.88	0.19
7538D	3.25	4.02	10.37	0.006	10	24	100	150	2.98	0.47
7538G				0.008		39	300	355	7.05	0.47
7538J				0.010		60	600	639	12.67	0.41
7538K				0.012		84	1000	1037	20.57	0.33
7538L				0.014		112	1600	1620	32.11	0.27
7538N				0.018		189	3500	3345	66.31	0.20
7539D	3.375	4.17	11.11	0.006	10	24	200	152	3.24	0.48
7539G				0.008		40	400	361	7.67	0.47
7539J				0.010		60	700	648	13.78	0.43
7539K				0.012		84	1100	1081	22.97	0.33
7539L				0.014		112	1800	1682	35.73	0.27
7539N				0.018		184	3700	3396	72.12	0.20
7540D	3.5	4.3	11.94	0.006	10	24	200	143	3.28	0.48
7540G				0.008		40	400	340	7.77	0.47
7540J				0.010		60	700	611	13.95	0.41
7540K				0.012		84	1200	998	22.78	0.33
7540L				0.014		112	1800	1553	35.44	0.27
7540N				0.018		184	3200	3257	74.32	0.22
7540R				0.025		366	9700	9146	209.11	0.13