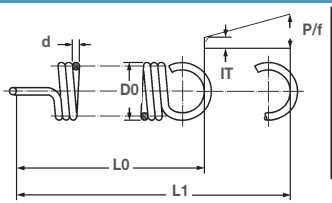


DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

Extension SPRINGS

Our extension springs have a wide application for experimental, development, prototype and maintenance work and have been specified and designed to high precision standards.

All our extension springs have uniform body diameter and are produced with full twist loops the same diameter as the body.

They are wound with initial tension, therefore some force is required before the coils are initially separated.

KEY TO MEASUREMENTS

D0 = Outside diameter mm.
d = Wire diameter mm
L0 = Free length (ref. use only) mm.
L1 = Maximum extended length mm.
IT = Initial tension load in Newtons.
P1 = Load at L1 Newtons.
P/f = Rate N/mm..

ADDITIONAL TECHNICAL DATA

Materials

STAINLESS STEEL wire to DIN 17224. No. 1,4310.-BS2056 EN58A.
Commercial 302 AMS 5688 spring temper.

Ends
German loops closed. End position will vary.

Loads
Load values shown are for music wire

tolerances
All dimensions and forces to DIN 2097 (Grade 2).

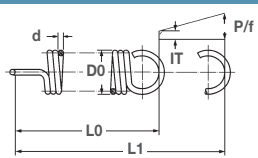
Surface finish
Normal wire oiled. Shot-peened and plated finishes supplied on request.

To determine the load at any working length (use rate x deflection) + initial tension.

1 lb = 4.448 Newtons
1 Newton = 0.225 lb
1 kg. = 9.80665 Newtons
1 Newton = 0.10197 kg

Mechanical
Extension Springs

Materials
Stainless Steel



DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

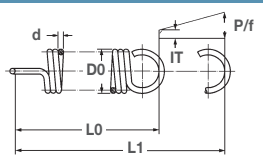
PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCET4080	2.50	0.50	7.90	9.61	2.05	13.42	6.65	£4.04
HPCET4081	2.50	0.50	10.90	13.64	2.05	13.42	4.15	£4.04
HPCET4082	2.50	0.50	15.40	19.68	2.05	13.42	2.66	£4.04
HPCET4083	3.50	0.50	9.50	13.82	1.47	10.00	1.96	£4.04
HPCET4084	3.50	0.50	12.50	19.41	1.47	10.00	1.22	£4.04
HPCET4085	3.50	0.50	17.00	27.80	1.47	10.00	0.78	£4.04
HPCET4086	3.50	0.50	24.50	41.80	1.47	10.00	0.49	£4.04
HPCET4087	3.50	0.50	290.00	500.00	1.47	10.00	0.04	£4.04
HPCET4088	5.50	0.50	12.70	25.80	2.09	7.63	0.42	£4.04
HPCET4089	5.50	0.50	15.70	36.60	2.09	7.63	0.26	£4.04
HPCET4090	5.50	0.50	20.20	52.90	2.09	7.63	0.17	£4.04
HPCET4091	5.50	0.50	27.70	80.00	2.09	7.63	0.11	£4.04
HPCET4092	5.50	0.50	37.70	116.10	2.09	7.63	0.07	£4.04
HPCET4093	2.80	0.55	8.80	10.78	2.33	15.83	6.82	£4.69
HPCET4094	2.80	0.55	12.10	15.27	2.33	15.83	4.26	£4.69
HPCET4095	2.80	0.55	17.00	21.96	2.33	15.83	2.72	£4.69
HPCET4096	3.50	0.55	9.90	13.58	1.98	13.08	3.02	£4.69
HPCET4097	3.50	0.55	13.20	19.09	1.98	13.08	1.89	£4.69
HPCET4098	3.50	0.55	18.10	27.30	1.98	13.08	1.21	£4.69
HPCET4099	3.50	0.55	26.40	41.10	1.98	13.08	0.75	£4.69
HPCET4100	6.00	0.55	13.90	28.00	0.91	7.92	0.48	£4.69
HPCET4101	6.00	0.55	17.20	39.70	0.91	7.92	0.30	£4.69
HPCET4102	6.00	0.55	22.10	57.20	0.91	7.92	0.19	£4.69
HPCET4103	6.00	0.55	30.40	86.60	0.91	7.92	0.12	£4.69
HPCET4104	6.00	0.55	41.40	125.70	0.91	7.92	0.09	£4.69
HPCET4105	3.00	0.63	9.70	11.55	3.49	21.83	10.08	£4.69

Mechanical Extension Springs

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCET4106	3.00	0.63	13.50	16.46	3.49	21.83	6.26	**£4.69**
HPCET4107	3.00	0.63	19.20	23.82	3.49	21.83	4.01	**£4.69**
HPCET4108	4.50	0.63	12.10	17.75	2.18	15.25	2.31	**£4.69**
HPCET4109	4.50	0.63	15.90	24.94	2.18	15.25	1.44	**£4.69**
HPCET4110	4.50	0.63	21.60	35.70	2.18	15.25	0.92	**£4.69**
HPCET4111	4.50	0.63	31.00	53.60	2.18	15.25	0.58	**£4.69**
HPCET4112	7.00	0.63	16.10	32.70	1.39	10.17	0.52	**£4.69**
HPCET4113	7.00	0.63	19.90	46.50	1.39	10.17	0.32	**£4.69**
HPCET4114	7.00	0.63	25.60	67.20	1.39	10.17	0.21	**£4.69**
HPCET4115	7.00	0.63	35.00	101.50	1.39	10.17	0.13	**£4.69**
HPCET4116	7.00	0.63	47.60	147.30	1.39	10.17	0.09	**£4.69**
HPCET4117	3.50	0.70	11.10	13.46	3.72	25.58	9.25	**£4.69**
HPCET4118	3.50	0.70	15.30	19.08	3.72	25.58	5.79	**£4.69**
HPCET4119	3.50	0.70	21.60	27.50	3.72	25.58	3.70	**£4.69**
HPCET4120	5.00	0.70	13.50	19.75	2.83	18.83	2.56	**£4.69**
HPCET4121	5.00	0.70	17.70	27.70	2.83	18.83	1.60	**£4.69**
HPCET4122	5.00	0.70	24.00	39.60	2.83	18.83	1.02	**£4.69**
HPCET4123	5.00	0.70	34.50	59.50	2.83	18.83	0.64	**£4.69**
HPCET4124	7.50	0.70	17.50	34.40	1.81	12.83	0.65	**£4.69**
HPCET4125	7.50	0.70	21.70	48.70	1.81	12.83	0.41	**£4.69**
HPCET4126	7.50	0.70	28.00	70.20	1.81	12.83	0.26	**£4.69**
HPCET4127	7.50	0.70	38.50	106.00	1.81	12.83	0.17	**£4.69**
HPCET4128	7.50	0.70	52.50	153.50	1.81	12.83	0.11	**£4.69**
HPCET4129	4.00	0.80	12.60	15.26	4.96	33.25	10.58	**£4.69**
HPCET4130	4.00	0.80	17.40	21.66	4.96	33.25	6.67	**£4.69**
HPCET4131	4.00	0.80	24.60	31.26	4.96	33.25	4.25	**£4.69**
HPCET4132	5.50	0.80	15.00	21.40	3.99	25.17	3.33	**£4.69**
HPCET4133	5.50	0.80	19.80	30.00	3.99	25.17	2.08	**£4.69**
HPCET4134	5.50	0.80	27.00	43.00	3.99	25.17	1.33	**£4.69**
HPCET4135	5.50	0.80	39.00	64.60	3.99	25.17	0.83	**£4.69**
HPCET4136	5.50	0.80	290.00	515.00	3.99	25.17	0.09	**£8.43**
HPCET4137	9.00	0.80	20.60	42.00	2.28	15.83	0.63	**£4.69**
HPCET4138	9.00	0.80	25.40	59.70	2.28	15.83	0.39	**£4.69**

Mechanical
Extension Springs

Materials
Stainless Steel



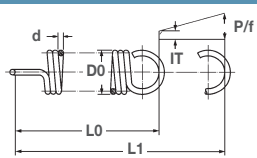
DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCET4139	9.00	0.80	32.60	86.10	2.28	15.83	0.25	£4.69
HPCET4140	9.00	0.80	44.60	130.20	2.28	15.83	0.16	£4.69
HPCET4141	9.00	0.80	60.60	188.60	2.28	15.83	0.11	£4.69
HPCET4142	4.50	0.90	14.20	17.15	6.20	41.42	11.92	£4.69
HPCET4143	4.50	0.90	19.60	24.32	6.20	41.42	7.47	£4.69
HPCET4144	4.50	0.90	27.70	35.08	6.20	41.42	4.77	£4.69
HPCET4145	6.30	0.90	17.10	24.53	4.66	30.92	3.52	£4.69
HPCET4146	6.30	0.90	22.50	34.00	4.66	30.92	2.21	£4.69
HPCET4147	6.30	0.90	30.60	49.20	4.66	30.92	1.42	£4.69
HPCET4148	6.30	0.90	44.10	73.80	4.66	30.92	0.88	£4.69
HPCET4149	10.00	0.90	23.00	46.10	2.89	20.00	0.73	£4.69
HPCET4150	10.00	0.90	28.40	65.30	2.89	20.00	0.46	£4.69
HPCET4151	10.00	0.90	36.50	94.10	2.89	20.00	0.29	£4.69
HPCET4152	10.00	0.90	50.00	142.20	2.89	20.00	0.19	£4.69
HPCET4153	10.00	0.90	68.00	206.00	2.89	20.00	0.12	£4.69
HPCET4154	5.00	1.00	15.80	19.05	6.27	50.66	13.25	£4.69
HPCET4155	5.00	1.00	21.80	27.00	6.27	50.66	8.25	£4.69
HPCET4156	5.00	1.00	30.80	38.90	6.27	50.66	5.30	£4.69
HPCET4157	7.00	1.00	19.00	27.17	6.27	37.75	3.92	£4.69
HPCET4158	7.00	1.00	25.00	38.10	6.27	37.75	2.45	£4.69
HPCET4159	7.00	1.00	34.00	54.40	6.27	37.75	1.52	£4.69
HPCET4160	7.00	1.00	49.00	81.70	6.27	37.75	0.98	£4.69
HPCET4161	7.00	1.00	290.00	510.00	6.27	37.75	0.15	£8.43
HPCET4162	11.00	1.00	25.40	50.20	3.49	24.67	0.85	£4.69
HPCET4163	11.00	1.00	31.40	71.00	3.49	24.67	0.53	£4.69
HPCET4164	11.00	1.00	40.40	102.30	3.49	24.67	0.34	£4.69

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCET4165	11.00	1.00	55.40	154.40	3.49	24.67	0.22	**£4.69**
HPCET4166	11.00	1.00	75.40	224.40	3.49	24.67	0.14	**£4.69**
HPCET4167	5.50	1.10	17.40	20.94	8.97	60.66	14.58	**£5.44**
HPCET4168	5.50	1.10	24.00	29.66	8.97	60.66	9.17	**£5.44**
HPCET4169	5.50	1.10	33.90	42.74	8.97	60.66	5.83	**£5.44**
HPCET4170	7.50	1.10	20.60	28.90	6.87	46.25	4.74	**£5.44**
HPCET4171	7.50	1.10	27.20	40.50	6.87	46.25	2.96	**£5.44**
HPCET4172	7.50	1.10	37.10	57.90	6.87	46.25	1.90	**£5.44**
HPCET4173	7.50	1.10	53.60	86.80	6.87	46.25	1.18	**£5.44**
HPCET4174	12.00	1.10	27.80	54.20	4.38	29.83	0.96	**£5.44**
HPCET4175	12.00	1.10	34.40	76.70	4.38	29.83	0.60	**£5.44**
HPCET4176	12.00	1.10	44.30	110.40	4.38	29.83	0.38	**£5.44**
HPCET4177	12.00	1.10	60.80	166.80	4.38	29.83	0.23	**£5.44**
HPCET4178	12.00	1.10	82.80	241.80	4.38	29.83	0.17	**£5.44**
HPCET4179	6.00	1.20	19.00	22.80	10.52	71.08	15.92	**£5.44**
HPCET4180	6.00	1.20	26.20	32.28	10.52	71.08	10.00	**£5.44**
HPCET4181	6.00	1.20	37.00	46.50	10.52	71.08	6.36	**£5.44**
HPCET4182	8.50	1.20	23.00	32.85	7.68	52.33	4.52	**£5.44**
HPCET4183	8.50	1.20	30.20	46.00	7.68	52.33	2.82	**£5.44**
HPCET4184	8.50	1.20	41.00	65.60	7.68	52.33	1.81	**£5.44**
HPCET4185	8.50	1.20	59.00	98.60	7.68	52.33	1.12	**£5.44**
HPCET4186	8.50	1.20	290.00	515.00	7.68	52.33	0.20	**£9.74**
HPCET4187	13.00	1.20	30.20	58.10	5.47	35.17	1.07	**£5.44**
HPCET4188	13.00	1.20	37.40	82.10	5.47	35.17	0.67	**£5.44**
HPCET4189	13.00	1.20	48.20	118.00	5.47	35.17	0.42	**£5.44**
HPCET4190	13.00	1.20	66.20	178.20	5.47	35.17	0.27	**£5.44**
HPCET4191	13.00	1.20	90.20	258.20	5.47	35.17	0.17	**£5.44**
HPCET4192	7.00	1.40	22.10	26.46	14.07	95.00	18.58	**£6.05**
HPCET4193	7.00	1.40	30.50	37.48	14.07	95.00	11.58	**£6.05**
HPCET4194	7.00	1.40	43.10	54.00	14.07	95.00	7.42	**£6.05**
HPCET4195	10.00	1.40	26.90	38.50	10.55	69.66	5.12	**£6.05**
HPCET4196	10.00	1.40	35.30	53.80	10.55	69.66	3.19	**£6.05**
HPCET4197	10.00	1.40	47.90	76.80	10.55	69.66	2.05	**£6.05**

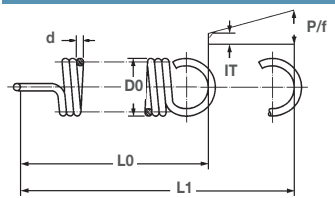
Mechanical
Extension Springs

Materials
Stainless Steel



PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCET4198	10.00	1.40	68.90	115.10	10.55	69.66	1.28	£6.05
HPCET4199	10.00	1.40	290.00	510.10	10.55	69.66	0.27	£11.65
HPCET4200	15.00	1.40	34.90	66.10	7.09	47.58	1.29	£6.05
HPCET4201	15.00	1.40	43.30	93.30	7.09	47.58	0.81	£6.05
HPCET4202	15.00	1.40	55.90	134.00	7.09	47.58	0.52	£6.05
HPCET4203	15.00	1.40	76.90	201.90	7.09	47.58	0.32	£6.05
HPCET4204	15.00	1.40	105.00	292.00	7.09	47.58	0.22	£6.94
HPCET4205	8.00	1.60	25.30	30.18	18.17	121.66	21.17	£6.05
HPCET4206	8.00	1.60	34.90	42.71	18.17	121.66	13.25	£6.05
HPCET4207	8.00	1.60	49.30	61.50	18.17	121.66	8.50	£6.05
HPCET4208	11.00	1.60	30.10	41.80	14.09	92.50	6.70	£6.05
HPCET4209	11.00	1.60	39.70	58.40	14.09	92.50	4.18	£6.05
HPCET4210	11.00	1.60	54.10	83.40	14.09	92.50	2.68	£6.05
HPCET4211	11.00	1.60	78.10	124.90	14.09	92.50	1.67	£6.05
HPCET4212	17.00	1.60	39.70	74.00	9.68	61.66	1.52	£6.05
HPCET4213	17.00	1.60	49.30	104.10	9.68	61.66	0.95	£6.05
HPCET4214	17.00	1.60	63.70	149.30	9.68	61.66	0.61	£6.05
HPCET4215	17.00	1.60	87.70	224.70	9.68	61.66	0.38	£6.94
HPCET4216	17.00	1.60	120.00	325.00	9.68	61.66	0.25	£7.95
HPCET4217	9.00	1.80	28.40	33.77	22.06	149.99	23.83	£7.95

'Never Knowingly Outpriced'



Extension SPRINGS

Our extension springs have a wide application for experimental, development, prototype and maintenance work and have been specified and designed to high precision standards. All our extension springs have uniform body diameter and are produced with full twist loops the same diameter as the body. They are wound with initial tension, therefore some force is required before the coils are initially separated.

KEY TO MEASUREMENTS

D0 = Outside diameter mm.
L0 = Free length mm.
P/f = Rate N/mm.
P1 = Load at L1 Newtons
d = Wire diameter mm
L1 = Maximum extended length mm.
P/f = Rate N/mm
I/T = Initial tension load Newtons

Materials
MUSIC WIRE to DIN 17223, Class C. No. 1,1200. BS5216 ND3 or HD3-AMS5112.
STAINLESS STEEL wire to DIN 17224. No. 1,4310.-BS2056 EN58A.
Commercial 302 AMS 5688 spring temper.

Ends
German loops closed. End position will vary.

Loads
Load values shown are for music wire

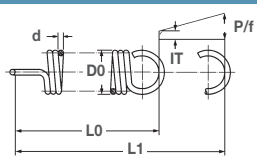
tolerances
All dimensions and forces to DIN 2097 (Grade 2).

Surface finish
Normal wire oiled. Shot-peened and plated finishes supplied on request.
To determine the load at any working length (use rate x deflection) + initial tension.

1 lb = 4.448 Newtons
1 Newton = 0.225 lb
1 kg. = 9.80665 Newtons
1 Newton = 0.10197 kg

Mechanical
Extension Springs

Materials
Music Wire
DN 17223



DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCT3080	2.50	0.50	7.90	9.61	2.45	16.10	7.98	£3.61
HPCT3081	2.50	0.50	10.90	13.64	2.45	16.10	4.98	£3.61
HPCT3082	2.50	0.50	15.40	19.68	2.45	16.10	3.19	£3.61
HPCT3083	3.50	0.50	9.50	13.82	1.77	12.00	2.35	£3.61
HPCT3084	3.50	0.50	12.50	19.41	1.77	12.00	1.47	£3.61
HPCT3085	3.50	0.50	17.00	27.80	1.77	12.00	0.94	£3.61
HPCT3086	3.50	0.50	24.50	41.80	1.77	12.00	0.59	£3.61
HPCT3087	3.50	0.50	290.00	500.00	1.77	12.00	0.05	£3.61
HPCT3088	5.50	0.50	12.70	25.80	2.50	9.27	0.51	£3.61
HPCT3089	5.50	0.50	15.70	36.60	2.50	9.27	0.31	£3.61
HPCT3090	5.50	0.50	20.20	52.90	2.50	9.27	0.21	£3.61
HPCT3091	5.50	0.50	27.70	80.00	2.50	9.27	0.13	£3.61
HPCT3092	5.50	0.50	37.70	116.10	2.50	9.27	0.09	£3.61
HPCT3093	2.80	0.55	8.80	10.78	2.79	19.00	8.18	£3.61
HPCT3094	2.80	0.55	12.10	15.27	2.79	19.00	5.11	£3.61
HPCT3095	2.80	0.55	17.00	21.96	2.79	19.00	3.27	£3.61
HPCT3096	3.50	0.55	9.90	13.58	2.38	15.70	3.63	£3.61
HPCT3097	3.50	0.55	13.20	19.09	2.38	15.70	2.27	£3.61
HPCT3098	3.50	0.55	18.10	27.30	2.38	15.70	1.45	£3.61
HPCT3099	3.50	0.55	26.40	41.10	2.38	15.70	0.90	£3.61
HPCT3100	6.00	0.55	13.90	28.00	1.09	9.50	0.58	£3.61
HPCT3101	6.00	0.55	17.20	39.70	1.09	9.50	0.36	£3.61
HPCT3102	6.00	0.55	22.10	57.20	1.09	9.50	0.23	£3.61
HPCT3103	6.00	0.55	30.40	86.60	1.09	9.50	0.15	£3.61
HPCT3104	6.00	0.55	41.40	125.70	1.09	9.50	0.11	£3.61
HPCT3105	3.00	0.63	9.70	11.55	4.19	26.20	12.10	£3.99

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCT3106	3.00	0.63	13.50	16.46	4.19	26.20	7.51	£3.99
HPCT3107	3.00	0.63	19.20	23.82	4.19	26.20	4.81	£3.99
HPCT3108	4.50	0.63	12.10	17.75	2.61	18.30	2.77	£3.99
HPCT3109	4.50	0.63	15.90	24.94	2.61	18.30	1.73	£3.99
HPCT3110	4.50	0.63	21.60	35.70	2.61	18.30	1.11	£3.99
HPCT3111	4.50	0.63	31.00	53.60	2.61	18.30	0.70	£3.99
HPCT3112	7.00	0.63	16.10	32.70	1.67	12.20	0.62	£3.99
HPCT3113	7.00	0.63	19.90	46.50	1.67	12.20	0.39	£3.99
HPCT3114	7.00	0.63	25.60	67.20	1.67	12.20	0.25	£3.99
HPCT3115	7.00	0.63	35.00	101.50	1.67	12.20	0.16	£3.99
HPCT3116	7.00	0.63	47.60	147.30	1.67	12.20	0.11	£3.99
HPCT3117	3.50	0.70	11.10	13.46	4.47	30.70	11.10	£3.99
HPCT3118	3.50	0.70	15.30	19.08	4.47	30.70	6.95	£3.99
HPCT3119	3.50	0.70	21.60	27.50	4.47	30.70	4.44	£3.99
HPCT3120	5.00	0.70	13.50	19.75	3.39	22.60	3.07	£3.99
HPCT3121	5.00	0.70	17.70	27.70	3.39	22.60	1.92	£3.99
HPCT3122	5.00	0.70	24.00	39.60	3.39	22.60	1.23	£3.99
HPCT3123	5.00	0.70	34.50	59.50	3.39	22.60	0.77	£3.99
HPCT3124	7.50	0.70	17.50	34.40	2.18	15.40	0.78	£3.99
HPCT3125	7.50	0.70	21.70	48.70	2.18	15.40	0.49	£3.99
HPCT3126	7.50	0.70	28.00	70.20	2.18	15.40	0.31	£3.99
HPCT3127	7.50	0.70	38.50	106.00	2.18	15.40	0.20	£3.99
HPCT3128	7.50	0.70	52.50	153.50	2.18	15.40	0.13	£3.99
HPCT3129	4.00	0.80	12.60	15.26	5.96	39.90	12.70	£3.99
HPCT3130	4.00	0.80	17.40	21.66	5.96	39.90	8.00	£3.99
HPCT3131	4.00	0.80	24.60	31.26	5.96	39.90	5.10	£3.99
HPCT3132	5.50	0.80	15.00	21.40	4.79	30.20	4.00	£3.99
HPCT3133	5.50	0.80	19.80	30.00	4.79	30.20	2.50	£3.99
HPCT3134	5.50	0.80	27.00	43.00	4.79	30.20	1.60	£3.99
HPCT3135	5.50	0.80	39.00	64.60	4.79	30.20	1.00	£3.99
HPCT3136	5.50	0.80	290.00	515.00	4.79	30.20	0.11	£3.99
HPCT3137	9.00	0.80	20.60	42.00	2.73	19.00	0.76	£3.99
HPCT3138	9.00	0.80	25.40	59.70	2.73	19.00	0.47	£3.99

Mechanical
Extension Springs

Materials
Music Wire
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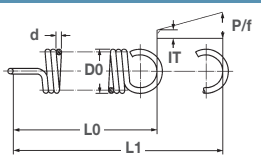

DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCT3139	9.00	0.80	32.60	86.10	2.73	19.00	0.30	£3.99
HPCT3140	9.00	0.80	44.60	130.20	2.73	19.00	0.19	£3.99
HPCT3141	9.00	0.80	60.60	188.60	2.73	19.00	0.13	£3.99
HPCT3142	4.50	0.90	14.20	17.15	7.45	49.70	14.30	£4.46
HPCT3143	4.50	0.90	19.60	24.32	7.45	49.70	8.96	£4.46
HPCT3144	4.50	0.90	27.70	35.08	7.45	49.70	5.73	£4.46
HPCT3145	6.30	0.90	17.10	24.53	5.58	37.10	4.23	£4.46
HPCT3146	6.30	0.90	22.50	34.00	5.58	37.10	2.65	£4.46
HPCT3147	6.30	0.90	30.60	49.20	5.58	37.10	1.70	£4.46
HPCT3148	6.30	0.90	44.10	73.80	5.58	37.10	1.06	£4.46
HPCT3149	10.00	0.90	23.00	46.10	3.46	24.00	0.88	£4.46
HPCT3150	10.00	0.90	28.40	65.30	3.46	24.00	0.55	£4.46
HPCT3151	10.00	0.90	36.50	94.10	3.46	24.00	0.35	£4.46
HPCT3152	10.00	0.90	50.00	142.20	3.46	24.00	0.23	£4.46
HPCT3153	10.00	0.90	68.00	206.00	3.46	24.00	0.15	£4.46
HPCT3154	5.00	1.00	15.80	19.05	7.52	60.80	15.90	£4.46
HPCT3155	5.00	1.00	21.80	27.00	7.52	60.80	9.90	£4.46
HPCT3156	5.00	1.00	30.80	38.90	7.52	60.80	6.37	£4.46
HPCT3157	7.00	1.00	19.00	27.17	7.52	45.30	4.71	£4.46
HPCT3158	7.00	1.00	25.00	38.10	7.52	45.30	2.94	£4.46
HPCT3159	7.00	1.00	34.00	54.40	7.52	45.30	1.83	£4.46
HPCT3160	7.00	1.00	49.00	81.70	7.52	45.30	1.18	£4.46
HPCT3161	7.00	1.00	290.00	510.00	7.52	45.30	0.18	£6.21
HPCT3162	11.00	1.00	25.40	50.20	4.18	29.60	1.02	£4.50
HPCT3163	11.00	1.00	31.40	71.00	4.18	29.60	0.64	£4.50
HPCT3164	11.00	1.00	40.40	102.30	4.18	29.60	0.41	£4.50

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCT3165	11.00	1.00	55.40	154.40	4.18	29.60	0.26	£4.50
HPCT3166	11.00	1.00	75.40	224.40	4.18	29.60	0.17	£4.50
HPCT3167	5.50	1.10	17.40	20.94	10.77	72.80	17.50	£4.50
HPCT3168	5.50	1.10	24.00	29.66	10.77	72.80	11.00	£4.50
HPCT3169	5.50	1.10	33.90	42.74	10.77	72.80	7.00	£4.50
HPCT3170	7.50	1.10	20.60	28.90	8.25	55.50	5.69	£4.50
HPCT3171	7.50	1.10	27.20	40.50	8.25	55.50	3.55	£4.50
HPCT3172	7.50	1.10	37.10	57.90	8.25	55.50	2.28	£4.50
HPCT3173	7.50	1.10	53.60	86.80	8.25	55.50	1.42	£4.50
HPCT3174	12.00	1.10	27.80	54.20	5.26	35.80	1.15	£4.50
HPCT3175	12.00	1.10	34.40	76.70	5.26	35.80	0.72	£4.50
HPCT3176	12.00	1.10	44.30	110.40	5.26	35.80	0.46	£4.50
HPCT3177	12.00	1.10	60.80	166.80	5.26	35.80	0.28	£4.50
HPCT3178	12.00	1.10	82.80	241.80	5.26	35.80	0.20	£4.50
HPCT3179	6.00	1.20	19.00	22.80	12.63	85.30	19.10	£4.82
HPCT3180	6.00	1.20	26.20	32.28	12.63	85.30	12.00	£4.82
HPCT3181	6.00	1.20	37.00	46.50	12.63	85.30	7.63	£4.82
HPCT3182	8.50	1.20	23.00	32.85	9.22	62.80	5.43	£4.82
HPCT3183	8.50	1.20	30.20	46.00	9.22	62.80	3.39	£4.82
HPCT3184	8.50	1.20	41.00	65.60	9.22	62.80	2.17	£4.82
HPCT3185	8.50	1.20	59.00	98.60	9.22	62.80	1.35	£4.82
HPCT3186	8.50	1.20	290.00	515.00	9.22	62.80	0.24	£6.91
HPCT3187	13.00	1.20	30.20	58.10	6.56	42.20	1.28	£4.82
HPCT3188	13.00	1.20	37.40	82.10	6.56	42.20	0.80	£4.82
HPCT3189	13.00	1.20	48.20	118.00	6.56	42.20	0.51	£4.82
HPCT3190	13.00	1.20	66.20	178.20	6.56	42.20	0.32	£4.82
HPCT3191	13.00	1.20	90.20	258.20	6.56	42.20	0.21	£4.82
HPCT3192	7.00	1.40	22.10	26.46	16.88	114.00	22.30	£4.82
HPCT3193	7.00	1.40	30.50	37.48	16.88	114.00	13.90	£4.82
HPCT3194	7.00	1.40	43.10	54.00	16.88	114.00	8.91	£4.82
HPCT3195	10.00	1.40	26.90	38.50	12.66	83.60	6.14	£4.82
HPCT3196	10.00	1.40	35.30	53.80	12.66	83.60	3.83	£4.82
HPCT3197	10.00	1.40	47.90	76.80	12.66	83.60	2.46	£4.82

Mechanical
Extension Springs

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Music Wire
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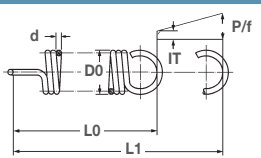

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Max Ext. L1	Initial Tension IT N	Load at L1 N P1	Rate N.mm P/f	Price Each 1-5
HPCT3198	10.00	1.40	68.90	115.10	12.66	83.60	1.54	£4.82
HPCT3199	10.00	1.40	290.00	510.10	12.66	83.60	0.32	£7.93
HPCT3200	15.00	1.40	34.90	66.10	8.50	57.10	1.55	£4.82
HPCT3201	15.00	1.40	43.30	93.30	8.50	57.10	0.97	£4.82
HPCT3202	15.00	1.40	55.90	134.00	8.50	57.10	0.62	£4.82
HPCT3203	15.00	1.40	76.90	201.90	8.50	57.10	0.39	£4.82
HPCT3204	15.00	1.40	105.00	292.00	8.50	57.10	0.26	£4.82
HPCT3205	8.00	1.60	25.30	30.18	21.81	146.00	25.40	£4.82
HPCT3206	8.00	1.60	34.90	42.71	21.81	146.00	15.90	£4.82
HPCT3207	8.00	1.60	49.30	61.50	21.81	146.00	10.20	£4.82
HPCT3208	11.00	1.60	30.10	41.80	16.91	111.00	8.04	£4.82
HPCT3209	11.00	1.60	39.70	58.40	16.91	111.00	5.02	£4.82
HPCT3210	11.00	1.60	54.10	83.40	16.91	111.00	3.22	£4.82
HPCT3211	11.00	1.60	78.10	124.90	16.91	111.00	2.01	£4.82
HPCT3212	17.00	1.60	39.70	74.00	11.62	74.00	1.82	£4.82
HPCT3213	17.00	1.60	49.30	104.10	11.62	74.00	1.14	£4.82
HPCT3214	17.00	1.60	63.70	149.30	11.62	74.00	0.73	£4.82
HPCT3215	17.00	1.60	87.70	224.70	11.62	74.00	0.46	£4.82
HPCT3216	17.00	1.60	120.00	325.00	11.62	74.00	0.30	£4.82
HPCT3217	9.00	1.80	28.40	33.77	26.47	180.00	28.60	£13.51

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