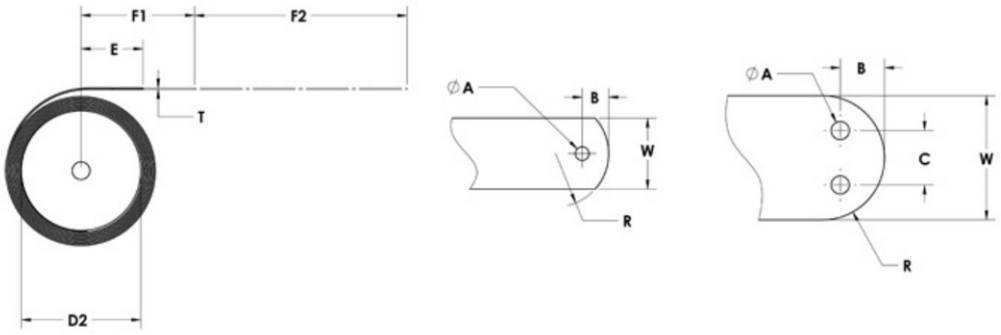
Standard Spring Design Guide
Constant Force Springs

Fatigue Life 20,000 Cycles Minimum



Materials: 301 High Yield Stainless Steel.
Dimensions below are shown in inches.

Part #	Load Lbs.	Drum* Dia. (D2)	Free ID (Ref.)	F1	F2	Thickness (T)	Width (W)	Band	# of Holes	R.	A Dia.	B	C	E
SL4D16	00.23	0.631	0.526	1.0	12	0.004	0.250	16	1	0.22	0.131	0.187	-	0.31
SL5E17	00.36	0.787	0.656	1.2	12	0.005	0.312	17	1	0.22	0.131	0.187	-	0.41
SL5F30	00.43	0.750	0.656	1.1	25	0.005	0.375	30	1	0.22	0.187	0.312	-	0.31
SL6F24	00.52	0.947	0.789	1.4	18	0.006	0.375	24	1	0.50	0.191	0.344	-	0.50
SL6G24	00.70	0.947	0.781	1.4	18	0.006	0.500	24	1	0.50	0.191	0.344	-	0.50
SL8G31	00.93	1.260	1.050	1.9	24	0.008	0.600	31	1	0.50	0.191	0.344	-	0.63
SL10J33	01.46	1.580	1.320	2.4	24	0.010	0.625	33	1	0.50	0.191	0.344	-	0.75
SL12K42	02.09	1.900	1.580	2.9	30	0.012	0.725	42	1	0.50	0.191	0.344	-	0.88
SL12P42	02.80	1.900	1.580	2.9	30	0.012	1.000	42	1	1.03	0.193	0.375	-	0.88
SL15P46	03.50	2.370	1.980	3.6	30	0.015	1.000	46	1	1.03	0.193	0.375	-	1.00
SL15R46	04.37	2.370	1.980	3.6	30	0.015	1.250	46	1	1.03	0.193	0.375	-	1.00
SL20R54	05.83	3.160	2.630	48	36	0.020	1.250	54	1	1.03	0.193	0.375	-	1.50
SL20S54	06.99	3.160	2.630	4.8	36	0.020	1.500	54	2	1.03	0.256	0.625	0.766	1.50
SL25S59	08.74	3.960	3.300	6.0	36	0.025	1.500	59	2	1.03	0.256	0.625	0.766	1.50
SL25U59	11.70	3.960	3.300	6.0	36	0.025	2.000	59	2	1.03	0.256	0.625	0.766	1.50
SL31U69	14.10	4.890	4.080	7.3	42	0.031	2.000	69	2	1.03	0.256	0.625	0.766	2.00

www.HunterSpringAndReel.com
hunter.sales@ametek.com
Tel: 215-355-6900