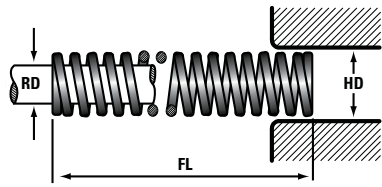


Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/8	3/16	3/4	9-0603-11	8.4	16	0.19	19	0.23	25	0.30	32	0.38
		1	9-0604-11	6.3	16	0.25	19	0.30	25	0.40	35	0.52
		1 1/4	9-0605-11	5.0	16	0.31	19	0.38	25	0.50	36	0.67
		1 1/2	9-0606-11	4.2	16	0.37	19	0.45	25	0.60	37	0.80
		1 3/4	9-0607-11	3.6	16	0.43	19	0.52	25	0.69	37	0.96
		2	9-0608-11	3.1	15	0.50	18	0.60	25	0.80	36	1.08
		2 1/2	9-0610-11	2.6	16	0.63	19	0.76	26	1.01	38	1.45
		3	9-0612-11	2.1	16	0.75	19	0.90	25	1.20	39	1.70
		12	9-0648-11	0.5	15	3.00	18	3.60	24	4.80	34	6.84
1/2	9/32	3/4	9-0803-11	14.5	27	0.19	33	0.23	44	0.30	57	0.39
		1	9-0804-11	10.9	27	0.25	32	0.30	43	0.40	58	0.54
		1 1/4	9-0805-11	9.4	30	0.31	36	0.38	47	0.50	68	0.72
		1 1/2	9-0806-11	7.8	29	0.37	35	0.45	47	0.60	68	0.87
		1 3/4	9-0807-11	6.6	29	0.43	34	0.52	46	0.69	68	1.03
		2	9-0808-11	5.8	29	0.50	35	0.60	47	0.80	69	1.19
		2 1/2	9-0810-11	4.7	29	0.63	35	0.76	47	1.01	70	1.50
		3	9-0812-11	3.6	27	0.75	32	0.90	43	1.20	62	1.73
		3 1/2	9-0814-11	3.1	27	0.88	32	1.05	43	1.40	62	2.03
		12	9-0848-11	0.8	25	3.00	30	3.60	40	4.80	58	6.88
5/8	11/32	3/4	9-1003-11	22.0	41	0.19	50	0.23	66	0.30	79	0.36
		1	9-1004-11	18.0	44	0.25	53	0.30	71	0.40	95	0.53
		1 1/4	9-1005-11	13.4	42	0.31	51	0.38	68	0.50	87	0.65
		1 1/2	9-1006-11	12.0	45	0.37	54	0.45	72	0.60	100	0.83
		1 3/4	9-1007-11	10.0	43	0.43	52	0.52	69	0.69	97	0.97
		2	9-1008-11	9.3	47	0.50	56	0.60	75	0.80	107	1.16
		2 1/2	9-1010-11	7.2	45	0.63	54	0.76	73	1.01	103	1.44
		3	9-1012-11	5.9	44	0.75	53	0.90	71	1.20	103	1.74
		3 1/2	9-1014-11	5.3	46	0.88	56	1.05	74	1.40	112	2.10
		4	9-1016-11	4.7	47	1.00	57	1.20	75	1.61	114	2.42
		12	9-1048-11	1.5	45	3.00	54	3.60	72	4.80	109	7.26
3/4	3/8	3/4	9-1203-11	42.5	80	0.19	96	0.23	128	0.30	153	0.36
		1	9-1204-11	32.0	79	0.25	94	0.30	126	0.40	158	0.49
		1 1/4	9-1205-11	24.4	77	0.31	92	0.38	123	0.50	152	0.63
		1 1/2	9-1206-11	19.3	72	0.37	87	0.45	115	0.60	144	0.74
		1 3/4	9-1207-11	16.2	70	0.43	84	0.52	112	0.69	142	0.87
		2	9-1208-11	14.2	71	0.50	86	0.60	114	0.80	144	1.02
		2 1/2	9-1210-11	11.0	69	0.63	83	0.76	111	1.01	139	1.27
		3	9-1212-11	9.2	69	0.75	83	0.90	110	1.20	142	1.55
		3 1/2	9-1214-11	7.7	67	0.88	81	1.05	108	1.40	137	1.79
4	9-1216-11	6.8	68	1.00	82	1.20	109	1.61	140	2.07		



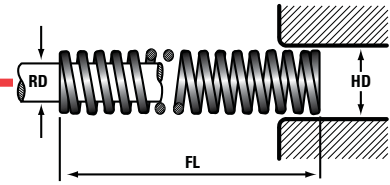
Danly Springs

Light Duty - Green



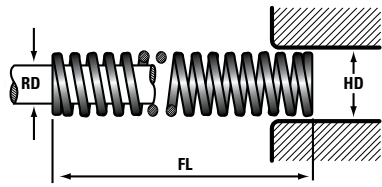
Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/4	3/8	4	9-1216-11	6.8	68	1.00	82	1.20	109	1.61	140	2.07
		4 1/2	9-1218-11	6.0	67	1.12	81	1.35	108	1.80	140	2.34
		5	9-1220-11	5.3	66	1.25	80	1.50	106	2.00	137	2.58
		5 1/2	9-1222-11	4.9	67	1.38	80	1.65	107	2.20	139	2.86
		6	9-1224-11	4.5	67	1.50	81	1.80	108	2.39	143	3.17
		12	9-1248-11	2.2	65	3.00	78	3.60	104	4.80	135	6.24
1	1/2	1	9-1604-11	61.2	151	0.25	181	0.30	241	0.40	296	0.48
		1 1/4	9-1605-11	46.2	146	0.31	175	0.38	233	0.50	284	0.62
		1 1/2	9-1606-11	37.0	138	0.37	166	0.45	221	0.60	277	0.75
		1 3/4	9-1607-11	30.6	133	0.43	159	0.52	212	0.69	268	0.87
		2	9-1608-11	26.5	133	0.50	160	0.60	213	0.80	269	1.01
		2 1/2	9-1610-11	20.4	129	0.63	154	0.76	206	1.01	258	1.25
		3	9-1612-11	16.8	126	0.75	151	0.90	201	1.20	256	1.50
		3 1/2	9-1614-11	14.1	124	0.88	148	1.05	198	1.40	251	1.75
		4	9-1616-11	12.1	121	1.00	146	1.20	194	1.61	247	2.01
		4 1/2	9-1618-11	10.7	120	1.12	144	1.35	192	1.80	244	2.25
		5	9-1620-11	9.6	120	1.25	144	1.50	192	2.00	244	2.52
		5 1/2	9-1622-11	8.7	120	1.38	144	1.65	192	2.20	247	2.80
		6	9-1624-11	8.0	120	1.50	144	1.80	191	2.39	250	3.10
		7	9-1628-11	6.9	121	1.75	145	2.10	193	2.80	252	3.63
8	9-1632-11	6.0	120	2.00	144	2.40	192	3.20	253	4.17		
12	9-1648-11	4.0	120	3.00	144	3.60	192	4.80	254	6.22		
1 1/4	5/8	1 1/2	9-2006-11	57.9	217	0.37	260	0.45	346	0.60	413	0.71
		1 3/4	9-2007-11	47.5	206	0.43	247	0.52	329	0.69	397	0.84
		2	9-2008-11	40.7	204	0.50	245	0.60	327	0.80	393	0.96
		2 1/2	9-2010-11	31.4	198	0.63	237	0.76	316	1.01	382	1.22
		3	9-2012-11	26.3	197	0.75	236	0.90	315	1.20	395	1.50
		3 1/2	9-2014-11	22.2	194	0.88	233	1.05	311	1.40	391	1.76
		4	9-2016-11	19.2	193	1.00	231	1.20	308	1.61	388	2.02
		4 1/2	9-2018-11	16.9	190	1.12	228	1.35	303	1.80	386	2.28
		5	9-2020-11	15.0	188	1.25	225	1.50	300	2.00	379	2.53
		5 1/2	9-2022-11	13.5	186	1.38	223	1.65	298	2.20	374	2.77
		6	9-2024-11	12.3	184	1.50	221	1.80	294	2.39	373	3.03
		7	9-2028-11	10.4	182	1.75	219	2.10	292	2.80	369	3.53
		8	9-2032-11	9.1	182	2.00	218	2.40	291	3.20	366	4.04
		10	9-2040-11	7.2	180	2.50	216	3.00	288	4.00	360	5.03
12	9-2048-11	5.9	177	3.00	213	3.60	283	4.80	357	6.03		





Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
1½	¾	2½	9-2408-11	60.3	303	0.50	363	0.60	484	0.80	584	0.97
		3	9-2410-11	45.8	289	0.63	346	0.76	462	1.01	558	1.22
		3½	9-2412-11	37.5	281	0.75	337	0.90	449	1.20	558	1.49
		4	9-2414-11	31.8	279	0.88	334	1.05	446	1.40	559	1.76
		4½	9-2416-11	27.3	274	1.00	329	1.20	439	1.61	547	2.01
		5	9-2418-11	24.1	270	1.12	324	1.35	433	1.80	549	2.28
		5½	9-2420-11	21.6	270	1.25	324	1.50	432	2.00	551	2.55
		6	9-2422-11	19.4	267	1.38	321	1.65	428	2.20	543	2.80
		7	9-2424-11	17.6	263	1.50	316	1.80	421	2.39	537	3.05
		8	9-2428-11	15.0	263	1.75	315	2.10	420	2.80	534	3.57
		10	9-2432-11	12.9	258	2.00	309	2.40	412	3.20	526	4.07
12	9-2440-11	10.3	258	2.50	309	3.00	412	4.00	524	5.11		
2	1	2½	9-2448-11	8.4	252	3.00	303	3.60	403	4.80	516	6.10
		3	9-0807-11	6.6	29	0.43	34	0.52	46	0.69	68	1.03
		3½	9-0808-11	5.8	29	0.50	35	0.60	47	0.80	69	1.19
		4	9-0810-11	4.7	29	0.63	35	0.76	47	1.01	70	1.50
		4½	9-0812-11	3.6	27	0.75	32	0.90	43	1.20	62	1.73
		5	9-0814-11	3.1	27	0.88	32	1.05	43	1.40	62	2.03
		5½	9-0848-11	0.8	25	3.00	30	3.60	40	4.80	58	6.88
		6	9-1003-11	22.0	41	0.19	50	0.23	66	0.30	79	0.36
		7	9-1004-11	18.0	44	0.25	53	0.30	71	0.40	95	0.53
		8	9-1005-11	13.4	42	0.31	51	0.38	68	0.50	87	0.65
		10	9-1006-11	12.0	45	0.37	54	0.45	72	0.60	100	0.83
12	9-1007-11	10.0	43	0.43	52	0.52	69	0.69	97	0.97		
2½	1½	3	9-1008-11	9.3	47	0.50	56	0.60	75	0.80	107	1.16
		3½	9-1010-11	7.2	45	0.63	54	0.76	73	1.01	103	1.44
		4	9-1012-11	5.9	44	0.75	53	0.90	71	1.20	103	1.74
		4½	9-1014-11	5.3	46	0.88	56	1.05	74	1.40	112	2.10
		5	9-1016-11	4.7	47	1.00	57	1.20	75	1.61	114	2.42
		5½	9-1048-11	1.5	45	3.00	54	3.60	72	4.80	109	7.26
		6	9-1203-11	42.5	80	0.19	96	0.23	128	0.30	153	0.36
		7	9-1204-11	32.0	79	0.25	94	0.30	126	0.40	158	0.49
		8	9-1205-11	24.4	77	0.31	92	0.38	123	0.50	152	0.63
		10	9-1206-11	19.3	72	0.37	87	0.45	115	0.60	144	0.74
		12	9-1207-11	16.2	70	0.43	84	0.52	112	0.69	142	0.87





Danly Springs

Medium Duty - Blue

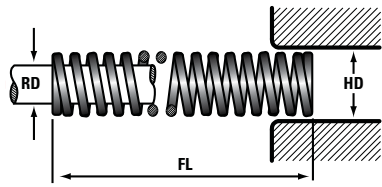


Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Req'd. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/8	3/16	3/4	9-0603-21	12.5	23	0.19	28	0.23	35	0.28	39	0.31
		1	9-0604-21	9.3	23	0.25	27	0.30	34	0.37	42	0.46
		1 1/4	9-0605-21	8.0	25	0.31	30	0.38	38	0.47	50	0.63
		1 1/2	9-0606-21	6.7	25	0.37	30	0.45	38	0.56	51	0.77
		1 3/4	9-0607-21	5.6	24	0.43	29	0.52	36	0.65	50	0.89
		2	9-0608-21	4.9	25	0.50	30	0.60	37	0.75	50	1.03
		2 1/2	9-0610-21	3.9	24	0.63	29	0.76	37	0.94	50	1.28
		3	9-0612-21	3.3	24	0.75	29	0.90	36	1.12	51	1.56
		12	9-0648-21	0.8	23	3.00	27	3.60	34	4.50	46	6.07
1/2	9/32	3/4	9-0803-21	21.0	39	0.19	47	0.23	59	0.28	63	0.30
		1	9-0804-21	16.5	41	0.25	49	0.30	61	0.37	82	0.50
		1 1/4	9-0805-21	12.9	41	0.31	49	0.38	61	0.47	82	0.63
		1 1/2	9-0806-21	10.9	41	0.37	49	0.45	61	0.56	86	0.78
		1 3/4	9-0807-21	9.2	40	0.43	48	0.52	60	0.65	84	0.91
		2	9-0808-21	8.0	40	0.50	48	0.60	60	0.75	85	1.06
		2 1/2	9-0810-21	6.3	40	0.63	48	0.76	60	0.94	82	1.32
		3	9-0812-21	5.0	37	0.75	45	0.90	56	1.12	77	1.54
		3 1/2	9-0814-21	4.3	37	0.88	45	1.05	56	1.31	77	1.81
12	9-0848-21	1.2	37	3.00	45	3.60	56	4.50	79	6.35		
5/8	11/32	3/4	9-1003-21	38.5	72	0.19	87	0.23	108	0.28	123	0.32
		1	9-1004-21	31.8	78	0.25	94	0.30	117	0.37	141	0.44
		1 1/4	9-1005-21	23.0	72	0.31	87	0.38	109	0.47	123	0.53
		1 1/2	9-1006-21	20.1	75	0.37	90	0.45	113	0.56	140	0.69
		1 3/4	9-1007-21	17.4	75	0.43	90	0.52	113	0.65	145	0.84
		2	9-1008-21	15.4	77	0.50	93	0.60	116	0.75	151	0.98
		2 1/2	9-1010-21	12.0	76	0.63	91	0.76	113	0.94	146	1.22
		3	9-1012-21	10.1	76	0.75	91	0.90	113	1.12	153	1.51
		3 1/2	9-1014-21	8.7	76	0.88	91	1.05	114	1.31	155	1.78
		4	9-1016-21	7.6	76	1.00	92	1.20	114	1.51	154	2.04
		12	9-1048-21	2.4	71	3.00	85	3.60	106	4.50	142	6.01
3/4	3/8	3/4	9-1203-21	68.5	128	0.19	154	0.23	193	0.28	199	0.29
		1	9-1204-21	51.5	127	0.25	152	0.30	190	0.37	208	0.40
		1 1/4	9-1205-21	38.9	123	0.31	147	0.38	184	0.47	198	0.51
		1 1/2	9-1206-21	31.3	117	0.37	140	0.45	176	0.56	192	0.61
		1 3/4	9-1207-21	25.8	112	0.43	134	0.52	168	0.65	182	0.71
		2	9-1208-21	22.2	111	0.50	134	0.60	167	0.75	180	0.81
		2 1/2	9-1210-21	17.3	109	0.63	131	0.76	163	0.94	177	1.02
		3	9-1212-21	14.1	105	0.75	127	0.90	158	1.12	173	1.22
		3 1/2	9-1214-21	12.2	107	0.88	128	1.05	160	1.31	178	1.46
4	9-1216-21	10.6	106	1.00	128	1.20	160	1.51	179	1.68		





Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Req'd to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/4	3/8	4 1/2	9-1218-21	9.3	105	1.13	126	1.36	158	1.70	175	1.88
		5	9-1220-21	8.3	104	1.25	125	1.50	156	1.88	175	2.09
		5 1/2	9-1222-21	7.5	103	1.37	123	1.64	154	2.05	174	2.30
		6	9-1224-21	6.9	103	1.50	124	1.80	155	2.24	173	2.52
		12	9-1248-21	3.5	104	3.00	125	3.60	156	4.50	180	5.21
1	1/2	1	9-1604-21	94.9	234	0.25	280	0.30	350	0.37	371	0.39
		1 1/4	9-1605-21	71.2	224	0.31	269	0.38	336	0.47	357	0.50
		1 1/2	9-1606-21	56.3	211	0.37	253	0.45	316	0.56	338	0.60
		1 3/4	9-1607-21	47.5	206	0.43	247	0.52	309	0.65	341	0.72
		2	9-1608-21	41.0	206	0.50	247	0.60	309	0.75	344	0.84
		2 1/2	9-1610-21	31.4	198	0.63	237	0.76	297	0.94	327	1.04
		3	9-1612-21	25.8	193	0.75	232	0.90	289	1.12	325	1.26
		3 1/2	9-1614-21	21.6	189	0.88	227	1.05	284	1.31	317	1.46
		4	9-1616-21	18.8	189	1.00	226	1.20	283	1.51	316	1.68
		4 1/2	9-1618-21	16.7	189	1.13	227	1.36	284	1.70	320	1.92
		5	9-1620-21	15.0	188	1.25	225	1.50	281	1.88	320	2.14
		5 1/2	9-1622-21	13.5	185	1.37	222	1.64	277	2.05	319	2.36
		6	9-1624-21	12.4	186	1.50	223	1.80	278	2.24	319	2.58
		7	9-1628-21	10.5	184	1.75	221	2.10	276	2.63	314	3.00
		8	9-1632-21	9.1	182	2.00	218	2.40	273	3.00	312	3.42
12	9-1648-21	6.0	180	3.00	216	3.60	270	4.50	305	5.11		
1 1/4	5/8	1 1/2	9-2006-21	94.8	355	0.37	425	0.45	532	0.56	569	0.60
		1 3/4	9-2007-21	77.9	337	0.43	405	0.52	506	0.65	550	0.71
		2	9-2008-21	66.3	333	0.50	399	0.60	499	0.75	539	0.81
		2 1/2	9-2010-21	50.1	316	0.63	379	0.76	473	0.94	503	1.00
		3	9-2012-21	40.5	303	0.75	364	0.90	454	1.12	490	1.21
		3 1/2	9-2014-21	34.2	300	0.88	360	1.05	449	1.31	486	1.42
		4	9-2016-21	29.6	297	1.00	357	1.20	446	1.51	484	1.63
		4 1/2	9-2018-21	26.3	298	1.13	357	1.36	447	1.70	491	1.87
		5	9-2020-21	23.7	296	1.25	356	1.50	444	1.88	498	2.10
		5 1/2	9-2022-21	21.4	293	1.37	351	1.64	439	2.05	495	2.31
		6	9-2024-21	19.5	292	1.50	350	1.80	438	2.24	493	2.53
		7	9-2028-21	16.6	291	1.75	349	2.10	436	2.63	489	2.95
		8	9-2032-21	14.4	288	2.00	345	2.40	432	3.00	486	3.38
10	9-2040-21	11.4	285	2.50	342	3.00	428	3.75	483	4.23		
12	9-2048-21	9.5	285	3.00	342	3.60	428	4.50	484	5.10		



Danly Springs

Heavy Duty - Red



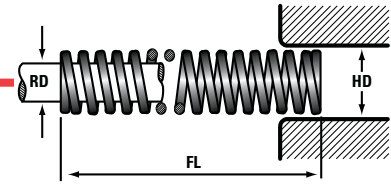
Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
1 1/2	3/4	2	9-2408-21	97.4	489	0.50	587	0.60	733	0.75	762	0.78
		2 1/2	9-2410-21	73.5	463	0.63	556	0.76	694	0.94	722	0.98
		3	9-2412-21	60.1	450	0.75	539	0.90	674	1.12	725	1.21
		3 1/2	9-2414-21	50.1	439	0.88	527	1.05	658	1.31	704	1.40
		4	9-2416-21	43.4	436	1.00	523	1.20	654	1.51	707	1.63
		4 1/2	9-2418-21	37.9	429	1.13	515	1.36	643	1.70	693	1.83
		5	9-2420-21	34.0	425	1.25	510	1.50	638	1.88	698	2.05
		5 1/2	9-2422-21	30.6	419	1.37	502	1.64	628	2.05	687	2.25
		6	9-2424-21	27.9	417	1.50	501	1.80	626	2.24	691	2.47
		7	9-2428-21	23.7	415	1.75	498	2.10	623	2.63	687	2.89
		8	9-2432-21	20.6	412	2.00	494	2.40	617	3.00	683	3.32
		10	9-2440-21	16.5	413	2.50	495	3.00	619	3.75	693	4.21
12	9-2448-21	13.6	408	3.00	490	3.60	612	4.50	682	5.03		
2	1	2 1/2	9-3210-21	121.0	762	0.63	915	0.76	1143	0.94	1193	0.99
		3	9-3212-21	95.6	715	0.75	858	0.90	1073	1.12	1130	1.18
		3 1/2	9-3214-21	79.8	699	0.88	839	1.05	1049	1.31	1109	1.39
		4	9-3216-21	69.6	699	1.00	838	1.20	1048	1.51	1131	1.63
		4 1/2	9-3218-21	61.2	693	1.13	831	1.36	1039	1.70	1134	1.85
		5	9-3220-21	54.0	675	1.25	810	1.50	1013	1.88	1105	2.05
		5 1/2	9-3222-21	48.8	668	1.37	801	1.64	1001	2.05	1110	2.27
		6	9-3224-21	44.5	666	1.50	799	1.80	999	2.24	1112	2.50
		7	9-3228-21	37.9	664	1.75	797	2.10	996	2.63	1117	2.94
		8	9-3232-21	32.8	655	2.00	786	2.40	983	3.00	1103	3.36
		10	9-3236-21	29.1	656	2.25	787	2.70	984	3.38	1108	3.81
		12	9-3240-21	26.1	653	2.50	783	3.00	979	3.75	1111	4.26
2 1/2	1 1/2	3	9-4012-21	174.0	1304	0.75	1565	0.90	1956	1.12	2113	1.22
		3 1/2	9-4014-21	143.0	1249	0.88	1499	1.05	1874	1.31	2056	1.44
		4	9-4016-21	121.0	1211	1.00	1453	1.20	1816	1.51	2016	1.66
		4 1/2	9-4018-21	106.0	1195	1.13	1434	1.36	1793	1.70	2031	1.91
		5	9-4020-21	93.7	1172	1.25	1406	1.50	1758	1.88	2003	2.14
		5 1/2	9-4024-21	75.9	1139	1.50	1366	1.80	1708	2.24	1963	2.59
		6	9-4028-21	63.8	1116	1.75	1339	2.10	1674	2.63	1935	3.04
		7	9-4032-21	55.0	1099	2.00	1319	2.40	1649	3.00	1916	3.48
		8	9-4036-21	48.8	1099	2.25	1318	2.70	1648	3.38	1944	3.98
		10	9-4040-21	43.9	1097	2.50	1316	3.00	1646	3.75	1964	4.48
12	9-4048-21	36.2	1087	3.00	1305	3.60	1631	4.50	1966	5.42		

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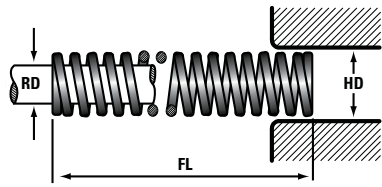


Danly Springs

Heavy Duty - Red



Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Req'd. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/8	3/16	3/4	9-0603-26	16.5	25	0.15	31	0.19	37	0.23	41	0.25
		1	9-0604-26	12.6	25	0.20	31	0.25	37	0.30	46	0.37
		1 1/4	9-0605-26	10.0	25	0.25	31	0.31	38	0.38	47	0.47
		1 1/2	9-0606-26	9.3	28	0.30	35	0.37	42	0.45	61	0.66
		1 3/4	9-0607-26	8.0	28	0.35	35	0.43	42	0.52	62	0.78
		2	9-0608-26	6.8	27	0.40	34	0.50	41	0.60	60	0.88
		2 1/2	9-0610-26	5.5	28	0.50	35	0.63	42	0.76	62	1.13
		3	9-0612-26	4.3	26	0.60	32	0.75	39	0.90	56	1.29
		12	9-0648-26	1.1	26	2.40	32	3.00	39	3.60	56	5.27
1/2	9/32	3/4	9-0803-26	31.0	47	0.15	58	0.19	70	0.23	96	0.31
		1	9-0804-26	23.6	46	0.20	58	0.25	70	0.30	103	0.44
		1 1/4	9-0805-26	18.8	47	0.25	59	0.31	71	0.38	106	0.56
		1 1/2	9-0806-26	15.5	46	0.30	58	0.37	70	0.45	107	0.69
		1 3/4	9-0807-26	13.3	46	0.35	58	0.43	69	0.52	109	0.82
		2	9-0808-26	11.4	46	0.40	57	0.50	69	0.60	107	0.94
		2 1/2	9-0810-26	8.7	44	0.50	55	0.63	66	0.76	99	1.14
		3	9-0812-26	7.7	46	0.60	58	0.75	69	0.90	114	1.47
		3 1/2	9-0814-26	6.2	43	0.70	54	0.88	65	1.05	102	1.64
		12	9-0848-26	1.8	43	2.40	53	3.00	64	3.60	101	5.71
5/8	11/32	3/4	9-1003-26	57.0	86	0.15	107	0.19	128	0.23	154	0.27
		1	9-1004-26	43.1	85	0.20	106	0.25	127	0.30	160	0.37
		1 1/4	9-1005-26	34.8	88	0.25	110	0.31	132	0.38	174	0.50
		1 1/2	9-1006-26	27.8	83	0.30	104	0.37	125	0.45	167	0.60
		1 3/4	9-1007-26	24.7	86	0.35	107	0.43	128	0.52	185	0.75
		2	9-1008-26	20.5	82	0.40	103	0.50	123	0.60	170	0.83
		2 1/2	9-1010-26	16.5	83	0.50	104	0.63	125	0.76	177	1.07
		3	9-1012-26	14.0	84	0.60	105	0.75	126	0.90	187	1.33
		3 1/2	9-1014-26	11.9	83	0.70	104	0.88	125	1.05	187	1.57
		4	9-1016-26	10.4	84	0.80	104	1.00	125	1.20	187	1.80
		12	9-1048-26	3.3	80	2.40	100	3.00	120	3.60	181	5.44
3/4	3/8	1	9-1204-26	137.0	270	0.20	337	0.25	405	0.30	422	0.31
		1 1/4	9-1205-26	103.0	260	0.25	324	0.31	389	0.38	407	0.40
		1 1/2	9-1206-26	82.2	246	0.30	307	0.37	369	0.45	398	0.48
		1 3/4	9-1207-26	68.5	237	0.35	297	0.43	356	0.52	392	0.57
		2	9-1208-26	57.8	232	0.40	290	0.50	348	0.60	371	0.64
		2 1/2	9-1210-26	44.0	222	0.50	277	0.63	333	0.76	344	0.78
		3	9-1212-26	36.2	217	0.60	271	0.75	325	0.90	347	0.96
		3 1/2	9-1214-26	30.8	216	0.70	270	0.88	324	1.05	350	1.13
4	9-1216-26	26.8	215	0.80	269	1.00	323	1.20	351	1.31		



Danly Springs

Heavy Duty - Red

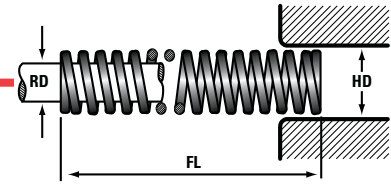


Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/4	3/8	4 1/2	9-1218-26	23.7	213	0.90	266	1.12	319	1.35	352	1.49
		5	9-1220-26	21.2	212	1.00	265	1.25	318	1.50	353	1.66
		5 1/2	9-1222-26	19.3	213	1.10	266	1.38	319	1.65	354	1.84
		6	9-1224-26	17.6	211	1.20	263	1.50	316	1.80	355	2.01
		12	9-1248-26	8.6	207	2.40	258	3.00	310	3.60	351	4.07
1	1/2	1	9-1604-26	215.0	423	0.20	529	0.25	635	0.30	622	0.29
		1 1/4	9-1605-26	163.0	411	0.25	513	0.31	616	0.38	648	0.40
		1 1/2	9-1606-26	127.0	380	0.30	475	0.37	570	0.45	602	0.47
		1 3/4	9-1607-26	109.0	378	0.35	472	0.43	566	0.52	646	0.60
		2	9-1608-26	89.4	359	0.40	449	0.50	539	0.60	581	0.65
		2 1/2	9-1610-26	69.1	348	0.50	435	0.63	522	0.76	571	0.83
		3	9-1612-26	57.0	341	0.60	426	0.75	512	0.90	584	1.02
		3 1/2	9-1614-26	48.0	336	0.70	420	0.88	505	1.05	575	1.20
		4	9-1616-26	41.8	336	0.80	420	1.00	504	1.20	584	1.40
		4 1/2	9-1618-26	37.1	333	0.90	416	1.12	500	1.35	591	1.59
		5	9-1620-26	33.1	331	1.00	414	1.25	497	1.50	585	1.77
		5 1/2	9-1622-26	30.0	331	1.10	413	1.38	496	1.65	590	1.97
		6	9-1624-26	27.5	329	1.20	411	1.50	494	1.80	595	2.16
		7	9-1628-26	23.5	329	1.40	412	1.75	494	2.10	602	2.56
8	9-1632-26	20.5	328	1.60	410	2.00	492	2.40	599	2.93		
12	9-1648-26	13.8	331	2.40	414	3.00	497	3.60	638	4.62		
1 1/4	5/8	1 1/2	9-2006-26	223.0	667	0.30	834	0.37	1001	0.45	1021	0.46
		1 3/4	9-2007-26	182.0	631	0.35	788	0.43	946	0.52	995	0.55
		2	9-2008-26	154.0	618	0.40	773	0.50	928	0.60	976	0.63
		2 1/2	9-2010-26	117.0	590	0.50	737	0.63	884	0.76	926	0.79
		3	9-2012-26	94.7	567	0.60	708	0.75	850	0.90	916	0.97
		3 1/2	9-2014-26	80.1	561	0.70	702	0.88	842	1.05	926	1.16
		4	9-2016-26	69.1	555	0.80	694	1.00	832	1.20	919	1.33
		4 1/2	9-2018-26	60.7	545	0.90	681	1.12	817	1.35	914	1.50
		5	9-2020-26	54.7	547	1.00	684	1.25	821	1.50	933	1.71
		5 1/2	9-2022-26	49.3	543	1.10	679	1.38	815	1.65	928	1.88
		6	9-2024-26	44.9	537	1.20	672	1.50	806	1.80	923	2.06
		7	9-2028-26	38.1	534	1.40	668	1.75	801	2.10	916	2.41
		8	9-2032-26	33.0	527	1.60	659	2.00	791	2.40	910	2.75
10	9-2040-26	26.4	528	2.00	660	2.50	792	3.00	925	3.51		
12	9-2048-26	21.8	524	2.40	654	3.00	785	3.60	916	4.20		



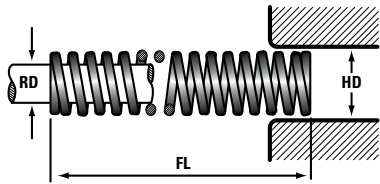
Danly Springs

Heavy Duty - Red



Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
1½	¾	2	9-2408-26	208.0	835	0.40	1044	0.50	1253	0.60	1357	0.65
		2½	9-2410-26	153.0	771	0.50	964	0.63	1157	0.76	1233	0.80
		3	9-2412-26	125.0	748	0.60	935	0.75	1122	0.90	1252	1.00
		3½	9-2414-26	105.0	736	0.70	920	0.88	1104	1.05	1265	1.20
		4	9-2416-26	90.6	728	0.80	910	1.00	1091	1.20	1252	1.38
		4½	9-2418-26	80.4	722	0.90	902	1.12	1083	1.35	1285	1.60
		5	9-2420-26	71.5	715	1.00	894	1.25	1073	1.50	1273	1.78
		5½	9-2422-26	64.3	709	1.10	886	1.38	1063	1.65	1263	1.96
		6	9-2424-26	59.0	706	1.20	883	1.50	1059	1.80	1284	2.18
		7	9-2428-26	50.3	705	1.40	881	1.75	1057	2.10	1294	2.57
		8	9-2432-26	43.8	700	1.60	875	2.00	1050	2.40	1299	2.97
		10	9-2440-26	34.6	692	2.00	865	2.50	1038	3.00	1291	3.73
12	9-2448-26	28.7	689	2.40	862	3.00	1034	3.60	1300	4.53		
2	1	2½	9-3210-26	242.0	1220	0.50	1524	0.63	1829	0.76	1904	0.79
		3	9-3212-26	193.0	1155	0.60	1444	0.75	1732	0.90	1860	0.96
		3½	9-3214-26	160.0	1121	0.70	1402	0.88	1682	1.05	1831	1.14
		4	9-3216-26	140.0	1124	0.80	1406	1.00	1687	1.20	1891	1.35
		4½	9-3218-26	123.0	1104	0.90	1380	1.12	1656	1.35	1901	1.55
		5	9-3220-26	108.0	1080	1.00	1350	1.25	1620	1.50	1840	1.71
		5½	9-3222-26	96.4	1063	1.10	1328	1.38	1594	1.65	1797	1.86
		6	9-3224-26	88.0	1053	1.20	1317	1.50	1580	1.80	1812	2.06
		7	9-3228-26	75.0	1051	1.40	1314	1.75	1577	2.10	1836	2.45
		8	9-3232-26	65.3	1044	1.60	1305	2.00	1566	2.40	1854	2.84
		10	9-3240-26	51.3	1026	2.00	1283	2.50	1539	3.00	1816	3.54
		12	9-3248-26	42.6	1023	2.40	1279	3.00	1535	3.60	1842	4.32
2½	1½	3	9-4012-26	295.0	1770	0.60	2213	0.75	2655	0.90	2980	1.01
		3½	9-4014-26	241.0	1687	0.70	2109	0.88	2531	1.05	2952	1.23
		4	9-4016-26	205.0	1640	0.80	2050	1.00	2460	1.20	2952	1.44
		4½	9-4018-26	178.0	1602	0.90	2003	1.13	2403	1.35	2964	1.67
		5	9-4020-26	157.0	1570	1.00	1963	1.25	2355	1.50	2944	1.88
		5½	9-4024-26	128.0	1536	1.20	1920	1.50	2304	1.80	2880	2.25
		6	9-4028-26	108.0	1512	1.40	1890	1.75	2268	2.10	2835	2.63
		7	9-4032-26	93.0	1488	1.60	1860	2.00	2232	2.40	2790	3.00
		8	9-4036-26	82.0	1476	1.80	1845	2.25	2214	2.70	2768	3.38
		10	9-4040-26	73.5	1470	2.00	1838	2.50	2205	3.00	2756	3.75
12	9-4048-26	61.0	1464	2.40	1830	3.00	2196	3.60	2745	4.50		





Danly Springs

Extra Heavy Duty - Yellow

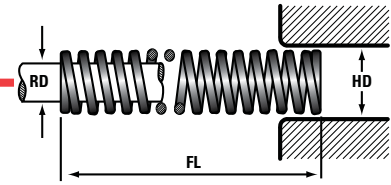


Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Req'd. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/8	3/16	3/4	9-0603-36	25.2	32	0.13	38	0.15	47	0.19	53	0.21
		1	9-0604-36	18.7	31	0.17	37	0.20	46	0.25	54	0.29
		1 1/4	9-0605-36	14.6	31	0.21	37	0.25	46	0.31	53	0.37
		1 1/2	9-0606-36	12.1	31	0.25	36	0.30	45	0.37	55	0.45
		1 3/4	9-0607-36	10.1	30	0.29	35	0.35	44	0.43	52	0.51
		2	9-0608-36	8.8	30	0.34	35	0.40	44	0.50	52	0.59
		2 1/2	9-0610-36	7.0	30	0.43	35	0.50	44	0.63	52	0.75
		3	9-0612-36	5.8	30	0.51	35	0.60	43	0.75	53	0.92
		12	9-0648-36	1.4	29	2.04	34	2.40	42	3.00	52	3.71
1/2	9/32	3/4	9-0803-36	44.5	57	0.13	67	0.15	83	0.19	102	0.23
		1	9-0804-36	33.5	56	0.17	66	0.20	82	0.25	105	0.31
		1 1/4	9-0805-36	25.2	54	0.21	63	0.25	79	0.31	97	0.38
		1 1/2	9-0806-36	20.7	53	0.25	62	0.30	77	0.37	97	0.47
		1 3/4	9-0807-36	17.5	52	0.29	61	0.35	76	0.43	98	0.56
		2	9-0808-36	15.4	53	0.34	62	0.40	77	0.50	103	0.67
		2 1/2	9-0810-36	12.4	53	0.43	62	0.50	78	0.63	109	0.88
		3	9-0812-36	10.1	51	0.51	60	0.60	76	0.75	106	1.04
		3 1/2	9-0814-36	8.6	51	0.60	60	0.70	75	0.88	105	1.22
		12	9-0848-36	2.4	49	2.04	58	2.40	72	3.00	101	4.19
5/8	11/32	3/4	9-1003-36	97.0	124	0.13	146	0.15	182	0.19	213	0.22
		1	9-1004-36	72.7	122	0.17	143	0.20	179	0.25	227	0.31
		1 1/4	9-1005-36	53.7	115	0.21	135	0.25	169	0.31	205	0.38
		1 1/2	9-1006-36	43.3	110	0.25	130	0.30	162	0.37	201	0.46
		1 3/4	9-1007-36	36.3	107	0.29	126	0.35	157	0.43	199	0.55
		2	9-1008-36	31.7	108	0.34	127	0.40	159	0.50	205	0.65
		2 1/2	9-1010-36	24.7	106	0.43	124	0.50	156	0.63	201	0.81
		3	9-1012-36	20.3	103	0.51	121	0.60	152	0.75	199	0.98
		3 1/2	9-1014-36	17.3	103	0.60	121	0.70	152	0.88	201	1.16
		4	9-1016-36	15.1	103	0.68	121	0.80	152	1.00	203	1.35
		12	9-1048-36	4.9	100	2.04	117	2.40	146	3.00	204	4.17
3/4	3/8	1	9-1204-36	183.0	306	0.17	360	0.20	450	0.25	469	0.26
		1 1/4	9-1205-36	137.0	293	0.21	345	0.25	431	0.31	461	0.34
		1 1/2	9-1206-36	111.0	282	0.25	332	0.30	415	0.37	472	0.43
		1 3/4	9-1207-36	92.4	272	0.29	320	0.35	400	0.43	466	0.50
		2	9-1208-36	79.7	272	0.34	320	0.40	400	0.50	473	0.59
		2 1/2	9-1210-36	62.1	266	0.43	313	0.50	391	0.63	472	0.76
		3	9-1212-36	51.2	260	0.51	306	0.60	383	0.75	481	0.94
		3 1/2	9-1214-36	43.2	257	0.60	303	0.70	378	0.88	474	1.10
4	9-1216-36	37.3	255	0.68	300	0.80	374	1.00	468	1.25		

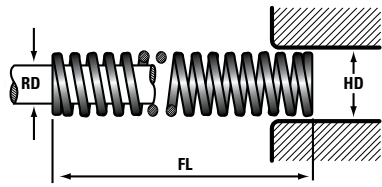


Danly Springs

Extra Heavy Duty - Yellow



Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
3/4	3/8	4 1/2	9-1218-36	32.8	250	0.76	294	0.90	368	1.12	464	1.41
		5	9-1220-36	29.5	251	0.85	295	1.00	369	1.25	469	1.59
		5 1/2	9-1222-36	26.6	249	0.94	293	1.10	367	1.38	466	1.75
		6	9-1224-36	24.3	247	1.02	291	1.20	364	1.50	463	1.91
		12	9-1248-36	12.0	245	2.04	288	2.40	360	3.00	469	3.92
1	1/2	1 1/4	9-1605-36	202.0	433	0.21	509	0.25	636	0.31	709	0.35
		1 1/2	9-1606-36	160.0	407	0.25	479	0.30	598	0.37	692	0.43
		1 3/4	9-1607-36	132.0	389	0.29	457	0.35	572	0.43	686	0.52
		2	9-1608-36	113.0	386	0.34	454	0.40	567	0.50	681	0.60
		2 1/2	9-1610-36	87.8	376	0.43	442	0.50	553	0.63	684	0.78
		3	9-1612-36	71.4	363	0.51	427	0.60	534	0.75	676	0.95
		3 1/2	9-1614-36	60.2	359	0.60	422	0.70	527	0.88	671	1.11
		4	9-1616-36	52.0	355	0.68	418	0.80	522	1.00	667	1.28
		4 1/2	9-1618-36	46.2	353	0.76	415	0.90	518	1.12	681	1.47
		5	9-1620-36	41.2	350	0.85	412	1.00	515	1.25	677	1.64
		5 1/2	9-1622-36	37.5	351	0.94	413	1.10	516	1.38	686	1.83
		6	9-1624-36	34.4	351	1.02	413	1.20	516	1.50	695	2.02
		7	9-1628-36	29.3	349	1.19	410	1.40	513	1.75	697	2.38
		8	9-1632-36	25.5	347	1.36	408	1.60	510	2.00	700	2.74
12	9-1648-36	16.9	345	2.04	406	2.40	507	3.00	704	4.18		
1 1/4	5/8	1 1/2	9-2006-36	279.0	710	0.25	835	0.30	1044	0.37	1093	0.39
		1 3/4	9-2007-36	231.0	680	0.29	800	0.35	1000	0.43	1108	0.48
		2	9-2008-36	197.0	672	0.34	791	0.40	989	0.50	1119	0.57
		2 1/2	9-2010-36	152.0	651	0.43	766	0.50	957	0.63	1139	0.75
		3	9-2012-36	123.0	626	0.51	736	0.60	920	0.75	1121	0.91
		3 1/2	9-2014-36	104.0	619	0.60	729	0.70	911	0.88	1131	1.09
		4	9-2016-36	88.9	607	0.68	714	0.80	893	1.00	1100	1.24
		4 1/2	9-2018-36	77.5	591	0.76	696	0.90	870	1.12	1071	1.38
		5	9-2020-36	69.6	592	0.85	696	1.00	870	1.25	1090	1.57
		5 1/2	9-2022-36	63.6	596	0.94	701	1.10	876	1.38	1128	1.77
		6	9-2024-36	57.6	586	1.02	689	1.20	862	1.50	1108	1.92
		7	9-2028-36	48.9	583	1.19	685	1.40	857	1.75	1099	2.25
		8	9-2032-36	42.6	579	1.36	681	1.60	851	2.00	1111	2.61
		10	9-2040-36	34.0	578	1.70	680	2.00	850	2.50	1128	3.32
12	9-2048-36	28.3	578	2.04	680	2.40	850	3.00	1139	4.03		



Danly Springs

Extra Heavy Duty - Yellow



Hole Dia. (in) HD	Rod Dia. (in) RD	Free Length FL	Part Number	RATE Pounds Redq. to Deflect 1/10 in.	Total Defl Recom for				Max. Oper. Defl. 30% of FL		Total Travel to Solid	
					Long Life (20% of FL)		Avg. Life (25% of FL)		Load lbs.	Defl. in.		
					Load lbs.	Defl. in.	Load lbs.	Defl. in.				
1 1/2	3/4	2	9-2408-36	319.0	1089	0.34	1281	0.40	1601	0.50	1757	0.55
		2 1/2	9-2410-36	241.0	1032	0.43	1214	0.50	1518	0.63	1726	0.72
		3	9-2412-36	193.0	982	0.51	1155	0.60	1444	0.75	1698	0.88
		3 1/2	9-2414-36	160.0	953	0.60	1121	0.70	1402	0.88	1636	1.03
		4	9-2416-36	139.0	949	0.68	1116	0.80	1395	1.00	1710	1.23
		4 1/2	9-2418-36	122.0	931	0.76	1095	0.90	1369	1.12	1700	1.39
		5	9-2420-36	108.0	918	0.85	1080	1.00	1350	1.25	1687	1.56
		5 1/2	9-2422-36	97.6	915	0.94	1076	1.10	1345	1.38	1681	1.72
		6	9-2424-36	88.7	902	1.02	1062	1.20	1327	1.50	1672	1.89
		7	9-2428-36	75.0	894	1.19	1051	1.40	1314	1.75	1662	2.22
		8	9-2432-36	65.0	883	1.36	1039	1.60	1299	2.00	1655	2.55
		10	9-2440-36	51.6	877	1.70	1032	2.00	1290	2.50	1675	3.24
12	9-2448-36	42.8	874	2.04	1028	2.40	1285	3.00	1686	3.94		
2	1	2 1/2	9-3210-36	414.0	1773	0.43	2086	0.50	2608	0.63	2818	0.68
		3	9-3212-36	327.0	1663	0.51	1957	0.60	2446	0.75	2743	0.84
		3 1/2	9-3214-36	271.0	1614	0.60	1899	0.70	2374	0.88	2694	1.00
		4	9-3216-36	231.0	1577	0.68	1855	0.80	2319	1.00	2659	1.15
		4 1/2	9-3218-36	201.0	1534	0.76	1804	0.90	2255	1.12	2644	1.31
		5	9-3220-36	179.0	1522	0.85	1790	1.00	2238	1.25	2623	1.47
		5 1/2	9-3222-36	161.0	1509	0.94	1775	1.10	2219	1.38	2659	1.65
		6	9-3224-36	145.0	1475	1.02	1735	1.20	2169	1.50	2593	1.78
		7	9-3228-36	123.0	1465	1.19	1724	1.40	2155	1.75	2578	2.10
		8	9-3232-36	106.0	1440	1.36	1694	1.60	2118	2.00	2562	2.41
		10	9-3240-36	83.5	1420	1.70	1670	2.00	2088	2.50	2544	3.05
		12	9-3248-36	68.9	1406	2.04	1655	2.40	2068	3.00	2533	3.68

