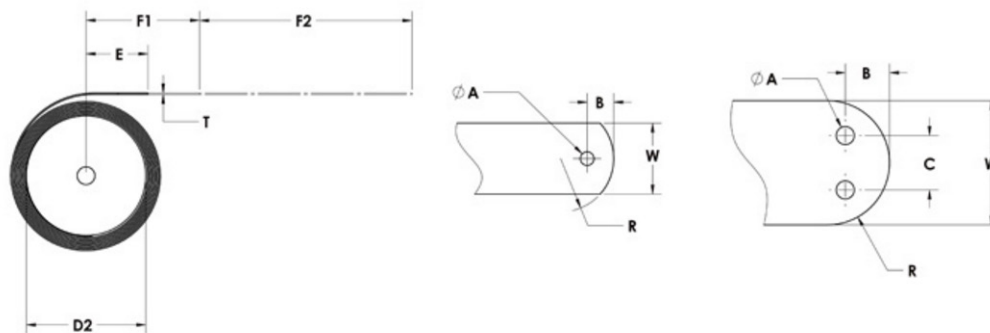


Standard Spring Design Guide

Constant Force Springs

Fatigue Life 13,000 Cycles Minimum



Material: 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
SK4D15	00.32	0.533	0.444	0.8	12	0.004	0.250	15	1	0.22	0.131	0.187	-	0.25
SK4E15	00.40	0.533	0.444	0.8	12	0.004	0.312	15	1	0.22	0.131	0.187	-	0.25
SK5E16	00.49	0.665	0.555	1.0	12	0.005	0.312	16	1	0.22	0.131	0.187	-	0.32
SK6F23	00.71	0.798	0.666	1.2	18	0.006	0.375	23	1	0.50	0.191	0.344	-	0.38
SK6G23	00.95	0.798	0.666	1.2	18	0.006	0.500	23	1	0.50	0.191	0.344	-	0.38
SK8G30	01.26	1.060	0.888	1.6	24	0.008	0.500	30	1	0.50	0.191	0.344	-	0.50
SK8J30	01.58	1.060	0.888	1.6	24	0.008	0.625	30	1	0.50	0.191	0.344	-	0.50
SK10J32	01.98	1.330	1.110	2.0	24	0.010	0.625	32	1	0.50	0.191	0.344	-	0.63
SK10K32	02.37	1.330	1.110	2.0	24	0.010	0.750	32	1	0.50	0.191	0.344	-	0.63
SK12K40	02.84	1.590	1.330	2.4	30	0.012	0.750	40	1	0.50	0.191	0.344	-	0.88
SK12P40	03.79	1.590	1.330	2.4	30	0.012	1.000	40	1	1.03	0.193	0.375	-	0.88
SK15P42	04.74	1.990	1.660	3.0	30	0.015	1.000	42	1	1.03	0.193	0.375	-	1.00
SK18P47	05.69	2.400	2.000	3.6	32	0.018	1.000	47	1	1.03	0.193	0.375	-	1.13
SK20S52	09.48	2.650	2.220	4.0	36	0.020	1.500	52	2	1.03	0.256	0.625	0.766	1.25
SK25S57	11.90	3.330	2.780	5.0	36	0.025	1.500	57	2	1.03	0.256	0.625	0.766	1.50
SK25U57	15.80	3.330	2.780	5.0	36	0.025	2.000	57	2	1.03	0.256	0.625	0.766	0.50
SK31U68	19.60	4.120	3.440	6.2	42	0.031	2.000	68	2	1.03	0.256	0.625	0.766	2.00