

# #400 DOUBLE JUMBO SPRING SELECTION

## EXTENSION SPRING ENGINEERING DATA

CENTURY SPRING CORPORATION, Box 15287, Los Angeles, California, 90015 (Phone: 213 - 749-1466)

Stock No.	O.D. Inches	Length	Wire Dia.	Max. Defl.	Max. Safe Load	Stock No.	O.D. Inches	Length	Wire Dia.	Max. Defl.	Max. Safe Load	Stock No.	O.D. Inches	Length	Wire Dia.	Max. Defl.	Max. Safe Load	Stock No.	O.D. Inches	Length	Wire Dia.	Max. Defl.	Max. Safe Load
C-1	1/8	1-1/2	.015	2.08	1.45	C-103	1/8	2-1/2	.018	2.17	2.44	C-181	5/8	3-1/4	.072	2.01	19.1	C-265	1-1/16	7	.105	7.19	33.4
C-3	1/8	1-1/2	.018	1.24	2.44	C-105	5/32	2-1/2	.020	2.92	2.69	C-183	9/16	4	.047	7.42	6.7	C-267	1-1/4	6-1/2	.162	2.72	93.7
C-5	5/32	1-1/2	.020	1.66	2.69	C-107	3/16	2-1/2	.018	6.09	1.68	C-185	3/4	3-1/2	.062	5.60	10.9	C-269	1	7	.135	2.93	69.9
C-7	3/16	1-1/2	.018	3.38	1.68	C-109	3/16	2-1/2	.020	4.53	2.27	C-187	3/4	3-7/8	.105	.95	46.2	C-271	1-1/16	8-1/2	.080	19.3	15.5
C-9	3/16	1-1/2	.020	2.58	2.27	C-111	3/16	2-1/2	.025	2.52	4.26	C-189	3/4	3-1/8	.105	1.08	46.2	C-273	1-1/8	8-1/2	.148	3.87	81.1
C-11	3/16	1-1/2	.025	1.41	4.26	C-113	7/32	2-1/2	.023	4.80	3.00	C-191	3/4	3-3/4	.105	1.39	46.2	C-275	1-1/8	7-1/2	.091	13.2	21.3
C-13	7/32	1-1/2	.023	2.64	3.00	C-115	1/4	2-1/2	.016	15.50	.90	C-193	3/8	4	.034	6.66	4.13	C-277	3/4	6-1/2	.091	4.2	31.3
C-15	1/4	1-1/2	.016	8.37	.90	C-117	1/4	2-1/2	.020	9.07	1.72	C-201	3/16	5	.023	4.71	2.51	C-279	5/8	6-1/2	.080	3.8	25.6
C-17	1/4	1-1/2	.020	4.87	1.72	C-119	1/4	2-1/2	.035	2.03	8.46	C-203	1/4	5	.031	3.98	4.66	C-281	3/8	5-1/2	.062	1.6	20.6
C-19	1/4	1-1/2	.035	1.11	8.46	C-121	1/4	2-1/2	.023	6.56	2.64	C-205	1/4	5	.034	3.00	6.04	C-283	1/4	6	.028	6.54	3.52
C-21	1/4	1-1/2	.023	3.55	2.64	C-123	9/32	2-1/2	.025	6.76	2.92	C-207	11/32	4-1/2	.025	14.1	1.99	C-285	3/8	5	.034	8.52	4.13
C-23	9/32	1-1/2	.025	3.59	2.92	C-125	5/16	2-1/2	.020	14.9	1.39	C-209	3/8	4-1/2	.028	12.9	2.35	C-287	5/16	5	.031	8.78	3.78
C-25	5/16	1-1/2	.020	7.62	1.39	C-127	11/32	2-1/2	.025	10.4	2.40	C-211	3/8	4-1/2	.031	9.97	3.18	C-289	5/16	5	.034	5.44	4.91
C-27	11/32	1-1/2	.025	5.33	2.40	C-129	11/32	2-1/2	.028	7.96	3.33	C-213	7/16	4-1/2	.028	18.3	2.06	C-291	3/8	4-1/2	.062	1.32	20.6
C-29	11/32	1-1/2	.028	4.03	3.33	C-131	7/16	2-1/2	.028	13.2	2.64	C-215	3/8	3-3/4	.041	3.88	6.52	C-293	3/8	6-3/4	.062	2.05	20.7
C-31	7/16	1-1/2	.028	6.18	2.64	C-133	7/16	2-1/2	.047	3.51	11.5	C-217	3/8	4-1/2	.047	3.10	9.77	C-301	1-1/2	11-1/2	.135	14.9	47.9
C-33	7/16	1-1/2	.047	1.71	11.5	C-135	7/16	2	.062	.76	18.0	C-219	15/32	4-1/2	.041	8.33	5.28	C-303	1	12	.105	11.7	35.4
C-51	1/8	1-7/8	.014	3.17	1.19	C-137	1/2	2-1/2	.047	3.15	7.47	C-221	1/2	4-1/2	.062	2.93	15.9	C-305	1-1/16	12-1/2	.105	14.2	33.4
C-53	1/8	1-7/8	.018	1.59	2.44	C-139	7/16	3-1/2	.054	2.41	12.1	C-223	1/2	5	.072	2.15	23.5	C-307	1-1/16	12	.135	6.49	66.2
C-55	5/32	1-7/8	.020	2.13	2.69	C-141	5/8	2-1/2	.072	.92	19.1	C-225	9/16	5	.072	2.94	21.1	C-309	7/8	11-3/4	.091	12.2	27.1
C-57	3/16	1-7/8	.018	4.40	1.68	C-143	9/16	3	.054	3.64	9.55	C-227	11/16	4-3/4	.091	2.26	33.9	C-311	7/16	10-1/4	.041	17.5	5.6
C-59	3/16	1-7/8	.020	3.34	2.27	C-151	5/16	1-1/2	.047	.46	11.53	C-229	11/16	5	.072	4.92	17.5	C-313	1/2	8-1/2	.047	13.3	7.47
C-61	3/16	1-7/8	.025	1.81	4.26	C-153	1/4	2-5/16	.032	2.65	2.95	C-231	9/16	6	.072	3.61	21.1	C-315	7/16	8-1/2	.047	9.3	8.47
C-63	7/32	1-7/8	.023	3.46	3.00	C-155	5/16	3	.028	5.37	2.85	C-233	1/4	6	.034	3.64	6.04	C-317	5/8	8-1/2	.091	4.05	36.9
C-65	1/4	1-7/8	.016	11.50	.90	C-157	1/4	3-1/4	.025	4.10	2.64	C-235	5/16	6	.028	11.5	2.85	C-319	9/16	8-1/2	.054	12.4	9.55
C-67	1/4	1-7/8	.020	6.46	1.72	C-159	9/32	3-1/4	.028	4.57	3.15	C-237	9/32	6	.034	5.07	5.42	C-321	5/8	8-1/2	.062	10.7	12.9
C-69	1/4	1-7/8	.035	1.47	8.46	C-161	7/16	2-3/4	.034	6.08	3.57	C-239	3/8	6-1/2	.047	4.67	9.77	C-323	5/8	8-1/2	.080	5.2	25.6
C-71	1/4	1-7/8	.023	4.66	2.64	C-163	7/16	3-1/2	.047	3.50	8.47	C-241	3/8	6	.041	6.57	6.52	C-325	7/8	8-1/2	.062	23.9	9.37
C-73	9/32	1-7/8	.025	4.78	2.92	C-165	1/2	1-5/8	.080	.36	31.3	C-243	5/8	6-1/2	.054	11.9	8.64	C-327	15/16	8-1/2	.120	4.5	54.1
C-75	5/16	1-7/8	.020	10.30	1.39	C-167	1/2	1-15/16	.080	.463	31.3	C-251	1-1/8	16	.105	21.6	31.7	C-329	7/8	8-1/2	.105	5.56	40.1
C-77	11/32	1-7/8	.025	7.26	2.40	C-169	1/2	2-3/16	.080	.56	31.3	C-253	9/16	16-1/2	.054	25.2	9.5	C-331	1	7-1/2	.105	6.83	35.4
C-79	11/32	1-7/8	.028	5.51	3.33	C-171	3/4	2	.105	.51	46.2	C-255	7/8	3-1/2	.091	2.7	27.1	C-333	7/8	9	.135	2.69	78.9
C-81	7/16	1-7/8	.028	8.79	2.64	C-173	3/4	2-1/4	.105	.64	46.2	C-257	13/16	4-1/2	.091	3.2	29.0	C-335	1	8-1/2	.080	16.9	16.5
C-83	7/16	1-7/8	.047	2.40	11.5	C-175	3/4	2-7/16	.105	.74	46.2	C-259	13/16	4	.120	.73	61.7	C-337	1	8-1/2	.120	5.38	51.0
C-101	1/8	2-1/2	.014	4.33	1.19	C-177	3/4	2-5/8	.105	.82	46.2	C-261	1-1/16	5-1/2	.120	3.62	48.2	C-339	1-1/4	10	.148	6.18	73.7
						C-179	9/16	2-7/8	.072	1.48	21.1	C-263	7/8	6	.091	5.56	27.1						

## #400 DOUBLE JUMBO SPRING SELECTION COMPRESSION SPRING ENGINEERING DATA

Stock No.	O.D. Inches	Length	Wire Dia.	Solid Height	Max. Safe Load	Stock No.	O.D. Inches	Length	Wire Dia.	Solid Height	Max. Safe Load	Stock No.	O.D. Inches	Length	Wire Dia.	Solid Height	Max. Safe Load	Stock No.	O.D. Inches	Length	Wire Dia.	Solid Height	Max. Safe Load
C-500	5/32	9/16	.023	.276	5.3	C-614	5/16	1-1/4	.041	.615	10.60	C-710	3/4	1	.080	.507	28.7	C-806	1-1/2	3-1/4	.148	1.409	80.4
C-502	5/32	1/2	.030	.270	11.2	C-616	5/16	1-3/8	.032	.460	5.32	C-712	11/16	1-1/4	.092	.755	44.7	C-808	1-13/32	1-3/4	.148	.939	85.4
C-504	3/16	1/2	.023	.253	2.8	C-618	5/16	1-3/8	.016	.132	.84	C-714	3/8	2-1/4	.062	1.458	27.7	C-810	1-3/8	2-3/4	.120	1.024	49.3
C-506	5/32	5/8	.011	.096	.62	C-620	5/16	1-1/2	.023	.282	2.20	C-716	7/16	2	.072	1.314	35.3	C-812	1-1/2	2-1/2	.135	1.013	62.3
C-508	1/8	3/4	.012	.204	.81	C-622	11/32	1	.041	.461	9.74	C-718	13/32	2	.047	.843	12.4	C-814	1-3/8	2-1/2	.135	1.114	67.6
C-510	1/4	1/2	.035	.262	11.4	C-624	3/8	1-1/8	.041	.461	9.0	C-720	1/2	1-3/4	.062	.859	21.4	C-816	1-1/4	2-7/8	.135	1.35	74.0
C-512	1/8	1	.014	.298	1.56	C-626	5/16	1-5/8	.041	.779	10.6	C-722	1/2	2	.047	.641	10.2	C-818	1-1/8	4	.120	1.727	59.6
C-514	3/8	1/2	.048	.238	13.4	C-628	7/16	3/4	.028	.168	2.50	C-724	7/16	2	.054	.932	16.3	C-820	13/16	3-3/4	.135	2.565	110.0
C-516	5/32	1	.011	.138	.62	C-630	7/16	1	.047	.380	11.6	C-726	1/2	2	.072	1.15	31.3	C-822	15/16	4	.148	2.632	124.0
C-518	5/32	1	.028	.595	9.23	C-632	7/16	1-1/16	.041	.359	7.77	C-728	9/16	2-3/8	.08	1.36	37.5	C-824	7/8	2-3/4	.148	1.928	132.0
C-520	3/16	7/8	.016	.272	.81	C-634	1/8	1-3/4	.014	.497	1.56	C-730	13/32	2-3/4	.047	1.128	12.4	C-826	1	3-1/2	.120	1.717	66.6
C-522	3/16	1	.020	.290	3.09	C-636	5/32	1-3/4	.016	.432	1.87	C-732	1/2	2-1/2	.062	1.188	21.4	C-828	3/4	3-1/2	.135	2.531	111.0
C-524	5/32	1	.016	.264	1.87	C-638	3/16	1-3/4	.028	.812	7.86	C-734	15/32	2-1/2	.054	1.040	15.4	C-830	1-1/8	3	.105	1.108	41.6
C-526	3/16	1	.028	.483	7.86	C-640	3/16	1-3/4	.016	.320	1.57	C-736	1/2	2-3/4	.072	1.560	31.3	C-832	1	3	.120	1.536	66.6
C-528	7/32	1	.028	.399	6.84	C-642	3/16	1-3/4	.013	.218	.85	C-738	1/2	3	.047	.914	10.2	C-834	1-3/16	2-3/4	.120	1.205	56.6
C-530	7/32	1	.020	.235	2.60	C-650	7/32	1-3/4	.013	.375	2.60	C-740	5/8	2-1/2	.080	1.140	44.2	C-836	7/8	4	.080	1.28	24.8
C-532	3/16	1	.013	.140	.85	C-652	7/32	1-3/8	.028	.526	6.84	C-742	5/8	2-3/4	.054	.770	11.7	C-838	3/4	3-1/2	.080	1.38	28.7
C-550	3/16	1	.016	.200	1.57	C-654	1/4	1-3/4	.035	.762	11.40	C-750	3/4	2	.080	.86	28.7	C-840	11/16	4	.105	2.45	65.6
C-552	7/32	1	.016	.160	1.35	C-656	1/4	1-3/4	.020	.305	2.29	C-752	15/16	2	.080	.667	23						