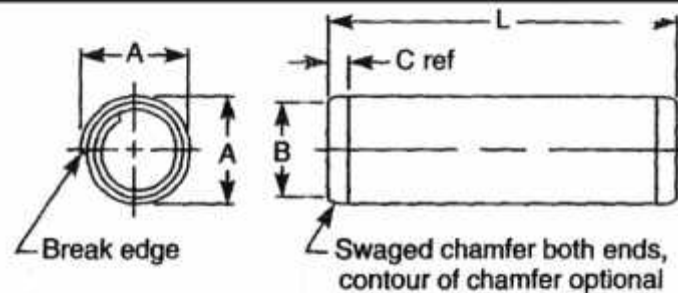




SPIRAL PIN

COILED TYPE

(in Inches)


Table 2 Dimensions of Coiled-Type Spring Pins

Nominal Size or Basic Pin Diameter	A						B		C		Double Shear Load, Min, lb.							
	Pin Diameter						Chamfer		Recommended Hole Size		Standard Duty		Heavy Duty		Light Duty			
	Standard Duty		Heavy Duty		Light Duty		Dia	Length			Material							
	Max	Min	Max	Min	Max	Min			Max	Ref	Max	Min	SAE 1070-1095 and SAE 51420	SAE 30302 and 30304	SAE 1070-1095 and SAE 51420	SAE 30302 and 30304	SAE 1070-1095 and SAE 51420	SAE 30302 and 30304
	1/32	0.031	0.035	0.033	0.029	0.024	0.032	0.031	90	65
	0.039	0.044	0.041	...	...	...	...	0.037	0.024	0.040	0.039	135	100	...	...	...	...
3/64	0.047	0.052	0.049	...	...	...	...	0.045	0.024	0.048	0.047	190	145	...	...	...	...
	0.052	0.057	0.054	...	...	...	...	0.050	0.024	0.053	0.051	250	190	...	...	...	...
1/16	0.062	0.072	0.067	0.070	0.066	0.073	0.067	0.059	0.028	0.065	0.061	330	265	475	360	205	160	
5/64	0.078	0.088	0.083	0.086	0.082	0.089	0.083	0.075	0.032	0.081	0.077	550	425	800	575	325	250	
3/32	0.094	0.105	0.099	0.103	0.098	0.106	0.099	0.091	0.038	0.097	0.093	775	600	1,150	825	475	360	
7/64	0.109	0.120	0.114	0.118	0.113	0.121	0.114	0.106	0.038	0.112	0.108	1,050	825	1,500	1,150	650	500	
1/8	0.125	0.138	0.131	0.136	0.130	0.139	0.131	0.121	0.044	0.129	0.124	1,400	1,100	2,000	1,700	825	650	
5/32	0.156	0.171	0.163	0.168	0.161	0.172	0.163	0.152	0.048	0.160	0.155	2,200	1,700	3,100	2,400	1,300	1,000	
3/16	0.188	0.205	0.196	0.202	0.194	0.207	0.196	0.182	0.055	0.192	0.185	3,150	2,400	4,500	3,500	1,900	1,450	
7/32	0.219	0.238	0.228	0.235	0.226	0.240	0.228	0.214	0.065	0.224	0.217	4,200	3,300	5,900	4,800	2,600	2,000	
1/4	0.250	0.271	0.260	0.268	0.258	0.273	0.260	0.243	0.065	0.256	0.247	5,500	4,300	7,800	6,200	3,300	2,600	
5/16	0.312	0.337	0.324	0.334	0.322	0.339	0.324	0.304	0.080	0.319	0.308	8,700	6,700	12,000	9,300	5,200	4,000	
3/8	0.375	0.403	0.388	0.400	0.386	0.405	0.388	0.366	0.095	0.383	0.370	12,600	9,600	18,000	14,000	...	...
7/16	0.438	0.469	0.452	0.466	0.450	0.471	0.452	0.427	0.095	0.446	0.431	17,000	13,300	23,500	18,000	...	...
1/2	0.500	0.535	0.516	0.532	0.514	0.537	0.516	0.488	0.110	0.510	0.493	22,500	17,500	32,000	25,000	...	...
5/8	0.625	0.661	0.642	0.658	0.640	...	...	0.613	0.125	0.635	0.618	35,000	...	48,000	...	...	...
3/4	0.750	0.787	0.768	0.784	0.766	...	...	0.738	0.150	0.760	0.743	50,000	...	70,000	...	...	...
See Notes 1, 6	2, 3												4, 5					

NOTES :

- 1) Where specifying nominal size in decimals, zeros preceding the decimal shall be omitted.
- 2) Maximum diameter shall be checked by GO ring gage.
- 3) Minimum diameter shall be checked by NOT GO ring gage.
- 4) Sizes 1/32 in. (0.031) through 0.052 in. are not available in SAE 1070-1095 carbon steel.
- 5) Sizes 5/8 in. (0.625) and larger are produced from 6150H alloy steel, not SAE 1070-1095 carbon steel.
- 6) For additional requirements, refer to Introductory Notes and General Data for Spring Pins.