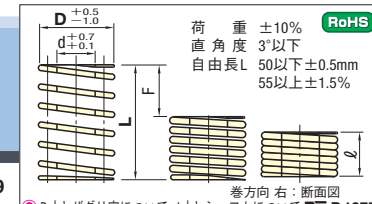


# コイルスプリング

-高タワミ用 SWR-



追加工価格も数量スライド適用 〻 P.49

〻寸とザグリ穴について、〻寸とシャフトについて 〻 P.1377

〻 F(許容タワミ量)は常温(40℃)での測定によるものです。高温(150℃、200℃)での許容最大タワミはP1376の表をご覧ください。

D	d	L	ばね定数		密着長		F=L×50%		型式	基準単価
			N/mm(kgf/mm)	ℓmin.	Fmm	荷重 N(kgf)	Type D-L	1~19本		
10.5	6.0	15	10.46 {1.07}	6.0	7.5	78.5 {8.0}	SWR 10.5-15	15	90	
		20	7.85 {0.80}	8.0	10.0			20	90	
		25	6.28 {0.64}	10.0	12.5			25	95	
		30	5.23 {0.53}	12.0	15.0			30	100	
		35	4.48 {0.46}	14.0	17.5			35	110	
		40	3.92 {0.40}	16.0	20.0			40	120	
		45	3.49 {0.36}	18.0	22.5			45	120	
		50	3.14 {0.32}	20.0	25.0			50	130	
		55	2.85 {0.29}	22.0	27.5			55	140	
		60	2.62 {0.27}	24.0	30.0			60	150	
		65	2.41 {0.25}	26.0	32.5			65	160	
		70	2.24 {0.23}	28.0	35.0			70	170	
75	2.09 {0.21}	30.0	37.5	75	180					
80	1.96 {0.20}	32.0	40.0	80	190					
12.5	7.0	15	11.77 {1.20}	6.0	7.5	88.3 {9.0}	SWR 12.5-15	15	95	
		20	8.83 {0.90}	8.0	10.0			20	95	
		25	7.06 {0.72}	10.0	12.5			25	100	
		30	5.88 {0.60}	12.0	15.0			30	110	
		35	5.04 {0.51}	14.0	17.5			35	120	
		40	4.41 {0.45}	16.0	20.0			40	130	
		45	3.92 {0.40}	18.0	22.5			45	140	
		50	3.53 {0.36}	20.0	25.0			50	150	
		55	3.21 {0.33}	22.0	27.5			55	160	
		60	2.94 {0.30}	24.0	30.0			60	170	
		65	2.72 {0.28}	26.0	32.5			65	180	
		70	2.52 {0.26}	28.0	35.0			70	190	
75	2.35 {0.24}	30.0	37.5	75	195					
80	2.21 {0.23}	32.0	40.0	80	205					
90	1.96 {0.20}	36.0	45.0	90	225					
100	1.77 {0.18}	40.0	50.0	100	245					
14.5	8.5	15	17.00 {1.73}	6.0	7.5	127.5 {13.0}	SWR 14.5-15	15	110	
		20	12.75 {1.30}	8.0	10.0			20	120	
		25	10.20 {1.04}	10.0	12.5			25	130	
		30	8.50 {0.87}	12.0	15.0			30	140	
		35	7.28 {0.74}	14.0	17.5			35	150	
		40	6.37 {0.65}	16.0	20.0			40	160	
		45	5.67 {0.58}	18.0	22.5			45	170	
		50	5.10 {0.52}	20.0	25.0			50	180	
		55	4.64 {0.47}	22.0	27.5			55	185	
		60	4.25 {0.43}	24.0	30.0			60	190	
		65	3.92 {0.40}	26.0	32.5			65	200	
		70	3.64 {0.37}	28.0	35.0			70	210	
75	3.40 {0.35}	30.0	37.5	75	220					
80	3.19 {0.33}	32.0	40.0	80	230					
90	2.83 {0.29}	36.0	45.0	90	250					
100	2.55 {0.26}	40.0	50.0	100	270					
125	2.04 {0.21}	50.0	62.5	125	290					
150	1.70 {0.17}	60.0	75.0	150	310					

D	d	L	ばね定数		密着長		F=L×50%		型式	基準単価
			N/mm(kgf/mm)	ℓmin.	Fmm	荷重 N(kgf)	Type D-L	1~19本		
17	10.5	20	19.61 {2.00}	8.0	10.0	196.1 {20.0}	SWR 17-20	20	130	
		25	15.69 {1.60}	10.0	12.5			25	140	
		30	13.08 {1.33}	12.0	15.0			30	150	
		35	11.21 {1.14}	14.0	17.5			35	160	
		40	9.81 {1.00}	16.0	20.0			40	170	
		45	8.72 {0.89}	18.0	22.5			45	180	
		50	7.85 {0.80}	20.0	25.0			50	185	
		55	7.13 {0.73}	22.0	27.5			55	190	
		60	6.54 {0.67}	24.0	30.0			60	200	
		65	6.03 {0.62}	26.0	32.5			65	210	
		70	5.60 {0.57}	28.0	35.0			70	220	
		75	5.23 {0.53}	30.0	37.5			75	230	
80	4.90 {0.50}	32.0	40.0	80	240					
90	4.36 {0.44}	36.0	45.0	90	260					
100	3.92 {0.40}	40.0	50.0	100	275					
125	3.14 {0.32}	50.0	62.5	125	300					
150	2.62 {0.27}	60.0	75.0	150	330					
175	2.24 {0.23}	70.0	87.5	175	360					
21	13.5	25	23.54 {2.40}	10.0	12.5	294.2 {30.0}	SWR 21-25	25	160	
		30	19.61 {2.00}	12.0	15.0			30	170	
		35	16.81 {1.71}	14.0	17.5			35	180	
		40	14.71 {1.50}	16.0	20.0			40	185	
		45	13.08 {1.33}	18.0	22.5			45	190	
		50	11.77 {1.20}	20.0	25.0			50	200	
		55	10.70 {1.09}	22.0	27.5			55	210	
		60	9.81 {1.00}	24.0	30.0			60	220	
		65	9.05 {0.92}	26.0	32.5			65	230	
		70	8.41 {0.86}	28.0	35.0			70	240	
		75	7.85 {0.80}	30.0	37.5			75	250	
		80	7.35 {0.75}	32.0	40.0			80	260	
90	6.54 {0.67}	36.0	45.0	90	270					
100	5.88 {0.60}	40.0	50.0	100	275					
110	5.35 {0.55}	44.0	55.0	110	285					
120	4.90 {0.50}	48.0	60.0	120	290					
125	4.71 {0.48}	50.0	62.5	125	300					
130	4.53 {0.46}	52.0	65.0	130	310					
140	4.20 {0.43}	56.0	70.0	140	320					
150	3.92 {0.40}	60.0	75.0	150	330					
175	3.36 {0.34}	70.0	87.5	175	355					
200	2.94 {0.30}	80.0	100.0	200	380					
26	16.5	25	31.38 {3.20}	10.0	12.5	392.3 {40.0}	SWR 26-25	25	190	
		30	26.15 {2.67}	12.0	15.0			30	200	
		35	22.42 {2.29}	14.0	17.5			35	210	
		40	19.61 {2.00}	16.0	20.0			40	220	
		45	17.43 {1.78}	18.0	22.5			45	230	
		50	15.69 {1.60}	20.0	25.0			50	240	
		55	14.26 {1.45}	22.0	27.5			55	250	
		60	13.08 {1.33}	24.0	30.0			60	260	
		65	12.07 {1.23}	26.0	32.5			65	270	
		70	11.21 {1.14}	28.0	35.0			70	275	
		75	10.46 {1.07}	30.0	37.5			75	285	
		80	9.81 {1.00}	32.0	40.0			80	290	
90	8.72 {0.89}	36.0	45.0	90	300					
100	7.85 {0.80}	40.0	50.0	100	310					
110	7.13 {0.73}	44.0	55.0	110	320					
120	6.54 {0.67}	48.0	60.0	120	330					
125	6.28 {0.64}	50.0	62.5	125	330					
130	6.03 {0.62}	52.0	65.0	130	340					
140	5.60 {0.57}	56.0	70.0	140	350					
150	5.23 {0.53}	60.0	75.0	150	350					
175	4.48 {0.46}	70.0	87.5	175	400					
200	3.92 {0.40}	80.0	100.0	200	455					
225	3.49 {0.36}	90.0	112.5	225	475					
250	3.14 {0.32}	100.0	125.0	250	500					

D	d	L	ばね定数		密着長		F=L×50%		型式	基準単価
			N/mm(kgf/mm)	ℓmin.	Fmm	荷重 N(kgf)	Type D-L	1~19本		
31	21	35	28.02 {2.86}	14.0	17.5	490.3 {50.0}	SWR 31-35	35	220	
		40	24.52 {2.50}	16.0	20.0			40	230	
		45	21.79 {2.22}	18.0	22.5			45	240	
		50	19.61 {2.00}	20.0	25.0			50	250	
		55	17.83 {1.82}	22.0	27.5			55	260	
		60	16.34 {1.67}	24.0	30.0			60	270	
		65	15.09 {1.54}	26.0	32.5			65	280	
		70	14.01 {1.43}	28.0	35.0			70	285	
		75	13.08 {1.33}	30.0	37.5			75	290	
		80	12.26 {1.25}	32.0	40.0			80	300	
		90	10.90 {1.11}	36.0	45.0			90	320	
		100	9.81 {1.00}	40.0	50.0			100	340	
110	8.92 {0.91}	44.0	55.0	110	350					
120	8.17 {0.83}	48.0	60.0	120	365					
125	7.85 {0.80}	50.0	62.5	125	375					
130	7.54 {0.77}	52.0	65.0	130	380					
140	7.00 {0.71}	56.0	70.0	140	400					
150	6.54 {0.67}	60.0	75.0	150	410					
160	6.13 {0.63}	67.0	80.0	160	430					
170	5.77 {0.59}	68.0	85.0	170	440					
175	5.60 {0.57}	70.0	87.5	175	450					
180	5.45 {0.56}	72.0	90.0	180	455					
190	5.16 {0.53}	76.0	95.0	190	475					
200	4.90 {0.50}	80.0	100.0	200	480					
250	3.92 {0.40}	100.0	125.0	250	555					
300	3.27 {0.33}	120.0	150.0	300	630					
37	26	35	33.62 {3.43}	14.0	17.5	588.4 {60.0}	SWR 37-35	35	280	
		40	29.42 {3.00}	16.0	20.0			40	290	
		45	26.15 {2.67}	18.0	22.5			45	300	
		50	23.54 {2.40}	20.0	25.0			50	310	
		55	21.40 {2.18}	22.0	27.5			55	320	
		60	19.61 {2.00}	24.0	30.0			60	330	
		65	18.10 {1.85}	26.0	32.5			65	340	
		70	16.81 {1.71}	28.0	35.0			70	350	
		75	15.69 {1.60}	30.0	37.5			75	360	
		80	14.71 {1.50}	32.0	40.0			80	365	
		90	13.08 {1.33}	36.0	45.0			90	380	
		100	11.77 {1.20}	40.0	50.0			100	400	
110	10.70 {1.09}	44.0	55.0	110	410					
120	9.81 {1.00}	48.0	60.0	120	420					
125	9.41 {0.96}	50.0	62.5	125	430					
130	9.05 {0.92}	52.0	65.0	130	440					
140	8.41 {0.86}	56.0	70.0	140	450					
150	7.85 {0.80}	60.0	75.0	150	455					
160	7.35 {0.75}	64.0	80.0	160	465					
170	6.92 {0.71}	68.0	85.0	170	475					
175	6.72 {0.69}	70.0	87.5	175	480					
180	6.54 {0.67}	72.0	90.0	180	490					
190	6.19 {0.63}	76.0	95.0	190	500					
200	5.88 {0.60}	80.0	100.0	200	510					
250	4.71 {0.48}	100.0	125.0	250	600					
300	3.92 {0.40}	120.0	150.0	300	690					

D	d	L	ばね定数		密着長		F=L×50%		型式	基準単価
			N/mm(kgf/mm)	ℓmin.	Fmm	荷重 N(kgf)	Type D-L	1~19本		
43	31	50	33.34 {3.40}	20.0	25.0	833.6 {85.0}	SWR 43-50	50	375	
		60	27.79 {2.83}	24.0	30.0			60	380	
		70	23.82 {2.43}	28.0	35.0			70	390	
		80	20.84 {2.13}	32.0	40.0			80	400	
		90	18.52 {1.89}	36.0	45.0			90	410	
		100	16.67 {1.70}	40.0	50.0			100	420	
		110	15.16 {1.55}	44.0	55.0			110	430	
		120	13.89 {1.42}	48.0	60.0			120	445	
		130	12.82 {1.31}	52.0	65.0			130	460	
		140	11.91 {1.21}	56.0	70.0			140		