

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
7541D				0.006		21	144	123	3.04	0.48
7541G				0.008		35	310	280	6.92	0.46
7541J				0.010		51	578	513	12.64	0.45
7541K	3.625	4.48	12.89	0.012	10	72	1020	851	20.97	0.36
7541L				0.014		97	1597	1319	32.50	0.30
7541N				0.018		159	3371	2761	68.02	0.22
7541R				0.025		313	8400	7903	194.83	0.15
7542D				0.006		21	200	129	3.38	0.48
7542G				0.008		34	300	294	7.70	0.47
7542J				0.010		51	600	537	14.07	0.45
7542K	3.75	4.6	13.68	0.012	10	72	1000	916	23.96	0.36
7542L				0.014		97	1600	1415	37.00	0.30
7542N				0.018		159	3500	2946	77.04	0.22
7542R				0.025		313	8700	8170	214.05	0.15
7543D				0.006		21	200	130	3.63	0.48
7543G				0.008		34	300	298	8.28	0.47
7543J				0.010		51	600	544	15.13	0.45
7543K	3.875	4.73	14.53	0.012	10	72	1100	927	25.77	0.36
7543L				0.014		97	1700	1432	39.79	0.30
7543N				0.018		159	3600	2983	82.85	0.22
7543R				0.025		313	9000	8438	234.49	0.15
7544D				0.006		16	100	102	3.12	0.48
7544G				0.008		27	300	233	7.10	0.47
7544J				0.010		39	500	460	13.98	0.47
7544K	4	5	15.9	0.012	10	54	900	740	22.49	0.44
7544L				0.014		72	1300	1146	34.82	0.37
7544N				0.018		117	2700	2347	71.30	0.27
7544R				0.025		225	6700	6338	195.50	0.18
7545D				0.006		16	100	103	3.34	0.48
7545G				0.008		27	300	246	7.92	0.47
7545J				0.010		39	500	448	14.40	0.47
7545K	4.125	5.13	16.81	0.012	10	54	900	750	24.09	0.45
7545L				0.014		72	1400	1161	37.30	0.36
7545N				0.018		117	2800	2378	76.38	0.27
7545R				0.025		225	6900	6532	209.56	0.18
7546D				0.006		16	100	108	3.67	0.48
7546G				0.008		27	300	256	8.69	0.47
7546J				0.010		39	500	482	16.32	0.47
7546K	4.25	5.25	17.71	0.012	10	54	900	802	27.16	0.44
7546L				0.014		72	1400	1210	40.95	0.37
7546N				0.018		117	2900	2477	83.86	0.27
7546R				0.025		225	7100	6724	227.58	0.18
7547D				0.006		16	100	109	3.91	0.48
7547G				0.008		27	300	259	9.27	0.47
7547J				0.010		39	600	487	17.41	0.47
7547K	4.375	5.38	18.67	0.012	10	54	900	788	28.14	0.44
7547L				0.014		72	1400	1234	44.05	0.36
7547N				0.018		117	3000	2506	89.44	0.27
7547R				0.025		225	7300	6918	246.61	0.18

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.

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
7548G	4.5	5.5	19.62	0.008	10	26	300	270	10.14	0.47
7548J				0.010		39	600	507	19.04	0.47
7548K				0.012		54	900	820	30.77	0.43
7548L				0.014		72	1300	1284	48.16	0.36
7548N				0.018		78	3100	2600	97.52	0.27
7548R				0.025		226	8200	6697	251.15	0.18
7549G	4.625	5.63	20.6	0.008	10	25	300	273	10.77	0.47
7549J				0.010		39	600	493	19.48	0.47
7549K				0.012		54	1000	828	32.69	0.43
7549L				0.014		72	1500	1297	51.17	0.36
7549N				0.018		115	3100	2627	103.61	0.27
7549R				0.025		226	8500	6766	266.84	0.18
7550G	4.75	5.75	21.6	0.008	10	25	300	283	11.74	0.47
7550J				0.010		39	600	513	21.22	0.47
7550K				0.012		54	1000	861	35.62	0.43
7550L				0.014		72	1500	1348	55.76	0.36
7550N				0.018		115	3200	2730	112.90	0.27
7550R				0.025		174	8700	7121	294.44	0.19
7551G	4.875	5.88	22.7	0.008	10	25	300	286	12.42	0.47
7551J				0.010		39	600	517	22.47	0.47
7551K				0.012		54	1000	869	37.71	0.43
7551L				0.014		72	1600	1360	59.03	0.36
7551N				0.018		115	3300	2755	119.52	0.27
7551R				0.025		226	8900	7186	311.72	0.18
7552G	5	6	23.8	0.008	10	25	300	297	13.49	0.47
7552J				0.010		37	600	537	24.40	0.46
7552K				0.012		54	1000	902	40.95	0.42
7552L				0.014		72	1600	1373	62.34	0.36
7552N				0.018		115	3400	2911	132.10	0.27
7552R				0.025		228	9100	7460	338.54	0.18
7553G	5.25	6.25	25.9	0.008	10	25	300	298	14.82	0.47
7553J				0.010		37	600	563	27.94	0.47
7553K				0.012		52	1100	954	47.35	0.42
7553L				0.014		70	1700	1468	72.85	0.35
7553N				0.018		117	3500	3043	150.94	0.26
7553R				0.025		228	8800	8266	409.94	0.18
7553S	0.030	333	15500	14534	720.80	0.14				
7554G	5.5	6.5	28.3	0.008	10	17	400	324	17.52	0.47
7554J				0.010		37	700	587	31.75	0.47
7554K				0.012		52	1100	996	53.80	0.40
7554L				0.014		70	1800	1532	82.77	0.35
7554N				0.018		117	3700	3175	171.50	0.26
7554R				0.025		228	9200	8650	467.09	0.18
7554S	0.030	333	16200	15216	821.65	0.14				
7555G	5.563	6.56	28.8	0.008	10	25	369	330	18.22	0.45
7555J				0.010		37	640	599	33.03	0.45
7555K				0.012		52	1100	1015	55.98	0.40
7555L				0.014		70	1800	1562	86.11	0.34
7555N				0.018		117	3700	3237	178.42	0.24
7555R				0.025		228	10800	8401	463.06	0.16
7555S	0.030	333	16400	15388	848.46	0.14				

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1	2	3	4	5	6	7	8	9	10	11
7556G				0.008		19	300	337	19.80	0.47
7556J				0.010		30	500	612	35.89	0.47
7556K				0.012		42	900	1037	60.81	0.46
7556L	5.75	6.85	30.7	0.014	10	55	1400	1596	93.55	0.41
7556N				0.018		91	3000	3366	197.24	0.31
7556R				0.025		178	8000	8693	509.40	0.21
7556S				0.030		261	12800	12008	714.85	0.17
7557G				0.008		22	400	337	21.74	0.48
7557J				0.010		34	700	654	42.12	0.47
7557K				0.012		48	1200	1066	68.66	0.44
7557L	6	7.1	33.7	0.014	10	64	1800	1571	101.13	0.37
7557N				0.018		103	3800	3278	210.96	0.27
7557R				0.025		198	10500	8341	536.78	0.18
7557S				0.030		289	16100	15119	972.95	0.15
7558G				0.008		22	400	350	24.32	0.48
7558J				0.010		34	700	679	47.13	0.47
7558K				0.012		48	1200	1068	74.08	0.44
7558L	6.25	7.35	36.3	0.014	10	64	1900	1631	113.16	0.37
7558N				0.018		103	3900	3371	233.83	0.27
7558R				0.025		198	10700	8768	608.19	0.18
7558S				0.030		289	16800	15757	1092.90	0.15
7559G				0.008		22	400	363	27.10	0.48
7559J				0.010		34	800	668	49.80	0.47
7559K				0.012		48	1300	1107	82.55	0.44
7559L	6.5	7.6	39	0.014	10	63	2000	1691	126.10	0.37
7559N				0.018		103	4000	3495	260.58	0.27
7559R				0.025		199	10900	9090	677.76	0.18
7559S				0.030		291	17500	16395	1222.29	0.15
7560G				0.008		22	400	365	28.24	0.48
7560J				0.010		34	800	670	51.84	0.47
7560K				0.012		48	1300	1112	85.96	0.44
7560L	6.625	7.73	40.4	0.014	10	63	2000	1737	134.22	0.37
7560N				0.018		103	4100	3510	271.24	0.27
7560R				0.025		199	11000	9130	705.54	0.18
7560S				0.030		291	17800	16714	1290.64	0.15
7561G				0.008		22	400	376	30.09	0.48
7561J				0.010		34	800	691	55.29	0.47
7561K				0.012		48	1300	1146	91.65	0.44
7561L	6.75	7.85	41.8	0.014	10	63	2000	1766	141.21	0.37
7561N				0.018		102	4200	3619	289.29	0.27
7561R				0.025		199	10300	9661	772.27	0.18
7561S				0.030		291	18100	17032	1361.48	0.15
7562G				0.008		22	400	389	33.29	0.48
7562J				0.010		34	800	715	61.17	0.47
7562K				0.012		48	1300	1175	100.47	0.44
7562L	7	8.1	44.7	0.014	10	63	2100	1827	156.22	0.36
7562N				0.018		102	4300	3743	320.04	0.27
7562R				0.025		199	11100	9260	791.86	0.18
7562S				0.030		291	16000	17507	1496.97	0.15

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.