

HARDWARE PRODUCTS COMPANY, LP

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

STOCK COMPRESSION SPRINGS

	Will go in Wire Diam	1/8				5/32				3/16					7/32							
		.012	.016	.020	.023	.012	.016	.020	.023	.016	.020	.023	.026	.029	.031	.016	.020	.023	.026	.029	.031	
1/4	Catlog No.	01001	01002	01003	01004	02001	02002	02003	02004	03001	03002	03003	03004	03005	03006	04001	04002	04003	04004	04005	04006	
	Price Code	CB	CC	CD	CD	CB	CD	CC	CC	CC	CC	CC	CC	CC	CE	CC	CC	CC	CC	CC	CF	CF
	lbs./in.	5.3	16	46	83.0	3.8	10	23	47.0	7.6	20.6	31	59	95	121	6.0	13.0	23.0	38	58	83	
	Max. Defl.	.17	.13	.08	.06	.19	.15	.12	.09	.17	.12	.12	.09	.07	.07	.16	.16	.14	.12	.11	.09	
5/16	Catlog No.	01005	01006	01007	01008	02005	02006	02007	02008	03007	03008	03009	03010	03011	03012	04007	04008	04009	04010	04011	04012	
	Price Code	CB	CC	CC	CC	CB	CC	CC	CC	CC	CC	CC	CC	CE	CE	CC	CC	CC	CC	CC	CF	CF
	lbs./in.	3.9	11.0	36	59	2.7	7.3	18.0	34	5.4	15.9	22.0	45	72	86	4.2	9.9	16.0	29.2	44	57	
	Max. Defl.	.21	.16	.10	.09	.24	.19	.16	.13	.22	.16	.16	.12	.10	.10	.23	.21	.18	.16	.14	.13	
3/8	Catlog No.	01009	01010	01011	01012	02009	02010	02011	02012	03013	03014	03015	03016	03017	03018	04013	04014	04015	04016	04017	04018	
	Price Code	CB	CC	CC	CC	CB	CC	CC	CC	CC	CC	CC	CC	CE	CE	CC	CC	CC	CF	CF	CF	
	lbs./in.	3.4	9.9	28.8	51	2.4	6.4	15.0	28.5	4.7	12.9	19.0	36	58	72	3.8	7.9	14.0	23.5	34	49	
	Max. Defl.	.27	.21	.13	.10	.30	.25	.20	.16	.27	.20	.20	.15	.12	.12	.25	.25	.23	.20	.17	.15	
7/16	Catlog No.	01013	01014	01015	01016	02013	02014	02015	02016	03019	03020	03021	03022	03023	03024	04019	04020	04021	04022	04023	04024	
	Price Code	CB	CC	CC	CC	CB	CC	CC	CC	CC	CC	CC	CE	CE	CE	CD	CD	CD	CF	CF	CF	
	lbs./in.	2.9	8.4	24.3	43	2.1	5.5	12.0	24.2	4.0	10.9	16.0	30	48	60	3.2	6.7	12.0	19.7	29.0	41	
	Max. Defl.	.31	.24	.15	.12	.34	.29	.23	.19	.32	.23	.24	.18	.15	.14	.30	.29	.27	.23	.21	.18	
1/2	Catlog No.	01017	01018	01019	01020	02017	02018	02019	02020	03025	03026	03027	03028	03029	03030	04025	04026	04027	04028	04029	04030	
	Price Code	CB	CC	CC	CC	CB	CC	CC	CE	CC	CC	CE	CE	CE	CE	CD	CD	CD	CF	CF	CF	
	lbs./in.	2.5	7.4	21.0	37	1.8	4.8	11.0	21.0	3.5	9.4	14.0	26.1	41	52	2.8	5.8	11.0	16.9	25.0	36	
	Max. Defl.	.36	.28	.18	.14	.40	.33	.28	.21	.37	.27	.27	.20	.17	.16	.34	.34	.30	.27	.25	.21	
9/16	Catlog No.	01021	01022	01023	01024	02021	02022	02023	02024	03031	03032	03033	03034	03035	03036	04031	04032	04033	04034	04035	04036	
	Price Code	CB	CD	CD	CF	CB	CC	CC	CE	CC	CC	CE	CE	CE	CE	CD	CD	CF	CF	CF	CF	
	lbs./in.	2.1	5.9	18.5	31.0	1.4	3.9	9.4	17.5	2.8	8.3	11.0	22.9	36.0	43.0	2.2	5.1	8.2	14.9	22.0	28.0	
	Max. Defl.	.40	.30	.20	.17	.45	.38	.30	.26	.42	.31	.30	.23	.20	.20	.44	.39	.35	.31	.29	.26	
5/8	Catlog No.	01025	01026	01027	01028	02025	02026	02027	02028	03037	03038	03039	03040	03041	03042	04037	04038	04039	04040	04041	04042	
	Price Code	CB	CD	CD	CF	CB	CC	CE	CE	CC	CC	CE	CE	CE	CE	CD	CD	CF	CF	CF	CF	
	lbs./in.	2.0	5.9	16.5	29.4	1.4	3.8	8.4	16.6	2.8	7.4	11.0	20.4	32.0	41.0	2.2	4.5	8.3	13.3	19.0	28.0	
	Max. Defl.	.45	.35	.23	.18	.50	.42	.34	.27	.46	.35	.35	.26	.22	.21	.44	.44	.39	.35	.32	.27	
3/4	Catlog No.	01029	01030	01031	01032	02029	02030	02031	02032	03043	03044	03045	03046	03047	03048	04043	04044	04045	04046	04047	04048	
	Price Code	CB	CD	CF	CH	CB	CC	CE	CE	CC	CC	CE	CE	CE	CE	CD	CF	CF	CF	CF	CF	
	lbs./in.	1.7	4.8	13.6	24.0	1.2	3.1	6.9	13.5	2.3	6.1	9.1	16.7	26.5	33.0	1.8	3.7	6.7	10.9	16.0	23.0	
	Max. Defl.	.54	.43	.27	.22	.60	.50	.42	.34	.56	.42	.42	.32	.27	.26	.53	.54	.48	.43	.40	.33	
7/8	Catlog No.	01033	01034	01035	01036	02033	02034	02035	02036	03049	03050	03051	03052	03053	03054	04049	04050	04051	04052	04053	04054	
	Price Code	CB	CD	CH	CH	CB	CC	CE	CE	CC	CE	CE	CE	CE	CI	CD	CF	CF	CF	CJ	CJ	
	lbs./in.	1.4	4.1	11.6	20.4	1.0	2.7	5.9	11.5	1.9	5.2	7.7	14.2	22.4	28.0	1.5	3.2	5.7	9.2	13.0	19.0	
	Max. Defl.	.64	.5	.32	.26	.71	.60	.49	.40	.66	.50	.50	.38	.32	.31	.62	.62	.57	.51	.45	.40	
1	Catlog No.	01037	01038	01039	01040	02037	02038	02039	02040	03055	03056	03057	03058	03059	03060	04055	04056	04057	04058	04059	04060	
	Price Code	CB	CD	CH	CH	CB	CC	CE	CE	CC	CE	CE	CE	CE	CI	CD	CF	CF	CF	CJ	CJ	
	lbs./in.	1.2	3.6	10.1	17.7	.90	2.3	5.1	10.0	1.7	4.5	6.7	12.3	19.4	24.3	1.4	2.8	5.0	8.0	12.0	17.0	
	Max. Defl.	.74	.57	.37	.31	.8	.68	.56	.46	.76	.57	.58	.43	.37	.36	.71	.75	.66	.58	.53	.44	
1-1/4	Catlog No.	01041	01042	01043	01044	02041	02042	02043	02044	03061	03062	03063	03064	03065	03066	04061	04062	04063	04064	04065	04066	
	Price Code	CB	CH	CH	CH	CB	CE	CE	CE	CC	CE	CE	CE	CJ	CJ	CF	CF	CF	CJ	CJ	CJ	
	lbs./in.	1.0	2.8	8.0	14.0	.70	1.8	4.1	7.9	1.4	3.6	5.3	9.8	15.4	19.2	1.1	2.2	3.9	6.3	9.2	13.0	
	Max. Defl.	.92	.72	.47	.39	1.0	.86	.73	.58	.95	.72	.73	.55	.47	.45	.90	.90	.83	.74	.68	.58	
1-1/2	Catlog No.	01045	01046	01047	01048	02045	02046	02047	02048	03067	03068	03069	03070	03071	03072	04067	04068	04069	04070	04071	04072	
	Price Code	CB	CI	CI	CI	CB	CE	CE	CE	CE	CE	CE	CJ	CJ	CK	CF	CF	CF	CJ	CJ	CK	
	lbs./in.	.82	2.3	6.6	11.6	.60	1.5	3.4	6.6	1.1	3.0	4.4	8.1	12.7	15.8	.89	1.8	3.3	5.2	7.6	11.0	
	Max. Defl.	1.1	.87	.57	.47	1.2	1.0	.88	.69	1.1	.86	.88	.66	.57	.55	1.0	1.1	1.0	.90	.82	.69	
1-3/4	Catlog No.									03073	03074	03075	03076	03077	03078	04073	04074	04075	04076	04077	04078	
	Price Code									CE	CE	CJ	CJ	CJ	CK	CF	CF	CJ	CJ	CK	CK	
	lbs./in.									1.0	2.5	3.8	6.9	10.8	13.5	.76	1.6	2.8	4.5	6.5	9.3	
	Max. Defl.									1.35	1.0	1.0	.78	.67	.65	1.2	1.3	1.1	1.0	.96	.81	
2	Catlog No.									03079	03080	03081	03082	03083	03084	04079	04080	04081	04082	04083	04084	
	Price Code									CE	CE	CJ	CJ	CK	CK	CF	CF	CJ	CJ	CK	CK	
	lbs./in.									.84	2.2	3.3	6.0	9.4	11.8	.67	1.4	2.4	3.9	5.6	8.1	
	Max. Defl.									1.5	1.1	1.1	.90	.77	.74	1.4	1.5	1.3	1.2	1.1	.93	
	Maximum Load	.92	2.1	3.8	5.5	.73	1.6	3.0	4.6	1.3	2.6	3.9	5.4	7.3	8.8	.98	2.1	3.3	4.7	6.2	7.6	
	Will work free over	.090	.082	.075	.071	.123	.112	.104	.098	.142	.134	.128	.124	.116	.112	.172	.163	.158	.153	.145	.142	
	Pitch	.049	.039	.042	.037	.072	.055	.047	.046	.074	.077	.059	.065	.062	.054	.097	.084	.074	.072	.068	.065	

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STOCK COMPRESSION SPRINGS

	Will go in Wire Diam	1/4								5/16								
		.020	.023	.026	.029	.031	.035	.038	.042	.047	.023	.026	.029	.031	.035	.038	.042	.047
1/4	Catlog No.	05001	05002	05003	05004	05005	05006	05007	05008	05009								
	Price Code	CD	CD	CD	CD	CF	CF	CF	CF	CF								
	lbs./in.	11.0	18.0	36	55	62	118	176	264	467								
	Max. Defl.	.17	.15	.11	.10	.10	.07	.06	.05	.04								
5/16	Catlog No.	05010	05011	05012	05013	05014	05015	05016	05017	05018								
	Price Code	CD	CD	CD	CF	CF	CF	CF	CF	CF								
	lbs./in.	8.5	13.0	27.1	42	43	88	129	192	308								
	Max. Defl.	.22	.20	.15	.13	.15	.10	.09	.08	.06								
3/8	Catlog No.	05019	05020	05021	05022	05023	05024	05025	05026	05027	06001	06002	06003	06004	06005	06006	06007	06008
	Price Code	CD	CD	CD	CF	CF	CF	CF	CF	CJ	CD	CH	CH	CH	CH	CH	CH	CJ
	lbs./in.	6.9	11.0	21.8	33	37	70	102	150	254	8.8	14.6	18.0	23.0	37	65	95	135
	Max. Defl.	.27	.25	.18	.16	.18	.13	.11	.10	.08	.27	.22	.23	.22	.20	.14	.13	.12
7/16	Catlog No.	05028	05029	05030	05031	05032	05033	05034	05035	05036	06009	06010	06011	06012	06013	06014	06015	06016
	Price Code	CD	CD	CF	CF	CF	CF	CJ	CJ	CJ	CD	CH	CH	CH	CH	CH	CJ	CJ
	lbs./in.	5.8	9.4	18.3	28.0	31	58	85	124	210	6.6	12.3	15.0	20.0	31	54	78	110
	Max. Defl.	.32	.29	.22	.20	.21	.16	.13	.12	.10	.33	.26	.28	.27	.24	.17	.16	.15
1/2	Catlog No.	05037	05038	05039	05040	05041	05042	05043	05044	05045	06017	06018	06019	06020	06021	06022	06023	06024
	Price Code	CD	CF	CF	CF	CF	CH	CH	CJ	CJ	CH	CH	CH	CH	CH	CH	CJ	CJ
	lbs./in.	5.0	8.2	15.7	24.0	27.0	49	72	105	180	5.7	10.5	13.0	17.0	26.0	46	66	95
	Max. Defl.	.38	.34	.26	.23	.25	.19	.16	.14	.11	.38	.31	.33	.31	.28	.20	.19	.18
9/16	Catlog No.	05046	05047	05048	05049	05050	05051	05052	05053	05054	06025	06026	06027	06028	06029	06030	06031	06032
	Price Code	CD	CH	CH	CH	CH	CH	CJ	CJ	CJ	CH	CH	CH	CH	CJ	CJ	CJ	CL
	lbs./in.	4.4	6.6	13.8	21.0	21.0	43	63	92	144	4.8	9.3	11.0	14.0	23.0	40	58	79
	Max. Defl.	.43	.39	.29	.26	.30	.21	.18	.16	.14	.43	.35	.38	.35	.32	.24	.21	.21
5/8	Catlog No.	05055	05056	05057	05058	05059	05060	05061	05062	05063	06033	06034	06035	06036	06037	06038	06039	06040
	Price Code	CD	CH	CH	CH	CH	CH	CJ	CJ	CL	CH	CH	CH	CH	CJ	CK	CK	CL
	lbs./in.	4.0	6.5	12.3	18.7	21.0	38	56	81	140	4.5	8.2	10.0	13.0	20.0	35	51	73
	Max. Defl.	.47	.43	.33	.29	.32	.24	.21	.19	.15	.48	.40	.43	.40	.36	.27	.24	.23
3/4	Catlog No.	05064	05065	05066	05067	05068	05069	05070	05071	05072	06041	06042	06043	06044	06045	06046	06047	06048
	Price Code	CD	CH	CH	CH	CH	CJ	CJ	CL	CL	CH	CH	CH	CH	CK	CK	CL	CL
	lbs./in.	3.3	5.3	10.1	15.3	17.0	31	45	66	111	3.7	6.8	8.2	11.0	17.0	28.7	41	59
	Max. Defl.	.57	.52	.40	.36	.40	.30	.26	.23	.18	.59	.48	.52	.49	.45	.33	.30	.29
7/8	Catlog No.	05073	05074	05075	05076	05077	05078	05079	05080	05081	06049	06050	06051	06052	06053	06054	06055	06056
	Price Code	CH	CH	CH	CH	CJ	CJ	CJ	CL	CM	CH	CH	CI	CK	CK	CK	CL	CM
	lbs./in.	2.8	4.5	8.6	13.0	14.0	26.4	38	55	93	3.1	5.7	6.9	9.1	14.0	24.2	35	50
	Max. Defl.	.67	.62	.47	.43	.48	.35	.31	.28	.22	.69	.57	.62	.58	.53	.39	.36	.34
1	Catlog No.	05082	05083	05084	05085	05086	05087	05088	05089	05090	06057	06058	06059	06060	06061	06062	06063	06064
	Price Code	CH	CH	CH	CH	CJ	CJ	CL	CL	CM	CI	CI	CK	CK	CL	CL	CL	CN
	lbs./in.	2.4	3.9	7.4	11.3	13.0	22.9	33	48	80	2.7	5.0	6.1	7.9	12.0	20.9	30	43
	Max. Defl.	.79	.71	.55	.49	.52	.41	.35	.32	.26	.80	.66	.72	.67	.61	.45	.42	.40
1-1/4	Catlog No.	05091	05092	05093	05094	05095	05096	05097	05098	05099	06065	06066	06067	06068	06069	06070	06071	06072
	Price Code	CH	CH	CH	CJ	CJ	CL	CL	CM	CN	CI	CI	CK	CK	CL	CL	CM	CN
	lbs./in.	1.9	3.1	5.9	8.9	9.8	18.0	26.0	38.0	63.0	2.2	3.9	4.8	6.2	9.7	16.5	23.7	33
	Max. Defl.	1.0	.90	.69	.62	.69	.52	.45	.40	.33	1.0	.84	.89	.85	.78	.58	.53	.52
1-1/2	Catlog No.	05100	05101	05102	05103	05104	05105	05106	05107	05108	06073	06074	06075	06076	06077	06078	06079	06080
	Price Code	CH	CH	CJ	CJ	CL	CL	CM	CN	CN	CI	CI	CK	CL	CM	CM	CN	CO
	lbs./in.	1.6	2.6	4.9	7.4	8.1	14.9	21.5	31	52	1.8	3.3	4.0	5.2	8.0	13.6	19.5	27.0
	Max. Defl.	1.1	1.1	.83	.75	.83	.63	.54	.49	.40	1.2	1.0	1.1	1.0	.96	.70	.64	.64
1-3/4	Catlog No.	05109	05110	05111	05112	05113	05114	05115	05116	05117	06081	06082	06083	06084	06085	06086	06087	06088
	Price Code	CH	CJ	CJ	CJ	CL	CM	CM	CN	CO	CI	CK	CL	CL	CM	CM	CN	CP
	lbs./in.	1.4	2.2	4.1	6.3	6.9	12.7	18.2	26.3	44	1.5	2.8	3.4	4.4	6.8	11.5	16.6	23.0
	Max. Defl.	1.4	1.3	1.0	.88	.98	.74	.64	.58	.47	1.4	1.1	1.2	1.2	1.1	.83	.75	.75
2	Catlog No.	05118	05119	05120	05121	05122	05123	05124	05125	05126	06089	06090	06091	06092	06093	06094	06095	06096
	Price Code	CH	CJ	CJ	CL	CM	CM	CN	CN	CP	CK	CK	CL	CL	CN	CN	CN	CP
	lbs./in.	1.2	1.9	3.6	5.5	6.0	11.0	15.9	22.9	38	1.3	2.4	2.9	3.8	5.9	10.0	14.4	20.0
	Max. Defl.	1.5	1.4	1.1	1.0	1.1	.85	.74	.67	.55	1.6	1.3	1.4	1.4	1.2	.96	.87	.86
3	Catlog No.	05127	05128	05129	05130	05131	05132	05133	05134	05135	06097	06098	06099	06100	06101	06102	06103	06104
	Price Code	CJ	CJ	CL	CM	CN	CN	CO	CP	CR	CK	CL	CM	CN	CO	CN	CP	CR
	lbs./in.	.78	1.3	2.4	3.6	3.6	7.3	10.4	15.0	22.0	.88	1.6	1.9	2.5	3.9	6.6	9.5	13.0
	Max. Defl.	2.4	2.2	1.7	1.5	1.7	1.2	1.1	1.0	.95	2.5	2.0	2.2	2.1	1.9	1.4	1.3	1.3
	Maximum Load	1.9	2.9	4.1	5.6	6.4	9.4	11.8	15.4	21.0	2.2	3.3	4.2	5.4	7.6	9.6	12.6	17.3
	Will work free over	.195	.188	.184	.176	.172	.164	.156	.150	.140	.249	.244	.236	.233	.224	.216	.210	.201
	Pitch	.107	.092	.105	.098	.077	.085	.084	.076	.071	.139	.148	.119	.110	.105	.116	.106	.091

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STOCK COMPRESSION SPRINGS

Will go in		3/8										7/16									
Wire Diam		.026	.029	.031	.035	.038	.042	.047	.051	.055	.059	.062	.031	.035	.038	.042	.047	.051	.055	.059	.062
3/8	Catlog No.	07001	07002	07003	07004	07005	07006	07007	07008	07009	07010	07011									
	Price Code	CD	CD	CD	CD	CI	CI	CK	CK	CK	CL										
	lbs./in.	11.7	15.7	17.0	34	46	66	90	122	178	245	320									
	Max. Defl.	.23	.24	.25	.18	.17	.16	.16	.14	.12	.11	.08									
7/16	Catlog No.	07012	07013	07014	07015	07016	07017	07018	07019	07020	07021	07022	08001	08002	08003	08004	08005	08006	08007	08008	08009
	Price Code	CD	CD	CD	CD	CI	CI	CK	CK	CL	CL		CE	CE	CE	CI	CI	CK	CK	CL	CL
	lbs./in.	9.8	13.1	15.0	27.9	38	54	75	101	143	196	260	12.0	20.8	28.2	42	55	86	120	145	180
	Max. Defl.	.28	.29	.30	.22	.21	.19	.19	.18	.15	.13	.10	.31	.26	.24	.22	.23	.18	.16	.16	.12
1/2	Catlog No.	07023	07024	07025	07026	07027	07028	07029	07030	07031	07032	07033	08010	08011	08012	08013	08014	08015	08016	08017	08018
	Price Code	CD	CD	CD	CD	CI	CK	CK	CL	CL	CL		CE	CE	CI	CI	CK	CK	CL	CL	CM
	lbs./in.	8.5	11.2	13.0	23.8	33	46	64	85	119	168	220	10.0	17.8	24.0	35	47	72	101	120	150
	Max. Defl.	.32	.33	.35	.26	.24	.23	.22	.21	.18	.16	.11	.37	.31	.29	.26	.27	.22	.19	.19	.15
9/16	Catlog No.	07034	07035	07036	07037	07038	07039	07040	07041	07042	07043	07044	08019	08020	08021	08022	08023	08024	08025	08026	08027
	Price Code	CD	CD	CD	CD	CI	CI	CK	CK	CL	CM	CM	CE	CE	CI	CI	CK	CK	CL	CM	CM
	lbs./in.	7.4	9.8	10.0	20.8	28.4	40	52	74	104	144	176	8.2	15.5	20.9	31	39	62	87	102	124
	Max. Defl.	.37	.38	.39	.30	.28	.26	.27	.24	.21	.18	.14	.41	.36	.33	.30	.31	.25	.22	.23	.18
5/8	Catlog No.	07045	07046	07047	07048	07049	07050	07051	07052	07053	07054	07055	08028	08029	08030	08031	08032	08033	08034	08035	08036
	Price Code	CD	CD	CD	CD	CI	CI	CK	CL	CL	CM	CM	CE	CI	CI	CI	CK	CL	CL	CM	CM
	lbs./in.	6.6	8.8	9.9	18.5	25.2	35	49	65	91	125	165	7.9	13.8	18.5	27.1	36	55	76	91	125
	Max. Defl.	.42	.43	.44	.34	.32	.30	.29	.28	.24	.21	.15	.47	.40	.37	.34	.35	.28	.25	.26	.18
3/4	Catlog No.	07056	07057	07058	07059	07060	07061	07062	07063	07064	07065	07066	08037	08038	08039	08040	08041	08042	08043	08044	08045
	Price Code	CD	CD	CD	CI	CI	CK	CL	CM	CM	CN	CN	CE	CI	CI	CK	CL	CM	CN	CO	CO
	lbs./in.	5.4	7.2	8.0	15.1	20.5	28.8	39	52	72	100	130	6.4	11.2	15.1	22.0	29.0	44	61	72	90
	Max. Defl.	.51	.52	.54	.42	.39	.36	.37	.34	.31	.27	.20	.57	.50	.46	.42	.43	.36	.32	.32	.25
7/8	Catlog No.	07067	07068	07069	07070	07071	07072	07073	07074	07075	07076	07077	08046	08047	08048	08049	08050	08051	08052	08053	08054
	Price Code	CD	CD	CI	CI	CI	CK	CL	CM	CN	CO	CO	CI	CI	CI	CK	CL	CM	CM	CO	CO
	lbs./in.	4.6	6.1	6.8	12.7	17.3	24.3	33	43	61	84	110	5.4	9.5	12.7	18.5	24.0	37	51	61	75
	Max. Defl.	.60	.62	.64	.50	.46	.43	.44	.41	.36	.32	.23	.68	.58	.55	.50	.52	.42	.38	.38	.30
1	Catlog No.	07078	07079	07080	07081	07082	07083	07084	07085	07086	07087	07088	08055	08056	08057	08058	08059	08060	08061	08062	08063
	Price Code	CD	CE	CI	CI	CI	CK	CM	CN	CO	CO	CO	CI	CI	CK	CK	CM	CM	CN	CO	CO
	lbs./in.	4.0	5.3	5.9	11.0	15.0	21.0	29.0	38	52	72	94	4.7	8.2	11.0	16.0	21.0	32	44	52	65
	Max. Defl.	.70	.71	.74	.58	.54	.50	.50	.47	.43	.37	.27	.79	.68	.63	.58	.60	.49	.44	.45	.35
1-1/4	Catlog No.	07089	07090	07091	07092	07093	07094	07095	07096	07097	07098	07099	08064	08065	08066	08067	08068	08069	08070	08071	08072
	Price Code	CE	CI	CI	CI	CK	CL	CN	CO	CO	CP	CP	CI	CI	CK	CL	CN	CN	CO	CP	CP
	lbs./in.	3.2	4.2	4.7	8.7	11.8	16.5	22.0	30	41	56	73	3.7	6.5	8.7	12.6	16.0	25.0	34	40	50
	Max. Defl.	.87	.90	.94	.73	.68	.64	.66	.60	.54	.48	.35	1.0	.86	.80	.73	.77	.63	.57	.59	.45
1-1/2	Catlog No.	07100	07101	07102	07103	07104	07105	07106	07107	07108	07109	07110	08073	08074	08075	08076	08077	08078	08079	08080	08081
	Price Code	CE	CI	CI	CK	CK	CM	CO	CO	CP	CQ	CQ	CI	CK	CL	CL	CN	CO	CP	CQ	CQ
	lbs./in.	2.6	3.4	3.8	7.2	9.7	13.6	18.0	24.0	33	46	60	3.1	5.3	7.1	10.4	14.0	20.5	28.2	33	41
	Max. Defl.	1.0	1.1	1.1	.88	.83	.77	.81	.75	.67	.58	.43	1.2	1.0	.98	.89	.90	.77	.69	.71	.55
1-3/4	Catlog No.	07111	07112	07113	07114	07115	07116	07117	07118	07119	07120	07121	08082	08083	08084	08085	08086	08087	08088	08089	08090
	Price Code	CI	CI	CK	CK	CL	CM	CO	CP	CQ	CR	CR	CK	CK	CL	CM	CO	CO	CP	CR	CR
	lbs./in.	2.2	2.9	3.3	6.1	8.3	11.5	16.0	21.0	29.0	39	51	2.6	4.5	6.1	8.8	11.0	17.4	23.9	28.0	35
	Max. Defl.	1.2	1.3	1.3	1.0	.97	.92	.91	.86	.77	.69	.50	1.4	1.2	1.1	1.0	1.1	.91	.82	.84	.65
2	Catlog No.	07122	07123	07124	07125	07126	07127	07128	07129	07130	07131	07132	08091	08092	08093	08094	08095	08096	08097	08098	08099
	Price Code	CI	CI	CK	CL	CL	CN	CO	CQ	CR	CR	CR	CK	CL	CL	CN	CP	CP	CQ	CR	CR
	lbs./in.	1.9	2.6	2.9	5.3	7.2	10.0	14.0	18.0	25.0	34	44	2.3	4.0	5.3	7.7	10.0	15.1	20.8	24.0	30
	Max. Defl.	1.4	1.4	1.5	1.2	1.1	1.0	1.0	1.0	.89	.79	.59	1.6	1.4	1.3	1.2	1.2	1.0	.94	.98	.76
3	Catlog No.	07133	07134	07135	07136	07137	07138	07139	07140	07141	07142	07143	08100	08101	08102	08103	08104	08105	08106	08107	08108
	Price Code	CI	CK	CM	CM	CO	CP	CR	CR	CS	CS	CT	CL	CM	CN	CO	CQ	CR	CR	CS	CT
	lbs./in.	1.3	1.7	1.9	3.5	4.7	6.6	8.9	12.0	16.0	22.0	29.0	1.5	2.6	3.5	5.0	6.6	9.9	13.6	16.0	20.0
	Max. Defl.	2.1	2.2	2.3	1.8	1.7	1.6	1.6	1.5	1.4	1.2	.89	2.4	2.1	2.0	1.8	1.9	1.6	1.4	1.4	1.1
4	Catlog No.	07144	07145	07146	07147	07148	07149	07150	07151	07152	07153	07154	08109	08110	08111	08112	08113	08114	08115	08116	08117
	Price Code	CK	CL	CN	CO	CP	CQ	CS	CS	CT	CU	CU	CN	CO	CO	CQ	CS	CS	CT	CT	CU
	lbs./in.	.96	1.3	1.4	2.6	3.5	4.9	6.6	8.7	12.0	16.0	21.0	1.1	1.9	2.6	3.7	4.9	7.3	10.1	12.0	15.0
	Max. Defl.	2.9	2.9	3.1	2.4	2.3	2.1	2.2	2.0	1.8	1.6	1.2	3.3	2.9	2.6	2.5	2.5	2.1	1.9	1.9	1.5
Maximum Load	2.8	3.8	4.4	6.4	8.1	10.6	14.6	18.2	22.4	27.1	26.0	3.7	5.6	7.0	9.3	12.7	15.9	19.6	23.7	22.9	
Will work free over	.303	.298	.293	.285	.277	.271	.261	.253	.245	.237	.231	.347	.339	.331	.325	.315	.307	.299	.291	.285	
Pitch	.215	.177	.149	.163	.154	.138	.113	.111	.109	.108	.106	.195	.202	.189	.177	.141	.148	.145	.132	.128	

HARDWARE PRODUCTS COMPANY, LP

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

STOCK COMPRESSION SPRINGS

Will go in		1/2										5/8										
Wire Diam		.038	.042	.047	.051	.055	.059	.062	.072	.078	.085	.094	.047	.051	.055	.059	.062	.072	.078	.085	.094	
1/2	Catlog No.	10001	10002	10003	10004	10005	10006	10007	10008	10009	10010	10011										
	Price Code	CI	CI	CK	CK	CL	CL	CM	CO	CO	CP	CP										
	lbs./in.	19.6	28.7	37	56	80	99	110	215	320	467	840										
9/16	Catlog No.	10012	10013	10014	10015	10016	10017	10018	10019	10020	10021	10022										
	Price Code	CI	CI	CK	CK	CL	CM	CN	CO	CP	CQ	CQ										
	lbs./in.	17.1	24.9	30	49	69	85	91	178	256	393	654										
5/8	Catlog No.	10023	10024	10025	10026	10027	10028	10029	10030	10031	10032	10033	11001	11002	11003	11004	11005	11006	11007	11008	11009	
	Price Code	CI	CI	CK	CL	CL	CM	CN	CO	CP	CQ	CQ	CK	CM	CM	CN	CN	CP	CQ	CQ	CR	
	lbs./in.	15.2	22.0	29.0	43	61	75	85	156	240	339	610	20.0	25.0	41	49	54	98	140	204	320	
3/4	Catlog No.	10034	10035	10036	10037	10038	10039	10040	10041	10042	10043	10044	11010	11011	11012	11013	11014	11015	11016	11017	11018	
	Price Code	CI	CK	CM	CM	CM	CN	CO	CP	CQ	CR	CR	CM	CM	CM	CN	CO	CQ	CQ	CR	CS	
	lbs./in.	12.4	17.9	23.0	35	49	60	68	123	185	266	470	16.0	20.0	33	39	43	78	105	160	250	
7/8	Catlog No.	10045	10046	10047	10048	10049	10050	10051	10052	10053	10054	10055	11019	11020	11021	11022	11023	11024	11025	11026	11027	
	Price Code	CI	CK	CM	CM	CM	CO	CO	CQ	CQ	CR	CS	CM	CM	CN	CO	CP	CQ	CR	CR	CS	
	lbs./in.	10.4	15.1	19.0	29.0	41	50	56	103	155	219	384	13.0	17.0	27.9	33	36	64	90	132	204	
1	Catlog No.	10056	10057	10058	10059	10060	10061	10062	10063	10064	10065	10066	11028	11029	11030	11031	11032	11033	11034	11035	11036	
	Price Code	CK	CK	CM	CM	CN	CO	CP	CQ	CR	CS	CS	CM	CN	CN	CP	CP	CQ	CR	CS	CT	
	lbs./in.	9.0	13.0	17.0	25.0	35	43	48	88	130	186	320	11.0	14.0	24.0	28.2	31	55	77	112	170	
1-1/4	Catlog No.	10067	10068	10069	10070	10071	10072	10073	10074	10075	10076	10077	11037	11038	11039	11040	11041	11042	11043	11044	11045	
	Price Code	CK	CM	CN	CN	CO	CP	CQ	CR	CS	CS	CT	CM	CO	CO	CP	CQ	CR	CS	CT	CT	
	lbs./in.	7.1	10.2	13.0	19.5	27.4	33	38	68	100	143	245	9.0	11.0	18.7	22.0	24.0	42	59	86	130	
1-1/2	Catlog No.	10078	10079	10080	10081	10082	10083	10084	10085	10086	10087	10088	11046	11047	11048	11049	11050	11051	11052	11053	11054	
	Price Code	CK	CM	CN	CO	CP	CQ	CQ	CS	CS	CT	CT	CN	CP	CP	CQ	CQ	CS	CT	CT	CU	
	lbs./in.	5.9	8.4	11.0	16.0	22.4	27.4	31	56	83	116	200	7.4	9.2	15.4	18.0	20.0	35	48	70	105	
1-3/4	Catlog No.	10089	10090	10091	10092	10093	10094	10095	10096	10097	10098	10099	11055	11056	11057	11058	11059	11060	11061	11062	11063	
	Price Code	CM	CM	CO	CP	CP	CQ	CR	CS	CT	CT	CU	CO	CP	CP	CQ	CR	CS	CT	CU	CU	
	lbs./in.	5.0	7.2	9.1	13.6	19.0	23.2	26.0	47	70	98	170	6.2	7.9	13.0	15.2	17.0	29.3	41	59	90	
2	Catlog No.	10100	10101	10102	10103	10104	10105	10106	10107	10108	10109	10110	11064	11065	11066	11067	11068	11069	11070	11071	11072	
	Price Code	CM	CM	CP	CP	CQ	CR	CS	CT	CT	CU	CU	CP	CQ	CQ	CR	CS	CT	CU	CU	CV	
	lbs./in.	4.3	6.2	7.9	11.8	16.5	20.1	23.0	41	60	84	145	5.4	6.8	11.3	13.2	14.0	25.3	35	51	77	
3	Catlog No.	10111	10112	10113	10114	10115	10116	10117	10118	10119	10120	10121	11073	11074	11075	11076	11077	11078	11079	11080	11081	
	Price Code	CN	CP	CQ	CR	CR	CS	CT	CU	CV	CV	CW	CQ	CR	CR	CS	CT	CU	CV	CV	CW	
	lbs./in.	2.8	4.1	5.2	7.7	10.8	13.1	15.0	26.0	39	54	94	3.6	4.5	7.4	8.6	9.4	16.4	23.0	33	50	
4	Catlog No.	10122	10123	10124	10125	10126	10127	10128	10129	10130	10131	10132	11082	11083	11084	11085	11086	11087	11088	11089	11090	
	Price Code	CP	CQ	CR	CS	CS	CT	CU	CV	CV	CW	CX	CR	CS	CS	CT	CU	CV	CW	CW	CX	
	lbs./in.	2.1	3.0	3.9	5.8	8.0	9.7	11.0	20.0	29.0	40	69	2.6	3.3	5.5	6.4	6.9	12.2	17.0	24.0	37	
6	Catlog No.	10133	10134	10135	10136	10137	10138	10139	10140	10141	10142	10143	11091	11092	11093	11094	11095	11096	11097	11098	11099	
	Price Code	CQ	CR	CT	CT	CU	CV	CV	CX	CY	CY	CZ	CS	CU	CU	CU	CV	CW	CX	CY	CZ	
	lbs./in.	1.4	2.0	2.5	3.8	5.3	6.4	7.0	13.0	17.0	26.0	45	1.8	2.2	3.6	4.2	4.6	8.0	11.0	16.0	24.0	
Maximum Load		6.2	8.1	11.2	14.0	17.3	20.9	20.2	30	37	48	62	8.8	10.2	13.9	16.9	16.2	24.7	30	39	50	
Will work free over		.393	.385	.375	.367	.359	.351	.345	.325	.313	.297	.281	.505	.492	.484	.476	.475	.450	.443	.422	.411	
Pitch		.240	.224	.173	.182	.182	.162	.151	.146	.141	.130	.141	.259	.238	.263	.226	.214	.179	.188	.182	.177	

HARDWARE PRODUCTS COMPANY, LP

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STOCK COMPRESSION SPRINGS

	Will go in Wire Diam	3/4						7/8						1									
		.062	.072	.078	.085	.094	.125	.062	.072	.078	.085	.094	.125	.078	.085	.094	.105	.112	.125	.135	.148	.162	.187
3/4	Catlog No.	12001	12002	12003	12004	12005	12006																
	Price Code	CP	CQ	CQ	CR	CS	CU																
	lbs./in.	32	59	78	108	170	650																
	Max. Defl.	.42	.35	.32	.30	.25	.14																
7/8	Catlog No.	12007	12008	12009	12010	12011	12012	13001	13002	13003	13004	13005	13006										
	Price Code	CP	CQ	CR	CS	CS	CU	CP	CQ	CR	CS	CT	CU										
	lbs./in.	27.0	49	65	88	140	520	21.0	41	49	72	100	350										
	Max. Defl.	.50	.42	.39	.37	.30	.18	.56	.43	.45	.39	.37	.23										
1	Catlog No.	12013	12014	12015	12016	12017	12018	13007	13008	13009	13010	13011	13012	14001	14002	14003	14051	14052	14004	14053	14054	14055	14005
	Price Code	CP	CQ	CR	CS	CT	CV	CP	CR	CR	CS	CT	CV	CS	CY	CT	CY	CY	CV	CY	CY	CY	CY
	lbs./in.	23.0	42	55	75	115	430	18.0	35	42	61	86	290	34	46	67	101	131	210	289	440	673	1500
	Max. Defl.	.59	.49	.46	.44	.37	.21	.66	.51	.53	.46	.43	.28	.57	0.589	.49	0.462	0.419	.34	0.354	0.294	0.233	.13
1-1/4	Catlog No.	12019	12020	12021	12022	12023	12024	13013	13014	13015	13016	13017	13018	14006	14007	14008	14056	14057	14009	14058	14059	14060	14010
	Price Code	CQ	CR	CS	CT	CU	CV	CQ	CR	CS	CT	CU	CV	CS	CY	CU	CY	CY	CW	CY	CY	CY	CZ
	lbs./in.	18.0	32	42	58	89	320	14.0	27.0	32	47	66	220	26.0	35	52	77	99	160	215	325	491	1100
	Max. Defl.	.76	.65	.61	.56	.48	.29	.85	.66	.69	.60	.56	.37	.75	0.78	.63	0.624	0.571	.45	0.474	0.399	0.319	.18
1-1/2	Catlog No.	12025	12026	12027	12028	12029	12030	13019	13020	13021	13022	13023	13024	14011	14012	14013	14061	14062	14014	14063	14064	14065	14015
	Price Code	CQ	CS	CT	CT	CU	CW	CR	CS	CT	CT	CU	CW	CT	CY	CU	CY	CY	CW	CY	CY	CY	CAB
	lbs./in.	15.0	26.5	34	47	72	260	12.0	22.0	26.0	38	53	175	21.0	28.5	42	62	80	130	169	257	388	870
	Max. Defl.	.91	.78	.75	.70	.59	.36	.99	.81	.85	.75	.69	.46	.93	0.97	.78	0.787	0.724	.56	0.589	0.5	0.407	.23
1-3/4	Catlog No.	12031	12032	12033	12034	12035	12036	13025	13026	13027	13028	13029	13030	14016	14017	14018	14066	14067	14019	14068	14069	14070	14020
	Price Code	CR	CS	CT	CU	CU	CW	CR	CS	CT	CU	CU	CW	CT	CY	CV	CY	CY	CX	CY	CY	CAB	CAB
	lbs./in.	12.0	22.4	29.0	39	61	216	9.9	18.6	22.0	32	45	147	18.0	24	35	52	66	108	146	212	320	712
	Max. Defl.	1.1	.92	.88	.84	.70	.43	1.2	.96	1.0	.89	.82	.55	1.0	1.203	.94	0.95	0.933	.67	0.738	0.603	0.495	.29
2	Catlog No.	12037	12038	12039	12040	12041	12042	13031	13032	13033	13034	13035	13036	14021	14022	14023	14071	14072	14024	14073	14074	14075	14025
	Price Code	CR	CT	CT	CU	CV	CX	CR	CS	CT	CU	CV	CX	CT	CY	CV	CAB	CAB	CX	CAB	CAB	CAC	CAB
	lbs./in.	11.0	19.4	25.0	34	52	185	8.6	16.1	19.0	27.6	38	125	16.0	20.7	30	45	57	93	124	181	273	600
	Max. Defl.	1.2	1.0	1.0	.97	.82	.50	1.3	1.1	1.1	1.0	.97	.65	1.2	1.351	1.1	1.112	1.03	.78	0.853	0.705	0.583	.34
3	Catlog No.	12043	12044	12045	12046	12047	12048	13037	13038	13039	13040	13041	13042	14026	14027	14028	14076	14077	14029	14078	14079	14080	14030
	Price Code	CT	CU	CV	CV	CW	CZ	CS	CU	CV	CV	CW	CZ	CU	CAD	CW	CAD	CAD	CZ	CAE	CAE	CAE	CAC
	lbs./in.	7.0	12.6	16.0	22.0	34	115	5.6	10.5	12.0	17.9	25	80	10.0	13.4	19.0	29	37	59	77	116	171	370
	Max. Defl.	1.9	1.6	1.6	1.5	1.2	.81	2.1	1.7	1.8	1.5	1.4	1.0	1.9	2.112	1.7	1.763	1.642	1.2	1.313	1.15	0.935	.56
4	Catlog No.	12049	12050	12051	12052	12053	12054	13043	13044	13045	13046	13047	13048	14031	14032	14033	14081	14082	14034	14083	14084	14085	14035
	Price Code	CU	CV	CV	CW	CX	CAB	CT	CU	CV	CW	CX	CAB	CV	CAD	CX	CAE	CAE	CAB	CAF	CAF	CAF	CAD
	lbs./in.	5.2	9.3	12.0	16.0	25.0	86	4.2	7.7	9.2	13.2	18.0	59	7.4	9.9	14.0	21.1	26.8	43	56	84	125	270
	Max. Defl.	2.6	2.2	2.1	2.0	1.7	1.0	2.8	2.3	2.4	2.1	2.0	1.3	2.6	2.92	2.3	2.414	2.308	1.6	1.806	1.558	1.287	.77
6	Catlog No.	12055	12056	12057	12058	12059	12060	13049	13050	13051	13052	13053	13054	14036	14037	14038	14086	14087	14039	14088	14089	14090	14040
	Price Code	CV	CW	CX	CY	CZ	CAC	CV	CW	CX	CY	CZ	CAC	CX	CAE	CZ	CAF	CAG	CAC	CAG	CAG	CAG	CAD
	lbs./in.	3.4	6.1	7.9	11.0	16.0	56	2.7	5.1	6.0	8.7	12.0	38	4.9	6.5	9.4	13.8	17.6	28.0	37	54	80	175
	Max. Defl.	4.0	3.4	3.2	3.0	2.6	1.6	4.4	3.5	3.7	3.2	3.0	2.1	4.0	4.438	3.5	3.77	3.53	2.6	2.778	2.38	1.953	1.1
8	Catlog No.	12061	12062	12063	12064	12065	12066	13055	13056	13057	13058	13059	13060	14041	14042	14043	14091	14092	14044	14093	14094	14095	14045
	Price Code	CW	CX	CY	CAB	CAB	CAD	CW	CX	CY	CZ	CAB	CAD	CY	CAE	CAB	CAG	CAG	CAD	CAH	CAH	CAH	CAE
	lbs./in.	2.6	4.6	6.0	8.0	11.0	40	2.0	3.8	4.5	6.5	8.9	28.0	3.6	4.8	7.0	10.3	13	21.0	27.3	40	59	125
	Max. Defl.	5.2	4.5	4.2	4.1	3.9	2.3	5.9	4.7	4.9	4.3	4.1	2.9	5.4	5.961	4.7	5.073	4.752	3.4	3.747	3.215	2.642	1.6
12	Catlog No.													14046	14047	14048	14096	14097	14049	14098	14099	14100	14050
	Price Code													CAG	CAH	CAH	CAG	CAH	CAH	CAI	CAI	CAI	CAI
	lbs./in.													2.4	3.2	4.6	6.8	8.6	14.0	18	26.5	39	84
	Max. Defl.													8.1	9.005	7.1	7.677	7.196	5.2	5.686	4.884	4.018	2.4
Maximum Load	13.7	20.8	25.7	33	43	94	11.9	18.0	22.3	28.5	37	82	19.6	27	33	48	56	73	102	131	158	208	
Will work free over	.585	.556	.554	.538	.522	.460	.700	.682	.670	.654	.638	.576	.784	.768	.752	.718	.718	.690	.656	.625	.593	.565	
Pitch	.284	.253	.306	.228	.217	.204	.371	.357	.306	.296	.268	.239	.382	.356	.328	.301	.288	.279	.262	.254	.254	.268	

HARDWARE PRODUCTS COMPANY, LP

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

STOCK COMPRESSION SPRINGS

Will go in		1-1/8									1-1/4									
Wire Diam		.085	.094	.105	.112	.125	.135	.148	.162	.187	.094	.105	.112	.125	.135	.148	.162	.187	.225	.250
1-1/4	Catlog No.	15028	15001	15029	15030	15002	15031	15032	15033	15003	16001	16028	16029	16002	16030	16031	16032	16003	16033	16034
	Price Code	CY	CU	CV	CV	CAB	CAC	CAC	CAC	CAD	CU	CAB	CAB	CAC	CAE	CAE	CAE	CAE	CAI	CAI
	lbs./in.	29.5	44	63	80	122	168	237	358	741	35	53	67	101	136	199	284	531	1501	2690
	Max. Defl.	0.83	.66	0.689	0.64	0.551	0.553	0.455	0.383	0.293	.75	0.74	0.694	0.611	0.548	0.469	0.456	0.323	0.248	0.187
1-1/2	Catlog No.	15034	15004	15035	15036	15005	15037	15038	15039	15006	16004	16035	16036	16005	16037	16038	16039	16006	16040	16041
	Price Code	CY	CU	CV	CV	CAB	CAE	CAC	CAC	CAD	CU	CAC	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAI
	lbs./in.	23.9	35	50	64	98	134	188	282	577	29.0	43	54	81	109	158	224	413	1144	2017
	Max. Defl.	1.033	.84	0.868	0.81	0.704	0.626	0.575	0.488	0.378	.91	0.931	0.877	0.779	0.605	0.612	0.579	0.415	0.325	0.249
1-3/4	Catlog No.	15040	15007	15041	15042	15008	15043	15044	15045	15009	16007	16042	16043	16008	16044	16045	16046	16009	16047	16048
	Price Code	CY	CU	CV	CY	CAB	CAE	CAC	CAC	CAD	CV	CAC	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAI
	lbs./in.	20.2	29.8	42	54	81	111	156	232	472	24.0	36	45	67	90	131	184	338	924	1614
	Max. Defl.	1.278	.98	1.099	0.979	0.857	0.836	0.694	0.589	0.46	1.1	1.174	1.116	0.947	0.93	0.828	0.702	0.507	0.403	0.312
2	Catlog No.	15046	15010	15047	15048	15011	15049	15050	15051	15012	16010	16049	16050	16011	16051	16052	16053	16012	16054	16055
	Price Code	CY	CV	CAB	CAB	CAC	CAE	CAC	CAD	CAD	CV	CAC	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAI
	lbs./in.	17.4	25.7	36	46	70	95	128	200	402	21.0	31	39	58	77	111	157	286	775	1346
	Max. Defl.	1.437	1.1	1.224	1.149	1.011	0.908	0.779	0.704	0.551	1.2	1.312	1.243	1.115	1.018	0.896	0.825	0.598	0.481	0.375
3	Catlog No.	15052	15013	15053	15054	15014	15055	15056	15057	15015	16013	16056	16057	16014	16058	16059	16060	16015	16061	16062
	Price Code	CAD	CW	CAE	CAE	CAE	CAE	CAE	CAE	CAE	CW	CAE	CAE	CAE	CAE	CAE	CAE	CAE	CAI	CAJ
	lbs./in.	11.2	16.6	23.3	29.4	45	60	82	126	250	13.0	19.7	24.6	37	49	70	97	180	468	808
	Max. Defl.	2.245	1.7	1.938	1.827	1.624	1.472	1.261	1.137	0.896	2.0	2.074	1.974	1.788	1.646	1.466	1.299	0.99	0.778	0.625
4	Catlog No.	15058	15016	15059	15060	15017	15061	15062	15063	15018	16016	16063	16064	16017	16065	16066	16067	16018	16068	16069
	Price Code	CAE	CX	CAE	CAF	CAE	CAG	CAG	CAG	CAG	CX	CAE	CAF	CAF	CAG	CAG	CAG	CAG	CAJ	CAJ
	lbs./in.	8.3	12.2	17.2	22	33	44	60	92	181	9.9	14.5	18.1	26.9	34	51	72	128	335	577
	Max. Defl.	3.053	2.4	2.706	2.506	2.237	2.036	1.743	1.57	1.242	2.6	2.836	2.706	2.461	2.277	2.035	1.813	1.335	1.075	0.875
6	Catlog No.	15064	15019	15065	15066	15020	15067	15068	15069	15021	16019	16070	16071	16020	16072	16073	16074	16021	16075	16076
	Price Code	CAE	CZ	CAE	CAE	CAE	CAH	CAH	CAH	CAH	CZ	CAE	CAG	CAG	CAH	CAH	CAH	CAH	CAJ	CAJ
	lbs./in.	5.5	8.0	11.2	14.1	21.3	28.7	40	58	115	6.5	9.5	11.8	17.5	23.4	33	46	83	218	367
	Max. Defl.	4.714	3.6	4.134	3.917	3.525	3.235	2.721	2.344	1.882	4.0	4.415	4.225	3.869	3.6	3.25	2.794	2.073	1.725	1.375
8	Catlog No.	15070	15022	15071	15072	15023	15073	15074	15075	15024	16022	16077	16078	16023	16079	16080	16081	16024	16082	16083
	Price Code	CAF	CAB	CAG	CAG	CAG	CAI	CAI	CAI	CAI	CAB	CAF	CAG	CAH	CAI	CAI	CAI	CAI	CAJ	CAK
	lbs./in.	4.1	6.0	8.4	10.5	15.8	21.3	29.4	43	85	4.8	7.1	8.8	13	17.3	24.7	34	61	159	269
	Max. Defl.	6.331	4.9	5.561	5.273	4.751	4.364	3.675	3.171	2.551	5.5	5.939	5.688	5.214	4.855	4.39	3.778	2.808	2.339	1.869
12	Catlog No.	15076	15025	15077	15078	15026	15079	15080	15081	15027	16025	16084	16085	16026	16086	16087	16088	16027	16089	16090
	Price Code	CAH	CAH	CAH	CAH	CAH	CAJ	CAJ	CAJ	CAJ	CAH	CAH	CAI	CAI	CAJ	CAJ	CAJ	CAJ	CAK	CAK
	lbs./in.	2.7	3.9	5.5	6.9	10.4	14	19.3	28.4	56	3.2	4.1	5.8	8.6	11.4	16.2	22.5	40	104	175
	Max. Defl.	9.565	7.5	8.417	7.986	7.203	6.622	5.583	4.823	3.889	8.2	8.989	8.613	7.905	7.368	6.669	5.747	4.281	3.578	2.866
Maximum Load	25	29.4	43	51	68	86	104	143	222	26.5	39	47	62	75	93	130	175	369	505	
Will work free over	.875	.875	.843	.843	.813	.812	.750	.718	.689	1.0	1.0	.968	.940	.906	.906	.843	.815	.750	.687	
Pitch	.444	.416	.367	.348	.323	.310	.283	.276	.281	.481	.442	.417	.382	.363	.344	.319	.296	.326	.333	

HARDWARE PRODUCTS COMPANY, LP

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STOCK COMPRESSION SPRINGS

Will go in		1-3/8							1-1/2							1-5/8							
Wire Diam		.112	.125	.135	.148	.162	.187	.218	.112	.125	.135	.148	.162	.187	.218	.250	.281	.135	.148	.162	.187	.218	.250
1-1/2	Catlog No.	23001	23002	23003	23004	23005	23006	23007	17028	17001	17029	17030	17031	17002	17032	17003	17033						
	Price Code	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAI	CAJ						
	lbs./in.	45	71	94	135	200	349	704	41	61	80	114	162	310	584	1188	2233						
1-3/4	Max. Defl.	0.9636	0.907	0.841	0.76	0.69	0.516	0.358	0.969	0.884	0.818	0.732	0.643	0.612	0.432	0.333	0.25						
	Catlog No.	23008	23009	23010	23011	23012	23013	23014	17034	17004	17035	17036	17037	17005	17038	17006	17039	24001	24002	24003	24004	24005	24006
	Price Code	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAI	CAJ	CAE	CAE	CAE	CAE	CAE	CAI
2	lbs./in.	38	59	78	112	165	286	570	35	51	67	94	134	254	473	951	1763	55	82	117	212	329	725
	Max. Defl.	1.152	1.087	1.012	0.918	0.8365	0.631	0.442	1.227	1.135	1.065	0.974	0.879	0.748	0.534	0.417	0.316	1.089	1.028	0.9435	0.8024	0.5816	0.427
	Catlog No.	23015	23016	23017	23018	23019	23020	23021	17040	17007	17041	17042	17043	17008	17044	17009	17045	24007	24008	24009	24010	24011	24012
3	Price Code	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAC	CAD	CAE	CAE	CAE	CAE	CAI	CAJ	CAJ	CAE	CAE	CAE	CAE	CAI	CAI
	lbs./in.	33	52	67	95	141	242	479	29.6	43	57	80	114	230	398	792	1458	47	70	99	179	321	604
	Max. Defl.	1.341	1.282	1.183	1.075	0.988	0.745	0.526	1.371	1.262	1.177	1.067	0.951	0.843	0.638	0.5	0.384	1.272	1.205	1.109	0.948	0.692	0.512
4	Catlog No.	23022	23023	23024	23025	23026	23027	23028	17046	17010	17047	17048	17049	17011	17050	17012	17051	24013	24014	24015	24016	24017	24018
	Price Code	CAE	CAE	CAE	CAE	CAE	CAE	CAI	CAE	CAE	CAE	CAE	CAE	CAE	CAI	CAJ	CAJ	CAE	CAE	CAE	CAE	CAI	CAJ
	lbs./in.	20.9	32	42	60	89	150	292	19	28	36	51	71	138	242	478	858	29.6	44	60	113	196	363
6	Max. Defl.	2.097	1.2	1.866	1.705	1.583	1.204	0.861	2.175	2.019	1.897	1.737	1.567	1.454	1.138	0.844	0.647	2.008	1.909	1.75	1.551	1.138	0.855
	Catlog No.	23029	23030	23031	23032	23033	23034	23035	17052	17013	17053	17054	17055	17014	17056	17015	17057	24019	24020	24021	24022	24023	24024
	Price Code	CAF	CAF	CAG	CAG	CAG	CAG	CAJ	CAF	CAF	CAG	CAG	CAG	CAG	CAJ	CAJ	CAK	CAG	CAG	CAG	CAG	CAJ	CAJ
8	lbs./in.	15.4	23.5	31	44	65	108	210	13.9	20.2	26.5	37	52	99	174	338	608	21.6	32	45	81	141	259
	Max. Defl.	6.76	2.719	2.55	2.335	2.178	1.662	1.199	2.978	2.776	2.407	2.407	2.183	1.992	1.439	1.156	0.909	2.743	2.613	2.421	2.13	1.578	1.197
	Catlog No.	23036	23037	23038	23039	23040	23041	23042	17058	17016	17059	17060	17061	17017	17062	17018	17063	24025	24026	24027	24028	24029	24030
12	Price Code	CAG	CAG	CAH	CAH	CAH	CAH	CAJ	CAG	CAI	CAH	CAH	CAH	CAH	CAJ	CAK	CAK	CAG	CAH	CAH	CAH	CAJ	CAK
	lbs./in.	10.3	15.3	20.2	28.4	42	70	135	9.1	13.2	17.2	24	34	62	113	217	387	14.1	20.6	29.3	52	90	165
	Max. Defl.	4.362	4.168	3.918	3.6	3.329	2.58	1.871	4.643	4.352	4.122	3.82	3.497	3.06	2.294	1.844	1.469	4.214	4.018	3.758	3.294	2.464	1.882
16	Catlog No.	23043	23044	23045	23046	23047	23048	23049	17064	17019	17065	17066	17067	17020	17068	17021	17069	24031	24032	24033	24034	24035	24036
	Price Code	CAH	CAH	CAI	CAI	CAI	CAI	CAK	CAH	CAI	CAI	CAI	CAI	CAI	CAJ	CAJ	CAK	CAH	CAI	CAI	CAI	CAI	CAK
	lbs./in.	7.5	11.4	14.9	21.1	31	51	99	6.8	9.8	12.8	17.8	24.9	46	82	159	282	10.5	15.4	21.7	38	66	121
16	Max. Defl.	5.872	5.618	5.286	4.863	4.503	3.497	2.543	6.251	5.865	5.561	5.16	4.729	4.148	3.071	2.5	1.981	5.686	5.45	5.08	4.447	3.348	2.562
	Catlog No.	23050	23051	23052	23053	23054	23055	23056	17070	17022	17071	17072	17073	17023	17074	17024	17075	24037	24038	24039	24040	24041	24042
	Price Code	CAI	CAI	CAJ	CAJ	CAJ	CAJ	CAK	CAI	CAJ	CAJ	CAJ	CAJ	CAJ	CAK	CAK	CAL	CAI	CAJ	CAJ	CAJ	CAK	CAK
16	lbs./in.	4.9	7.5	9.9	13.9	20.2	33.8	64.8	4.5	6.5	8.4	11.7	16.4	30	54	103	183	6.9	10.1	14.3	25.1	44	79
	Max. Defl.	8.89	8.517	8.021	7.387	6.849	5.332	3.89	9.466	8.893	8.438	7.838	7.194	6.323	4.695	3.833	3.046	8.628	8.274	7.726	6.78	5.118	3.93
	Catlog No.								17076	17025	17077	17078	17079	17026	17080	17027	17081	24043	24044	24045	24046	24047	24048
16	Price Code								CAJ	CAJ	CAJ	CAJ	CAJ	CAJ	CAK	CAK	CAL	CAJ	CAK	CAK	CAK	CAM	CAM
	lbs./in.								3.3	4.8	6.3	8.7	12.2	22.4	40	77	136	5.1	7.6	10.6	18.7	32	59
	Max. Defl.								12.682	11.92	11.315	10.516	9.658	8.499	6.319	5.167	4.111	11.57	11.101	10.372	9.112	6.889	5.295
Maximum Load	36	63	79	102	140	180	251	41	55	65	86	109	195	253	394	565	59	84	109	172	223	310	
Will work free over	1.031	1.0	1.0	.968	.968	.906	.828	1.187	1.19	1.125	1.125	1.062	1.06	1.0	.940	.812	1.25	1.25	1.218	1.093	1.062	1.0	
Pitch	.478	.454	.427	.401	.392	.345	.328	.571	.514	.481	.448	.422	.410	.367	.375	.383	.511	.505	.479	.449	.391	.380	

HARDWARE PRODUCTS COMPANY, LP

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STOCK COMPRESSION SPRINGS

Will go in		1-3/4							2									
Wire Diam		.135	.148	.162	.192	.218	.250	.281	.312	.148	.162	.187	.218	.250	.281	.312	.343	.375
1-3/4	Catlog No.	25001	25002	25003	25004	25005	25006	25007	25008									
	Price Code	CAE	CAE	CAE	CAE	CAI	CAI	CAJ	CAJ									
	lbs./in.	54	74	104	202	353	630	1175	2057									
	Max. Defl.	1.158	1.077	0.99	0.81	0.682	0.499	0.4174	0.3314									
2	Catlog No.	25009	25010	25011	25012	25013	25014	25015	25016	18025	18026	18001	18027	18002	18028	18029	18030	18003
	Price Code	CAE	CAE	CAE	CAG	CAI	CAI	CAJ	CAJ	CAE	CAE	CAC	CAJ	CAK	CAM	CAK	CAL	CAL
	lbs./in.	46	63	88	171	297	525	971	1684	52	71	115	221	390	670	1154	1871	3159
	Max. Defl.	1.286	1.188	1.082	0.863	0.811	0.599	0.505	0.4049	0.712	1.19	.96	0.9321	0.75	0.61	0.5174	0.413	0.3646
3	Catlog No.	25017	25018	25019	25020	25021	25022	25023	25024	18031	18032	18004	18033	18005	18034	18035	18036	18006
	Price Code	CAE	CAE	CAE	CAG	CAI	CAJ	CAJ	CAK	CAE	CAF	CAD	CAJ	CAK	CAK	CAK	CAL	CAL
	lbs./in.	29	40	55	106	181	315	573	975	33	44	73	135	234	395	668	1062	1755
	Max. Defl.	2.068	1.929	1.777	1.457	1.332	1	0.857	0.699	0.919	1.948	1.5	1.528	1.25	1.033	0.894	0.728	0.657
4	Catlog No.	25025	25026	25027	25028	25029	25030	25031	25032	18037	18038	18007	18039	18008	18040	18041	18042	18009
	Price Code	CAG	CAG	CAG	CAH	CAJ	CAJ	CAK	CAK	CAG	CAG	CAD	CAJ	CAK	CAK	CAL	CAL	CAL
	lbs./in.	21.2	29.1	40	76	130	229	403	687	23.7	32	53	103	173	282	470	742	1217
	Max. Defl.	2.85	2.669	2.471	2.05	1.848	1.438	1.19	1	1.122	2.707	2.0	2.202	1.813	1.471	1.27	1.042	0.953
6	Catlog No.	25033	25034	25035	25036	25037	25038	25039	25040	18043	18044	18010	18045	18011	18046	18047	18048	18012
	Price Code	CAH	CAH	CAH	CAI	CAJ	CAK	CAK	CAL	CAH	CAH	CAD	CAK	CAK	CAK	CAL	CAL	CAM
	lbs./in.	13.8	18.9	26	49	83	146	258	432	15.4	209	34	69	117	175	295	462	755
	Max. Defl.	4.482	4.226	3.941	3.332	2.886	2.25	1.926	1.593	4.548	4.304	3.2	3.547	3	2.277	2.022	1.67	1.547
8	Catlog No.	25041	25042	25043	25044	25045	25046	25047	25048	18049	18050	18013	18051	18014	18052	18053	18054	18015
	Price Code	CAI	CAI	CAI	CAJ	CAJ	CAK	CAL	CAM	CAI	CAI	CAE	CAK	CAM	CAL	CAM	CAM	CAM
	lbs./in.	10.2	14	19.3	36	61	105	188	314	11.4	15.5	25.0	46	78	129	215	336	547
	Max. Defl.	6.047	5.707	5.33	4.518	3.924	2.993	2.6133	2.171	6.142	5.82	4.4	4.508	3.715	3.153	2.774	2.298	2.141
12	Catlog No.	25049	25050	25051	25052	25053	25054	25055	25056	18055	18056	18016	18057	18017	18058	18059	18060	18018
	Price Code	CAJ	CAJ	CAJ	CAJ	CAK	CAK	CAL	CAM	CAJ	CAJ	CAF	CAL	CAM	CAN	CAN	CAN	CAN
	lbs./in.	6.8	9.2	12.7	24	40	69	122	204	7.5	10.2	16.0	29.8	51	84	140	217	351
	Max. Defl.	9.176	8.67	8.107	6.891	5.999	4.589	4.0186	3.348	9.331	8.854	6.9	6.892	5.752	4.851	4.277	3.556	3.281
16	Catlog No.	25057	25058	25059	25060	25061	25062	25063	25064	18061	18062	18019	18063	18020	18064	18065	18066	18021
	Price Code	CAJ	CAJ	CAJ	CAJ	CAK	CAK	CAM	CAN	CAK	CAK	CAF	18063	CAM	CAN	CAO	CAO	CAO
	lbs./in.	5	6.9	9.4	17.7	29.8	51	91	151	5.6	7	12.0	22.1	38	62	103	161	259
	Max. Defl.	12.305	11.634	10.885	9.264	8.074	6.185	5.424	4.53	12.52	11.887	10.7	9.276	7.753	6.549	5.781	4.813	4.448
Maximum Load	60	75	96	149	245	321	489	684	67	86	111	228	304	407	597	772	1162	
Will work free over	1.375	1.375	1.312	1.281	1.218	1.125	1.063	1.0	1.593	1.562	1.52	1.437	1.39	1.312	1.250	1.187	1.14	
Pitch	.620	.571	.530	.472	.453	.416	.433	.442	.730	.670	.596	.540	.500	.488	.500	.500	.529	

Will go in		2-1/2							3										
Wire Diam		.281	.312	.343	.362	.375	.406	.437	.250	.281	.312	.343	.362	.375	.393	.406	.437	.468	.500
3	Catlog No.	26001	26002	26003	26004	26005	26006	26007	19001	19022	19023	19024	19025	19002	19026	19027	19028	19029	19003
	Price Code	CAM	CAN	CAN	CAL	CAM	CAM	CAM	CAF	CAL	CAL	CAM	CAM	CAM	CAO	CAN	CAN	CAO	CAP
	lbs./in.	239.7	383.6	1039.1	757.2	891.2	1357.9	1926.2	105	163.6	261.4	398.2	506.6	595.1	737.4	832.3	1222.4	1697.8	2442.5
	Max. Defl.	1.389	1.222	0.599	0.955	0.886	0.794	0.6393	1.6	1.587	1.445	1.296	1.204	1.145	1.063	0.9686	0.881	0.752	0.679
4	Catlog No.	26008	26009	26010	26011	26012	26013	26014	19004	19031	19032	19033	19034	19005	19035	19036	19037	19038	19006
	Price Code	CAL	CAL	CAL	CAL	CAM	CAM	CAM	CAF	CAL	CAL	CAM	CAM	CAM	CAM	CAR	CAR	CAV	CAP
	lbs./in.	170	270	412	526	617	932	1310	76.0	116	184	278	352	412	508	571.2	831.4	1143.7	1628.3
	Max. Defl.	1.963	1.738	1.513	1.375	1.281	1.158	0.941	2.2	2.244	2.05	1.856	1.738	1.657	1.544	1.411	1.295	1.117	1.019
6	Catlog No.	26015	26016	26017	26018	26019	26020	26021	19007	19040	19041	19042	19043	19008	19044	19045	19046	19047	19009
	Price Code	CAL	CAL	CAM	CAM	CAM	CAN	CAN	CAH	CAL	CAM	CAM	CAN	CAN	CAN	CAN	CAN	CAP	CAQ
	lbs./in.	108	169	255	325	381	574	794	49.0	73	116	172	218	255	313	351	507	692	977
	Max. Defl.	3.12	2.763	2.399	2.199	2.063	1.889	1.521	3.4	3.541	3.27	2.96	2.788	2.679	2.502	2.295	2.122	1.847	1.7
8	Catlog No.	26022	26023	26024	26025	26026	26027	26028	19010	19049	19050	19051	19052	19011	19053	19054	19055	19056	19012
	Price Code	CAL	CAM	CAN	CAN	CAN	CAN	CAO	CAH	CAM	CAM	CAN	CAN	CAN	CAN	CAO	CAO	CAQ	CAR
	lbs./in.	79	123	186	235	276	414	575	36.0	53	84	126	158	185	227	253	367	494	697
	Max. Defl.	4.277	3.788	3.327	3.022	2.844	2.62	2.144	4.6	4.839	4.49	4.198	3.837	3.688	3.48	3.179	2.975	2.56	2.375
12	Catlog No.	26029	26030	26031	26032	26033	26034	26035	19013	19058	19059	19060	19061	19014	19062	19063	19064	19065	19015
	Price Code	CAN	CAN	CAN	CAN	CAO	CAO	CAO	CAH	CAN	CAN	CAN	CAO	CAO	CAP	CAP	CAP	CAT	CAT
	lbs./in.	51.1	80.1	120.7	152.8	178.2	265.6	368.1	23.0	39.9	54.6	81.4	102.3	119	145.6	163	232	317	445
	Max. Defl.	6.52	5.848	5.155	4.731	4.428	4.061	3.346	7.3	7.445	6.917	6.336	5.969	5.726	5.381	4.946	4.571	4.044	3.75
16	Catlog No.	26036	26037	26038	26039	26040	26041	26042	19016	19067	19068	19069	19070	19017	19071	19072	19073	19074	19018
	Price Code	CAL	CAL	CAO	CAO	CAO	CAO	CAP	CAH	CAO	CAO	CAP	CAP	CAP	CAN	CAN	CAO	CAP	CAV
	lbs./in.	37.8	59.3	89.2	112.8	131.5	195.6	270.7	17.0	25.8	40.4	60.2	75.5	87.8	107.3	119.9	171.8	232.6	325.7
	Max. Defl.	8.8	7.905	6.978	6.41	6.002	5.512	4.548	11.3	10.048	9.349	8.576	8.086	7.761	7.301	6.724	6.267	5.491	5.096
Maximum Load	338	470	620	717	786	1071	1232	169	260	378	512	613	675	780	806	1075	1280	1671	
Will work free over	1.75	1.687	1.625	1.593	1.563	1.50	1.437	2.33	2.218	2.156	2.093	2.062	2.08	2.0	2.0	1.875	1.875	1.83	
Pitch	.654	.642	.630	.624	.618	.637	.625	.917	.805	.796	.780	.769	.764	.756	.729	.746	.736	.757	

HARDWARE PRODUCTS COMPANY, LP

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

STOCK COMPRESSION SPRINGS

Will go in		3-1/2								4										
Wire Diam		.343	.362	.375	.393	.406	.437	.468	.500	.375	.393	.406	.437	.468	.500	.531	.562	.593	.625	.750
4	Catlog No.	27001	27002	27003	27004	27005	27006	27007	27008	20001	20018	20019	20020	20021	20002	20022	20023	20024	20025	20003
	Price Code	CAN	CAN	CAN	CAO	CAN	CAO	CAQ	CAQ	CAO	CAO	CAO	CAO	CAQ	CAR	CAT	CAU	CAV	CAW	CAX
	lbs./in.	194	244	286	339	392	559	782	1062	220	277	309	423	560	758	1000	1300	1673	2258	4600
	Max. Defl.	2.09	1.981	1.911	1.706	1.691	1.561	1.436	1.276	2.148	2.094	1.992	1.829	1.646	1.5	1.218	1.218	1.081	1.031	.8
6	Catlog No.	27009	27010	27011	27012	27013	27014	27015	27016	20004	20026	20027	20028	20029	20005	20030	20031	20032	20033	20006
	Price Code	CAN	CAN	CAN	CAO	CAN	CAO	CAQ	CAQ	CAO	CAO	CAO	CAO	CAQ	CAR	CAT	CAU	CAV	CAW	CAX
	lbs./in.	121	152	177	209	241	341	473	637	136	171	190	258	339	455	595	767	978	1307	2840
	Max. Defl.	3.428	3.195	3.094	2.856	2.752	2.559	2.373	2.125	3.469	3.396	3.26	2.916	2.724	2.5	2.066	2.066	1.849	1.782	1.3
8	Catlog No.	27017	27018	27019	27020	27021	27022	27023	27024	20007	20034	20035	20036	20037	20008	20038	20039	20040	20041	20009
	Price Code	CAN	CAN	CAN	CAO	CAO	CAO	CAQ	CAR	CAO	CAO	CAO	CAO	CAR	CAT	CAT	CAW	CAY	CAZ	CAX
	lbs./in.	89	109	127	152	175	243	340	457	99	122	136	186	242	325	425	548	699	920	2050
	Max. Defl.	4.656	4.38	4.25	3.972	3.839	3.221	3.32	3	4.813	4.66	4.498	4.176	3.788	3.5	2.942	2.942	2.663	2.532	1.8
12	Catlog No.	27025	27026	27027	27028	27029	27030	27031	27032	20010	20042	20043	20044	20045	20011	20046	20047	20048	20049	20012
	Price Code	CAO	CAO	CAO	CAP	CAP	CAQ	CAT	CAV	CAP	CAP	CAQ	CAQ	CAV	CAV	CAY	CAX	CAX	CAX	CAX
	lbs./in.	59	71	82	98	112	157	218	290	65	79	88	120	154	207	270	345	439	578	1325
	Max. Defl.	7.284	6.842	6.563	6.203	5.961	5.55	5.214	4.688	7.5	7.284	7.027	6.538	5.916	5.5	4.624	4.624	4.217	4.032	2.6
16	Catlog No.	27033	27034	27035	27036	27037	27038	27039	27040	20013	20050	20051	20052	20053	20014	20054	20055	20056	20057	20015
	Price Code	CAO	CAP	CAQ	CAQ	CAR	CAT	CAV	CAZ	CAR	CAR	CAT	CAT	CAY	CAZ	CAX	CAX	CAX	CAX	CAX
	lbs./in.	43	52	61	73	83	115	160	212	47	57	64	87	113	152	198	251	321	421	975
	Max. Defl.	9.826	9.213	8.969	8.435	8.083	7.533	7.108	6.375	10.094	9.81	9.503	8.79	8.044	7.5	6.305	6.305	5.771	5.532	3.8
Maximum Load	424	480	540	607	669	865	1131	1354	476	567	612	770	915	1137	1587	1587	1836	2328	3700	
Will work free over	2.593	2.562	2.531	2.50	2.468	2.406	2.375	2.312	3.08	3.0	2.968	2.906	2.844	2.83	2.718	2.656	2.594	2.531	2.25	
Pitch	.929	.916	.910	.869	.864	.873	.881	.870	1.106	1.127	1.082	1.053	1.012	1.000	.988	.975	.963	.999	1.0	

Will go in		4-1/2							5					6		
Wire Diam		.437	.468	.500	.531	.562	.593	.625	.468	.500	.531	.562	.593	.625	.750	1.00
6	Catlog No.	28001	28002	28003	28004	28005	28006	28007	29001	29002	29003	29004	29005	29006	21001	21002
	Price Code	CAO	CAR	CAS	CAU	CAV	CAW	CAX	CAR	CAS	CAU	CAW	CAW	CAX	CAX	CAX
	lbs./in.	197	266	355	462	594	754	955	210	280	364	466	591	746	850	3500
	Max. Defl.	3.269	3.075	2.875	2.681	2.488	2.294	2.094	3.309	3.125	2.95	2.768	2.59	2.406	1.9	1.4
8	Catlog No.	28008	28009	28010	28011	28012	28013	28014	29007	29008	29009	29010	29011	29012	21003	21004
	Price Code	CAP	CAS	CAU	CAW	CAY	CAY	CAX	CAS	CAU	CAW	CAZ	CAY	CAX	CAX	CAX
	lbs./in.	143	188	251	327	421	534	676	150	200	260	333	422	520	630	2500
	Max. Defl.	4.559	4.256	4	3.752	3.504	3.256	3	4.607	4.375	4.15	3.925	3.701	3.391	2.7	2.0
12	Catlog No.	28015	28016	28017	28018	28019	28020	28021	29013	29014	29015	29016	29017	29018	21005	21006
	Price Code	CAR	CAV	CAY	CAZ	CAX	CAX	CAX	CAW	CAY	CAZ	CAX	CAX	CAX	CAX	CAX
	lbs./in.	93	122	159	210	266	338	422	96	127	165	206	268	329	400	1580
	Max. Defl.	7.193	3.735	6.25	5.96	5.537	5.18	4.734	7.203	6.875	6.557	6.199	5.922	5.437	4.3	3.1
16	Catlog No.	28022	28023	28024	28025	28026	28027	28028	29019	29020	29021	29022	29023	29024	21007	21008
	Price Code	CAT	CAY	CAX	CAX	CAX	CAX	CAX	CAZ	CAX	CAX	CAX	CAX	CAX	CAX	CAX
	lbs./in.	67	89	118	151	194	246	306	70	93	121	152	193	238	300	1170
	Max. Defl.	9.664	9.097	8.625	8.035	7.57	7.105	6.469	9.799	9.375	8.964	8.413	7.994	7.406	6.1	4.3
Maximum Load	654	808	1007	1228	1472	1745	2000	690	875	1081	1273	1554	1764	2000	4800	
Will work free over	3.406	3.343	3.281	3.218	3.156	3.094	3.032	3.843	3.781	3.718	3.656	3.593	3.531	4.25	3.75	
Pitch	1.204	1.193	1.177	1.162	1.147	1.132	1.118	1.348	1.333	1.317	1.299	1.284	1.268	1.30	1.40	

HARDWARE PRODUCTS

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

STOCK EXTEN. SPRINGS

OUTSIDE DIAMETER (inches)	WIRE DIAMETER (inches)	MAX LOAD (pounds)	MAX EXTEN. (inches)	INITIAL TENSION	RATE	WEIGHT	CATALOG NUMBER	PRICE CODE
1/8	.012	.71	2.4	.07	.27	0.011	22001	EB
	.016	1.6	1.1	.20	1.2	0.015	22002	EB
	.020	2.9	.60	.50	4.0	0.018	22003	EB
	.023	4.3	.38	.90	9.0	0.020	22004	EB
5/32	.012	.57	4.7	.01	.12	0.015	22005	EB
	.016	1.3	2.1	.15	.55	0.019	22006	EB
	.020	2.4	1.2	.30	1.8	0.023	22007	EB
	.023	3.5	.78	.50	3.9	0.026	22008	EB
3/16	.016	1.1	3.1	.15	.3	0.023	22009	EB
	.020	2.0	1.8	.26	.99	0.028	22010	EC
	.023	3.0	1.2	.40	2.2	0.032	22011	EC
	.026	4.2	.85	.70	4.1	0.035	22012	EC
	.029	5.7	.61	1.1	7.5	0.038	22013	EC
	.031	6.8	.50	1.5	10.7	0.041	22014	EC
7/32	.016	.93	5.1	.01	.18	0.027	22015	EB
	.020	1.7	2.7	.17	.58	0.033	22016	EC
	.023	2.6	1.9	.32	1.2	0.038	22017	EC
	.026	3.6	1.3	.54	2.4	0.042	22018	EC
	.029	4.9	.98	.70	4.3	0.046	22019	ED
	.031	5.9	.76	1.0	6.5	0.049	22020	ED
1/4	.020	1.5	3.7	.14	.38	0.039	22021	EC
	.023	2.3	2.5	.26	.8	0.044	22022	EC
	.026	3.2	1.9	.42	1.5	0.049	22023	ED
	.029	4.4	1.4	.58	2.7	0.054	22024	ED
	.031	5.2	1.2	.75	3.8	0.057	22025	ED
	.035	7.3	.78	1.4	7.6	0.063	22026	ED
	.038	9.1	.59	2.0	12.0	0.068	22027	ED
	.042	12.0	.44	2.8	20.9	0.073	22028	EE
	.047	16.3	.32	3.5	40.0	0.080	22029	EE
5/16	.023	1.8	4.4	.16	.38	0.056	22030	ED
	.026	2.6	3.2	.28	.73	0.062	22031	ED
	.029	3.5	2.4	.42	1.3	0.069	22032	ED
	.031	4.3	2.0	.55	1.9	0.073	22033	EE
	.035	6.0	1.4	.80	3.6	0.081	22034	EE
	.038	7.5	1.1	1.2	5.5	0.087	22035	EE
	.042	9.8	.87	1.6	9.5	0.095	22036	EE
	.047	13.5	.61	2.2	18.6	0.105	22037	EF
3/8	.026	2.2	5.0	.16	.40	0.076	22038	EE
	.029	3.0	3.8	.28	.71	0.084	22039	EE
	.031	3.6	3.2	.37	1.0	0.090	22040	EE
	.035	5.0	2.3	.70	1.9	0.100	22041	EE
	.038	6.3	1.8	1.0	3.0	0.108	22042	EF
	.042	8.3	1.4	1.3	5.1	0.117	22043	EF
	.047	11.4	1.0	1.7	9.5	0.129	22044	EF
	.051	14.2	.80	2.5	14.6	0.139	22045	EG
	.055	17.5	.63	3.5	22.1	0.148	22046	EG
	.059	21.1	.50	4.5	33.0	0.157	22047	EG
	.062	20.3	.33	5.3	45.0	0.163	22048	EG
7/16	.031	3.1	4.5	.26	.63	0.106	22049	EF
	.035	4.3	3.3	.40	1.2	0.118	22050	EF
	.038	5.4	2.7	.60	1.8	0.127	22051	EF
	.042	7.2	2.1	.90	3.0	0.139	22052	EG
	.047	9.9	1.5	1.4	5.7	0.154	22053	EG
	.051	12.3	1.2	2.0	8.6	0.165	22054	EG
	.055	15.2	.96	2.7	13.0	0.176	22055	EH
	.059	18.4	.79	3.5	19.0	0.187	22056	EH
	.062	17.8	.52	4.3	26.0	0.195	22057	EH

HARDWARE PRODUCTS

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

STOCK EXTEN. SPRINGS

OUTSIDE DIAMETER (inches)	WIRE DIAMETER (inches)	MAX LOAD (pounds)	MAX EXTEN. (inches)	INITIAL TENSION	RATE	WEIGHT	CATALOG NUMBER	PRICE CODE
15/32	.038	5.1	3.3	.50	1.4	0.137	22058	EF
	.047	9.3	1.8	1.4	4.4	0.166	22059	EH
	.062	16.7	.65	3.9	19.7	0.211	22060	EH
1/2	.038	4.8	3.6	.40	1.2	0.147	22061	EG
	.042	6.3	2.8	.70	2.0	0.162	22062	EG
	.047	8.7	2.1	1.1	3.7	0.179	22063	EH
	.051	10.9	1.7	1.6	5.5	0.192	22064	EH
	.055	13.4	1.4	2.1	8.2	0.205	22065	EH
	.059	16.3	1.1	2.9	12.0	0.218	22066	EI
	.062	15.7	.77	3.3	16.0	0.228	22067	EI
	.072	23.7	.49	6.5	35.0	0.259	22068	EI
	.078	29.1	.37	8.0	57.0	0.276	22069	EJ
	.085	37	.28	12.0	89.0	0.296	22070	EJ
	.094	48	.18	16	175	0.320	22071	EJ
5/8	.047	7.0	3.7	.70	1.7	0.228	22072	EI
	.051	8.8	3.0	1.0	2.6	0.245	22073	EI
	.055	10.9	2.5	1.3	3.9	0.263	22074	EI
	.059	13.2	2.0	1.8	5.7	0.280	22075	EJ
	.062	12.7	1.4	2.1	7.6	0.293	22076	EJ
	.072	19.3	.92	4.2	16.4	0.334	22077	EK
	.078	23.8	.81	5.2	23.0	0.358	22078	EK
	.085	30	.55	7.6	41.0	0.385	22079	EK
	.094	40	.39	11.0	73.0	0.419	22080	EL
	3/4	.062	10.7	2.2	1.5	4.1	0.358	22081
.072		16.3	1.5	2.8	8.9	0.410	22082	EK
.078		20.1	1.2	3.5	14.0	0.440	22083	EL
.085		25.6	.92	5.7	21.7	0.475	22084	EL
.094		33	.67	8.0	38.0	0.518	22085	EM
.125		73	.28	22	180	0.656	22086	EN
7/8	.062	9.2	3.4	1.1	2.4	0.423	22087	EL
	.072	14.0	2.3	1.8	5.4	0.485	22088	EL
	.078	17.3	1.7	2.6	8.7	0.522	22089	EM
	.085	22.1	1.4	4.0	12.9	0.564	22090	EM
	.094	29.0	.92	6.0	25.0	0.616	22091	EM
	.125	64	.44	17	107	0.787	22092	EN
1	.078	15.3	2.4	2.0	5.5	0.604	22093	EM
	.085	19.5	2.0	3.0	8.3	0.653	22094	EN
	.094	25.6	1.5	4.5	13.7	0.715	22095	EN
	.125	56	.62	14.0	68.0	0.918	22096	EO
	.187	162	.17	60	600	1.276	22097	EP
1-1/8	.094	22.9	2.0	3.5	9.6	0.814	22098	EN
	.125	51	.91	10.7	44.0	1.049	22099	EO
	.187	147	.24	52	398	1.473	22100	EQ
1-1/4	.094	20.7	2.6	2.8	6.8	0.912	22101	EO
	.125	46	1.2	9.0	31.0	1.181	22102	EP
	.187	134	3.2	40	336	1.669	22103	EQ
1-1/2	.125	39	1.9	6.0	17.0	1.443	22104	EP
	.187	113	.54	33	150	2.061	22105	EQ
	.250	250	.22	90	720	2.624	22106	ER
2	.187	87	1.2	20	54.0	2.846	22107	ER
	.250	193	.53	55	260	3.673	22108	ER

HARDWARE PRODUCTS

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

COMPRESSION SPRING PRICING 2011

PRICE CODE	1 PIECE UNIT PRICE	10 PIECE UNIT PRICE	25 PIECE UNIT PRICE	50 PIECE UNIT PRICE	100 PIECE UNIT PRICE
CB	33.12	3.45	1.61	0.96	0.62
CC	33.41	3.48	1.64	0.99	0.64
CD	33.70	3.51	1.67	1.01	0.66
CE	33.98	3.54	1.70	1.04	0.68
CF	34.27	3.57	1.73	1.06	0.70
CH	34.56	3.60	1.76	1.09	0.72
CI	34.85	3.63	1.79	1.11	0.74
CJ	35.14	3.66	1.82	1.14	0.76
CK	35.42	3.69	1.85	1.16	0.78
CL	35.71	3.72	1.88	1.19	0.80
CM	36.00	3.75	1.91	1.22	0.82
CN	36.29	3.78	1.94	1.25	0.84
CO	36.58	3.81	1.97	1.27	0.86
CP	36.86	3.84	2.00	1.30	0.88
CQ	37.15	3.87	2.03	1.32	0.90
CR	37.44	3.90	2.06	1.35	0.92
CS	37.73	3.93	2.09	1.37	0.94
CT	38.02	3.96	2.12	1.40	0.96
CU	38.30	3.99	2.15	1.42	0.98
CV	40.43	5.88	2.79	1.73	1.00
CW	42.56	6.83	2.95	1.79	1.02
CX	44.69	6.92	3.11	1.85	1.04
CY	46.82	7.01	3.27	1.91	1.19
CZ	48.95	7.10	3.43	1.96	1.34
CAB	51.08	7.18	3.49	2.00	1.48
CAC	53.21	7.26	3.55	2.03	1.52
CAD	55.34	7.34	3.61	2.07	1.56
CAE	57.47	7.42	3.66	2.10	1.73
CAF	59.60	7.56	3.80	2.19	1.76
CAG	61.73	7.70	3.94	2.28	1.90
CAH	63.86	7.82	4.03	2.44	1.97

PRICE CODE	1 PIECE UNIT PRICE	10 PIECE UNIT PRICE	16 PIECE UNIT PRICE	25 PIECE UNIT PRICE	50 PIECE UNIT PRICE	100 PIECE UNIT PRICE
CAI	66.05	9.07	6.05	4.24	3.50	2.46
CAJ	66.26	9.28	6.27	4.46	3.71	2.56
CAK	67.33	10.15	7.23	5.48	4.81	3.72
CAL	68.51	10.42	7.63	5.96	5.34	4.22
CAM	69.70	11.70	8.79	7.04	6.77	5.80
CAN	70.50	12.97	9.99	8.20	8.03	7.13
CAO	71.62	13.46	10.67	9.00	8.76	8.07
CAP	72.78	15.64	12.35	10.38	10.15	9.66
CAQ	73.76	16.80	13.34	11.27	11.03	10.53
CAR	74.95	17.89	14.33	12.19	12.03	11.04
CAS	78.65	19.17	15.95	12.84	12.60	11.46
CAT	79.78	20.09	16.35	13.67	13.50	12.28
CAU	80.60	20.86	16.96	14.16	13.66	12.83
CAV	79.43	21.12	15.17	14.87	14.69	14.49
CAW	82.99	22.22	18.44	15.61	15.22	14.36
CAY	83.85	22.98	19.74	16.83	16.20	15.57
CAZ	85.04	24.47	20.66	17.82	17.21	16.59

HARDWARE PRODUCTS

191 WILLIAMS STREET - CHELSEA MA 02150 - TEL 617-884-9410 - FAX 800-890-9410

EXTENSION SPRING PRICING 2011

PRICE CODE	1 PIECE BASE PRICE	10 PIECE BASE PRICE	25 PIECE BASE PRICE	50 PIECE BASE PRICE	100 PIECE BASE PRICE	ADD ON PER INCH
EB	36.81	4.29	2.13	1.27	0.90	0.03
EC	37.90	4.51	2.22	1.32	0.93	0.04
ED	38.99	4.73	2.31	1.37	0.96	0.05
EE	40.09	4.95	2.40	1.42	0.98	0.06
EF	41.18	5.17	2.50	1.47	1.00	0.07
EG	42.27	5.39	2.59	1.52	1.03	0.07
EH	43.36	5.61	2.68	1.57	1.06	0.07
EI	45.53	5.84	2.77	1.62	1.09	0.07
EJ	47.70	6.06	2.86	1.67	1.12	0.08
EK	49.87	6.28	2.96	1.72	1.32	0.08
EL	52.04	6.49	3.04	1.77	1.52	0.09
EM	65.00	7.55	3.66	2.17	1.91	0.10
EN	67.17	7.76	3.46	2.37	2.10	0.11
EO	69.41	8.05	4.15	2.64	2.37	0.14
EP	71.67	8.35	4.44	2.93	2.55	0.16
EQ	73.86	8.60	4.48	3.16	2.68	0.18
ER	76.06	8.84	4.92	3.39	2.81	0.24

CALCULATING ENGINEERING VALUES

The figures given for "Maximum Extension" and "lbs per inch" are for a spring 1" long. For other lengths multiply the "Maximum Extension" and divide the "lbs per inch" by the coil length in inches. The "Maximum Load" and the "Initial Tension" remain constant for any length.

EXAMPLE: A spring 1/2" outside diameter and .062" wire diameter and 4" long will have a safe maximum extension of 3.2" and it will require 4 lbs. to deflect one inch. The spring will hold approximately 3.3 lbs. before it starts to extend, and will hold a maximum of 16.1 lbs. without permanent stretch. If 8.5 lbs. is hung on the spring it will deflect 1.3". 8.5 lbs minus 3.3 lbs. divided by 4 lbs. per inch equals 1.3".

CALCULATING PRICES

The preceding prices consist of a base price and an add on value for each inch finished in grouped price categories. Any fraction over a whole inch will be considered at the next full inch price group. Length X "Add on" + Price Group Category = Price Each

EXAMPLE: An "EH" spring 4-1/2" long
4-1/2" long = 5" X .07 = 0.35
10 piece category 5.61
Total 5.96