

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
7563G	7.5	8.7	50.9	0.008	10	16	300	415	40.35	0.48
7563J				0.010		25	600	758	73.75	0.47
7563K				0.012		34	1000	1252	121.79	0.47
7563L				0.014		46	1500	1948	189.36	0.45
7563N				0.018		75	3200	3955	384.51	0.33
7563R				0.025		144	9100	9873	959.76	0.23
7563S				0.030		210	14100	18855	1832.84	0.18
7564G	8	9.25	58.4	0.008	10	16	300	310	34.63	0.48
7564J				0.010		24	600	556	62.15	0.47
7564K				0.012		34	1000	940	104.98	0.47
7564L				0.014		46	1600	1441	160.90	0.44
7564N				0.018		75	3400	2973	331.75	0.33
7564R				0.025		145	9500	7774	867.55	0.23
7564S				0.030		211	14200	14847	1656.75	0.18
7565G	8.25	9.5	61.8	0.008	10	16	300	307	36.28	0.48
7565J				0.010		24	600	573	67.71	0.47
7565K				0.012		34	1100	968	114.37	0.47
7565L				0.014		46	1700	1483	175.31	0.44
7565N				0.018		75	3500	3112	367.75	0.33
7565R				0.025		145	9600	8000	945.19	0.23
7565S				0.030		211	14100	14609	1726.06	0.18
7566G	8.5	9.75	65.4	0.008	10	16	400	315	39.44	0.48
7566J				0.010		24	700	590	73.73	0.47
7566K				0.012		34	1100	995	124.31	0.44
7566L				0.014		45	1700	1525	190.54	0.44
7566N				0.018		75	3600	3200	399.71	0.33
7566R				0.025		145	9700	8225	1027.34	0.23
7566S				0.030		211	14100	15020	1876.07	0.18
7567G	8.63	9.88	67.2	0.008	10	16	400	320	41.14	0.48
7567J				0.010		24	700	598	76.93	0.47
7567K				0.012		34	1100	1009	129.70	0.46
7567L				0.014		45	1700	1547	198.80	0.44
7567N				0.018		75	3700	3245	417.03	0.33
7567R				0.025		145	9700	8342	1071.88	0.23
7567S				0.030		211	14100	15234	1957.40	0.18
7568J	8.75	10	69	0.010	10	24	700	606	79.96	0.47
7568K				0.012		34	1100	1022	134.81	0.46
7568L				0.014		45	1800	1567	206.63	0.44
7568N				0.018		75	3700	3287	433.47	0.33
7568R				0.025		145	9700	8556	1128.04	0.22
7568S				0.030		211	14000	15432	2034.53	0.18
7569J	9	10.25	72.7	0.010	10	24	700	622	86.53	0.47
7569K				0.012		34	1200	1049	145.89	0.46
7569L				0.014		45	1800	1609	223.61	0.44
7569N				0.018		75	3800	3375	469.08	0.33
7569R				0.025		145	9800	8784	1220.71	0.22
7569S				0.030		211	14000	16003	2223.84	0.18
7570J	9.5	10.75	80.5	0.010	10	24	700	655	100.73	0.47
7570K				0.012		34	1200	1073	165.14	0.47
7570L				0.014		45	1900	1695	260.73	0.43
7570N				0.018		75	4200	3434	528.20	0.32
7570R				0.025		145	9800	9240	1421.01	0.22
7570S				0.030		226	14600	16834	2588.72	0.17

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1	2	3	4	5	6	7	8	9	10	11
7571J	10	11.25	89	0.010	12	24	720	677	114.75	0.47
7571K				0.012		33	1296	1126	190.83	0.47
7571L				0.014		45	2016	1779	301.30	0.43
7571N				0.018		75	4176	3667	620.96	0.32
7571R				0.025		145	11520	9817	1662.54	0.22
7571S				0.030		211	16992	17843	3021.50	0.18
7572J	10.25	11.5	93	0.010	12	24	720	693	123.04	0.46
7572K				0.012		33	1296	1183	209.96	0.45
7572L				0.014		45	2016	1821	323.07	0.43
7572N				0.018		75	4320	3753	665.83	0.32
7572R				0.025		145	11664	9609	1704.68	0.22
7572S				0.030		211	16992	18263	3239.84	0.19
7573J	10.5	11.75	97	0.010	12	24	720	709	131.72	0.47
7573K				0.012		33	1296	1210	224.77	0.47
7573L				0.014		45	2016	1863	345.87	0.43
7573N				0.018		75	4464	3839	712.82	0.32
7573R				0.025		145	11664	9830	1824.97	0.22
7573S				0.030		213	16848	18682	3468.45	0.18
7574J	10.75	12	102	0.010	12	24	739	692	134.33	0.47
7574K				0.012		33	1296	1212	235.40	0.47
7574L				0.014		45	2160	1904	369.71	0.43
7574N				0.018		75	4464	3925	761.96	0.32
7574R				0.025		145	11664	10051	1950.79	0.22
7574S				0.030		213	16848	19102	3707.58	0.18
7574T	0.036	313	34800	32670	6340.84	0.15				
7575J	11	12.25	106	0.010	12	24	864	741	150.29	0.47
7575K				0.012		33	1440	1239	251.26	0.47
7575L				0.014		45	2160	1946	394.63	0.43
7575N				0.018		75	4608	4012	813.31	0.32
7575R				0.025		145	11808	10272	2082.26	0.22
7575S				0.030		213	16704	19717	3997.02	0.18
7575T	0.036	313	35700	33436	6777.77	0.15				
7576J	11.5	12.75	115	0.010	12	24	864	751	165.82	0.47
7576K				0.012		33	1440	1292	285.10	0.47
7576L				0.014		45	2304	2030	447.77	0.42
7576N				0.018		75	5040	4184	922.83	0.32
7576R				0.025		145	11808	10713	2362.66	0.22
7576S				0.030		213	16560	20565	4535.26	0.18
7576T	0.036	313	37300	34966	7710.81	0.15				
7577J	12	13.25	125	0.010	12	24	864	782	187.20	0.47
7577K				0.012		33	1440	1346	321.84	0.45
7577L				0.014		45	2304	2114	505.48	0.42
7577N				0.018		75	5328	4357	1041.77	0.32
7577R				0.025		145	11808	11293	2700.23	0.22
7577S				0.030		213	16272	21413	5119.78	0.18
7577T	0.036	315	38900	36496	8725.61	0.14				

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 +- for 2,000 cycles (inches)
1	2	3	4	5	6	7	8	9	10	11
7578J				0.010		28	1160	1088	270.12	0.48
7578K				0.012		39	1900	1784	443.27	0.45
7578L				0.014		52	2900	2756	684.35	0.37
7578N	12.25	13.5	130	0.018	12	85	6000	5658	1405.49	0.25
7578R				0.025		166	16100	15138	3760.03	0.19
7578S				0.030		243	28300	26502	6583.06	0.16
7578T				0.036		355	49800	46604	11576.60	0.13
7579J				0.010		18	721	696	183.42	0.48
7579K				0.012		25	1296	1136	299.20	0.48
7579L				0.014		34	2016	1747	460.20	0.47
7579N	12.5	14	138	0.018	12	54	4176	3647	960.62	0.37
7579R				0.025		105	9792	9325	2455.76	0.26
7579S				0.030		153	13838	17723	4667.31	0.21
7579T				0.036		222	30300	28312	7461.48	0.17
7580J				0.010		9	288	336	94.99	0.48
7580K				0.012		13	588	565	159.90	0.48
7580L				0.014		16	865	872	246.41	0.47
7580N	12.75	14.75	148	0.018	12	27	1872	1756	496.33	0.47
7580R				0.025		51	4900	4584	1295.51	0.43
7580S				0.030		73	9072	8755	2474.03	0.35
7580T				0.036		108	13500	12718	3602.92	0.19
7581N				0.018		27	2304	2100	720.65	0.48
7581R				0.025		48	3632	5037	1728.69	0.43
7581S	14	16.25	180	0.030	16	69	9472	9327	3200.63	0.35
7581T				0.036		97	17152	15372	5274.90	0.28
7581W				0.048		172	32000	33161	11379.00	0.20
7582N				0.018		25	2560	2309	1015	0.48
7582R				0.025		48	6400	5655	2487	0.39
7582S	16	18.25	230	0.030	16	67	11520	10556	4643	0.34
7582T				0.036		96	17920	17699	7786	0.27
7582X				0.048		174	31232	42064	18504	0.20
7583N				0.018		25	2816	2527	1386	0.48
7583R				0.025		48	7424	6265	3437	0.41
7583S				0.030		67	12288	11748	6445	0.34
7583T	18	20.25	287	0.036	16	96	18176	19932	10936	0.27
7583W				0.040		120	22016	24352	13360	0.24
7583X				0.048		174	29952	47563	26095	0.19
7584N				0.018		19	2250	2018	1367	0.48
7584R				0.025		36	6075	5179	3508	0.47
7584S				0.030		52	10125	9644	6532	0.40
7584T	20	22.5	354	0.036	15	75	15300	15829	10721	0.32
7584W				0.040		93	18675	19983	13535	0.29
7584X				0.048		133	25425	39029	26436	0.23
7584Z				0.060		235	38025	74622	50544	0.17

Note

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