

CONTINUOUS LENGTH SPRINGS

多环弹簧

Round Wire Compression Springs

Engineers, designers, specifiers, repair and maintenance personnel find continuous length compression and extension springs extremely convenient for prototype and maintenance use. These springs are designed to be cut to the length required by any application.

圆钢丝压缩弹簧

工程师、设计师以及修理和维护人员觉得，多环拉伸和压缩弹簧非常适用于试生产和维护。多环拉伸和压缩弹簧可以根据应用场合，切割成所需的长度。

ROUND WIRE COMPRESSION SPRINGS - 10" (25 cm)										
Catalog Number 编号	Hole Size* 孔径*		Wire Diameter 线径		Spring Rate 弹性系数 (±20%)		Approx. Solid Height 固定状态下 的高度 (估算)		Min. Order 最少 订购数	
	in	mm	in	mm	lb/in	N/mm	in	mm		
C093-010-10-L	0.093	2.36	0.010	0.254	0.12	0.021	2.80	71.12	12	
C093-014-10-L	0.093	2.36	0.014	0.356	0.50	0.088	3.99	101.35	12	
C125-012-10-L	0.125	3.18	0.012	0.305	0.11	0.019	3.00	76.20	12	
C125-016-10-L	0.125	3.18	0.016	0.406	0.38	0.067	4.00	101.60	12	
C188-014-10-L	0.188	4.78	0.014	0.356	0.08	0.014	1.96	49.78	12	
C188-018-10-L	0.188	4.78	0.018	0.457	0.26	0.046	2.52	64.01	12	
C188-026-10-L	0.188	4.78	0.026	0.660	1.39	0.243	3.38	85.85	12	
C188-035-10-L	0.188	4.78	0.035	0.889	3.84	0.672	6.65	168.91	12	
C250-018-10-L	0.250	6.35	0.018	0.457	0.14	0.025	1.71	43.43	12	
C250-022-10-L	0.250	6.35	0.022	0.559	0.26	0.046	2.53	64.26	12	
C250-026-10-L	0.250	6.35	0.026	0.660	0.69	0.121	2.47	62.74	12	
C250-031-10-L	0.250	6.35	0.031	0.787	1.46	0.256	3.10	78.74	12	
C250-035-10-L	0.250	6.35	0.035	0.889	1.82	0.319	4.55	115.57	12	
C250-041-10-L	0.250	6.35	0.041	1.041	5.83	1.021	3.69	93.73	12	
C250-047-10-L	0.250	6.35	0.047	1.194	9.35	1.637	4.70	119.38	12	
C312-022-10-L	0.312	7.92	0.022	0.559	0.15	0.026	2.20	55.88	12	
C312-031-10-L	0.312	7.92	0.031	0.787	0.63	0.110	3.41	86.61	12	
C312-037-10-L	0.312	7.92	0.037	0.940	1.35	0.236	4.07	103.38	12	
C312-041-10-L	0.312	7.92	0.041	1.041	2.88	0.504	3.28	83.31	12	
C312-047-10-L	0.312	7.92	0.047	1.194	6.06	1.061	3.53	89.66	12	
C312-055-10-L	0.312	7.92	0.055	1.397	11.45	2.005	4.40	111.76	12	
C375-031-10-L	0.375	9.53	0.031	0.787	0.33	0.058	3.41	86.61	12	
C375-035-10-L	0.375	9.53	0.035	0.889	0.61	0.107	3.50	88.90	12	
C375-043-10-L	0.375	9.53	0.043	1.092	2.19	0.383	3.01	76.45	12	
C375-047-10-L	0.375	9.53	0.047	1.194	2.67	0.468	4.00	101.60	12	
C375-055-10-L	0.375	9.53	0.055	1.397	7.03	1.231	3.30	83.82	12	
C375-062-10-L	0.375	9.53	0.062	1.575	12.36	2.164	4.03	102.36	12	
C375-075-10-L	0.375	9.53	0.075	1.905	27.77	4.863	5.25	133.35	12	
C438-035-10-L	0.438	11.13	0.035	0.889	0.54	0.095	2.45	62.23	12	
C438-047-10-L	0.438	11.13	0.047	1.194	1.87	0.327	3.29	83.57	12	
C438-055-10-L	0.438	11.13	0.055	1.397	4.49	0.786	3.30	83.82	12	
C438-062-10-L	0.438	11.13	0.062	1.575	6.90	1.208	4.03	102.36	12	
C438-075-10-L	0.438	11.13	0.075	1.905	19.81	3.469	4.13	104.90	12	
C438-085-10-L	0.438	11.13	0.085	2.159	31.15	5.454	5.10	129.54	12	
C500-035-10-L	0.500	12.70	0.035	0.889	0.25	0.044	3.15	80.01	12	
C500-047-10-L	0.500	12.70	0.047	1.194	1.10	0.193	3.53	89.66	12	
C500-055-10-L	0.500	12.70	0.055	1.397	2.33	0.408	3.85	97.79	12	
C500-062-10-L	0.500	12.70	0.062	1.575	7.11	1.245	2.40	60.96	12	
C500-075-10-L	0.500	12.70	0.075	1.905	15.03	2.632	3.38	85.85	12	
C500-091-10-L	0.500	12.70	0.091	2.311	32.54	5.698	4.55	115.57	12	
C500-115-10-L	0.500	12.70	0.115	2.921	91.47	16.016	6.33	160.78	12	

* Hole size refers to the diameter of the hole the spring can be inserted in.
* 孔径为弹簧可以插入的孔的直径。

Material

Either hard drawn or music wire will be supplied, based on availability at time of shipment.

Rate

To calculate rate at desired cut length: original rate X original length * new length.

材质

可供应硬拉线或者乐器金属弦线材材质部件，根据装运时的库存而定。

弹性系数

计算所需切割长度的弹性系数：原弹性系数X原长度÷新长度。

ROUND WIRE COMPRESSION SPRINGS - 18" (45 cm)										
Catalog Number 编号	Hole Size* 孔径*		Wire Diameter 线径		Spring Rate 弹性系数 (±20%)		Approx. Solid Height 固定状态下 的高度 (估算)		Min. Order 最少 订购数	
	in	mm	in	mm	lb/in	N/mm	in	mm		
C500-041-18-L	0.500	12.70	0.041	1.04	0.61	0.107	3.32	84.33	12	
C500-054-18-L	0.500	12.70	0.054	1.37	2.32	0.406	3.89	98.81	12	
C562-062-18-L	0.562	14.27	0.062	1.57	1.86	0.326	6.42	163.07	12	
C562-072-18-L	0.562	14.27	0.072	1.83	5.30	0.928	5.18	131.57	12	
C625-054-18-L	0.625	15.88	0.054	1.37	1.42	0.249	2.92	74.17	12	
C688-062-18-L	0.688	17.48	0.062	1.57	1.87	0.327	3.35	85.09	12	
C688-068-18-L	0.688	17.48	0.068	1.73	2.26	0.396	4.28	108.71	12	
C688-072-18-L	0.688	17.48	0.072	1.83	3.17	0.555	4.21	106.93	12	
C812-062-18-L	0.812	20.62	0.062	1.57	1.25	0.219	2.79	70.87	12	
C812-080-18-L	0.812	20.62	0.080	2.03	3.85	0.674	3.60	91.44	12	
C875-098-18-L	0.875	22.23	0.098	2.49	7.95	1.392	3.97	100.84	12	
C938-080-18-L	0.938	23.83	0.080	2.03	2.32	0.406	3.53	89.66	12	
C938-125-18-L	0.938	23.83	0.125	3.18	14.52	2.542	6.19	157.23	12	
C1000-098-18-L	1.000	25.40	0.098	2.49	5.72	1.002	3.44	87.38	12	
C1062-085-18-L	1.062	26.97	0.085	2.16	2.21	0.387	7.29	185.17	12	
C1062-125-18-L	1.062	26.97	0.125	3.18	13.61	2.383	4.50	114.30	12	
C1125-125-18-L	1.125	28.58	0.125	3.18	7.89	1.382	3.60	91.44	12	
C1125-135-18-L	1.125	28.58	0.135	3.43	9.98	1.747	6.19	157.23	12	
C1188-090-18-L	1.188	30.18	0.090	2.29	2.77	0.485	2.84	72.14	12	
C1188-125-18-L	1.188	30.18	0.125	3.18	9.10	1.593	4.50	114.30	12	
C1375-148-18-L	1.375	34.93	0.148	3.76	12.83	2.247	4.46	113.28	12	
C1625-148-18-L	1.625	41.28	0.148	3.76	8.09	1.417	3.99	101.35	12	
C1875-148-18-L	1.875	47.63	0.148	3.76	4.66	0.816	4.66	118.36	12	

* Hole size refers to the diameter of the hole the spring can be inserted in.
* 孔径为弹簧可以插入的孔的直径。

Assortments/Kits

Assortment A-18-R consists of one each of the above 23 different springs. Material will be hard drawn wire.

组合套装

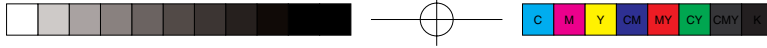
A-18-R套装包括上述23种不同弹簧各一个。弹簧材质为硬拉线。

Assortments/Kits

Assortment A-10-R consists of one each of the above 41 different springs. Material will be hard drawn wire.

组合套装

A-10-R套装包括上述41种不同弹簧各一个。弹簧材质为硬拉线。



COMPRESSION (METRE LENGTHS) 压缩弹簧 (标准一米长)

SPEC Meter lengths can be used as a stock item or cut to the length required by any application.
SPEC 标准一米长弹簧可作为常备物品，也可以按照各种应用需求进行剪切。

Material

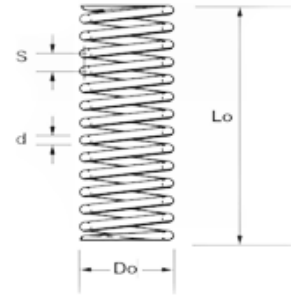
D19xxx : Music wire to DIN 17223 Class C. No 1,1200
D29xxx : Stainless steel 300 series
(based on availability at time of shipment)

材质

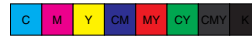
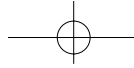
D19xxx : 乐器金属弦线至DIN 17223 C级 编号: 1-1200
D29xxx : 不锈钢300系列
(根据装运时的库存而定)

Do = Outside Diameter
d = Wire diameter
Lo = Free Length
S = Pitch

Do = 外径
d = 线径
Lo = 自由长度
S = 间距



压缩 (1米长) (1 metre length)					
Do 外径	d 线径	Lo 自由长度	S 间距	Part Number (Music Wire) 零件编号 (乐器金属弦线)	Part Number (Stainless Steel) 零件编号 (不锈钢)
mm	mm	mm	mm		
2.40	0.40	1000	0.90	D19000	D29000
3.60		1000	1.30	D19010	D29010
3.70	0.50	1000	1.40	D19020	D29020
4.50		1000	1.80	D19030	D29030
4.63	0.63	1000	1.70	D19040	D29040
5.63		1000	2.20	D19050	D29050
5.80	0.80	1000	2.20	D19060	D29060
7.10		1000	2.80	D19070	D29070
7.30	1.00	1000	2.30	D19080	D29080
9.00		1000	3.30	D19090	D29090
9.25	1.25	1000	3.90	D19100	D29100
11.25		1000	5.30	D19110	D29110
11.60	1.60	1000	4.80	D19120	D29120
14.10		1000	6.25	D19130	D29130
14.50	2.00	1000	5.50	D19140	D29140
18.00		1000	8.00	D19150	D29150
15.00	2.20	1000	5.00	D19160	D29160
24.00		1000	10.60	D19170	D29170
18.50	2.50	1000	7.00	D19180	D29180
22.50		1000	9.50	D19190	D29190
20.00	2.80	1000	9.00	D19200	D29200
30.00		1000	12.50	D19210	D29210
28.20	3.20	1000	11.00	D19220	D29220
35.20		1000	15.00	D19230	D29230



CONTINUOUS LENGTH SPRINGS

多环弹簧

Round Wire Extension Springs

圆钢丝拉伸弹簧

Continuous length Extension Springs are designed to be cut to the length required by any specific application.
多环拉伸弹簧可以切割成所需的长度。

To determine the rate per inch of extension at the final cut length, use the formula on the right:

使用右侧的公式，可以确定切割为最终长度时的拉伸系数。

ROUND WIRE EXTENSION SPRINGS - 20" (50 cm) - NO LOOPS

圆钢丝拉伸弹簧 - 20" (50 cm) - 无弯环 (不锈钢材质)

Catalog Number 编号	Outside Diameter 外径		Wire Diameter 线径		Approx. Number of coils/inch 每英寸线圈数 (约)	C*
	in	mm	in	mm		
E0125-013-CS	0.125	3.175	0.013	0.33	76	25
E0125-017-CS	0.125	3.175	0.017	0.43	57.5	83
E0187-015-CS	0.187	4.750	0.015	0.38	66.5	12
E0187-020-CS	0.187	4.750	0.020	0.51	49	43
E0187-026-CS	0.187	4.750	0.026	0.66	38.5	137
E0250-017-CS	0.250	6.350	0.017	0.43	57.5	8
E0250-020-CS	0.250	6.350	0.020	0.51	49	16
E0250-032-CS	0.250	6.350	0.032	0.81	31.5	131
E0312-020-CS	0.312	7.925	0.020	0.51	49	8
E0312-026-CS	0.312	7.925	0.026	0.66	38.5	24
E0312-032-CS	0.312	7.925	0.032	0.81	31.5	59
E0312-041-CS	0.312	7.925	0.041	1.04	24	176
E0375-032-CS	0.375	9.525	0.032	0.81	31.5	32
E0375-041-CS	0.375	9.525	0.041	1.04	24	95
E0375-054-CS	0.375	9.525	0.054	1.37	18.5	321
E0438-041-CS	0.438	11.125	0.041	1.04	24	57
E0438-054-CS	0.438	11.125	0.054	1.37	18.5	188
E0500-054-CS	0.500	12.700	0.054	1.37	18.5	120
E0500-072-CS	0.500	12.700	0.072	1.83	14	428
E0562-072-CS	0.562	14.275	0.072	1.83	14	286
E0562-091-CS	0.562	14.275	0.091	2.31	10.5	820
E0625-072-CS	0.625	15.875	0.072	1.83	14	199
E0625-091-CS	0.625	15.875	0.091	2.31	10.5	563
E0750-091-CS	0.750	19.050	0.091	2.31	10.5	300

*C is the constant for each size of spring.

*C为恒定值。



Spring Looping Tool

弹簧卷环工具

Loops springs from 1/8" (3.175 mm) to 1/2" (12.7 mm) O.D.

Catalog Number H1

Used to make cross over loops on continuous length extension springs up to 1/2" (12.7 mm) outside diameter and up to .062" (1.57 mm) diameter wire. In addition, two forming punches are provided with the tool.

将弹簧从 1/8" (3.175 mm) 卷制成 1/2" (12.7 mm) 外径编号H1

用于在外径为 1/2" (12.7 mm) 线径为 .062" (1.57 mm) 的多环拉伸弹簧上卷重叠的环。此外，该工具还带有两个成形冲头。

N= Number of coils per inch x length in inches
N= 每英寸线圈数 × 长度 (英寸)

Rate= C/N, C being the constant for each size of spring, as per tables below.

拉伸系数= C/N, 对于各种尺寸的弹簧, C为恒定值, 如下表所示。

要确定拉伸长度下的载荷, 用拉伸系数乘以变形量。

ROUND WIRE EXTENSION SPRINGS - 20" (50 cm) - NO LOOPS

Catalog Number 编号	Outside Diameter 外径		Wire Diameter 线径		Approx. Number of coils/inch 每英寸线圈数 (约)	C*
	in	mm	in	mm		
E0125-017-CH	0.125	3.175	0.016	0.41	61.5	73
E0125-023-CH	0.125	3.175	0.023	0.58	43.5	379
E0187-023-CH	0.187	4.750	0.023	0.58	43.5	91
E0187-028-CH	0.187	4.750	0.028	0.71	36	220
E0250-028-CH	0.250	6.350	0.028	0.71	36	81
E0250-035-CH	0.250	6.350	0.035	0.89	30	217
E0312-035-CH	0.312	7.925	0.035	0.89	30	101
E0312-047-CH	0.312	7.925	0.047	1.19	21	395
E0375-035-CH	0.375	9.525	0.035	0.89	30	55
E0375-047-CH	0.375	9.525	0.047	1.19	21	208
E0438-035-CH	0.438	11.125	0.035	0.89	30	33
E0438-047-CH	0.438	11.125	0.047	1.19	21	123
E0500-047-CH	0.500	12.700	0.047	1.83	21	79
E0500-072-CH	0.500	12.700	0.072	1.83	14	493
E0562-063-CH	0.562	14.275	0.063	1.60	16	128
E0625-080-CH	0.625	15.875	0.080	2.03	12.5	380
E0750-105-CH	0.750	19.050	0.105	2.67	9.5	651
E0875-105-CH	0.875	22.225	0.105	2.67	9.5	383
E1000-092-CH	1.000	25.400	0.092	2.34	10.5	138
E1000-120-CH	1.000	25.400	0.120	3.05	8.5	446
E1125-135-CH	1.125	28.575	0.135	3.43	8	492

*C is the constant for each size of spring.

*C为恒定值。

Assortments/Kits 组合套件

Each package assortment includes a range of sizes that enables the user to customize the spring to the application. Our spring loop tool assists in making correctly looped ends.
每个组合套件都包含一组弹簧, 使用户能在不同应用场合使用。我们的弹簧卷制工具帮助您正确卷制末端的环。

Assortment E0125-E0250 (8 items) - includes one piece each of springs:
组合套件 E0125-E0250 (8种) - 每种弹簧各一个:

E0125-017-CH	E0187-023-CH	E0250-028-CH
E0125-023-CH	E0187-028-CH	E0250-035-CH
E0312-035-CH	E0312-047-CH	

Assortment E0375-E0625 (8 items) - includes one piece each of springs:
组合套件 E0375-E0625 (8种) - 每种弹簧各一个:

E0375-035-CH	E0438-035-CH	E0500-047-CH
E0375-047-CH	E0438-047-CH	E0500-072-CH
E0562-063-CH	E0625-080-CH	

Assortment E0625-E1125 (6 items) - includes one piece each of springs:
组合套件 E0625-E1125 (6种) - 每种弹簧各一个:

E0625-080-CH	E0875-105-CH	E1000-120-CH
E0750-105-CH	E1000-092-CH	E1125-135-CH

Assortment E017-E120 (6 items) - includes one piece each of springs:
组合套件 E017-E120 (6种) - 每种弹簧各一个:

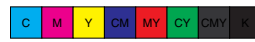
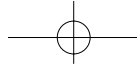
E0125-017-CH	E0250-035-CH	E0625-080-CH
E0187-023-CH	E0375-047-CH	E1000-120-CH

Assortment E023-E105 (6 items) - includes one piece each of springs:
组合套件 E023-E105 (6种) - 每种弹簧各一个:

E0125-023-CH	E0250-035-CH	E0375-035-CH
E0187-028-CH	E0750-105-CH	E0500-072-CH

HENRY® www.hlspring.com

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EXTENSION SPRING (METRE LENGTHS) 拉伸弹簧 (标准一米长)

HenryMeter lengths can be used as a stock item or cut to the length required by any application.
Henry 标准一米长弹簧可作为常备物品，也可以按照各种应用需求进行剪切。

Material

T39xxx : Music wire to DIN 17223 Class C. No 1,1200

T49xxx : Stainless steel 300 series
(based on availability at time of shipment)

材质

T39xxx : 琴钢丝至DIN 17223 C级 编号: 1-1200

T49xxx : 不锈钢300系列
(根据装运时的库存而定)

Do = Outside Diameter

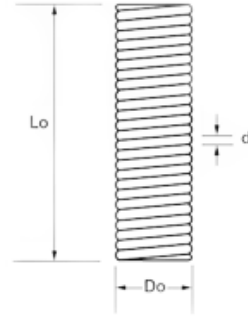
d = Wire diameter

Lo = Free Length

Do = 外径

d = 线径

Lo = 自由长度



拉伸 (1米长度) (1 metre length)

Do 外径	d 线径	Lo 自由长度	Part Number (Music Wire) 零件编号 (乐器金属弦线)	Part Number (Stainless Steel) 零件编号 (不锈钢)
mm	mm	mm		
2.40	0.40	1000	T39000	T49000
3.40		1000	T39010	T49010
3.50	0.50	1000	T39020	T49020
5.50		1000	T39030	T49030
4.50	0.63	1000	T39040	T49040
7.00		1000	T39050	T49050
5.50	0.80	1000	T39060	T49060
9.00		1000	T39070	T49070
7.00	1.00	1000	T39080	T49080
11.00		1000	T39090	T49090
8.50	1.20	1000	T39100	T49100
13.00		1000	T39110	T49110
11.00	1.60	1000	T39120	T49120
17.00		1000	T39130	T49130
14.00	2.00	1000	T39140	T49140
22.00		1000	T39150	T49150
15.00	2.20	1000	T39160	T49160
24.00		1000	T39170	T49170
18.00	2.50	1000	T39180	T49180
28.00		1000	T39190	T49190
20.00	2.80	1000	T39200	T49200
30.00		1000	T39210	T49210
22.00	3.20	1000	T39220	T49220
36.00		1000	T39230	T49230

