

COILSPRING

強力ばね TH : 重荷重

●規格仕様

外径 (mm)	内径 (mm)	自由長 (mm)	ばね定数		自由長×19.2% 100万回		自由長×21.6% 50万回		自由長×24.0% 30万回		カタログ No.
			(N/mm)	(kgf/mm)	たわみ (mm)	荷重 N{kgf}	たわみ (mm)	荷重 N{kgf}	たわみ (mm)	荷重 N{kgf}	
8	4	10	86.25	{8.80}	1.9	167 {17.0}	2.2	186 {19.0}	2.4	206 {21.0}	TH 8 × 10
		15	57.50	{5.86}	2.9		3.2		3.6		
		20	43.13	{4.40}	3.8		4.3		4.8		
		25	34.50	{3.52}	4.8		5.4		6.0		
		30	28.75	{2.93}	5.8		6.5		7.2		
		35	24.64	{2.51}	6.7		7.6		8.4		
		40	21.56	{2.20}	7.7		8.6		9.6		
		45	19.17	{1.95}	8.6		9.7		10.8		
		50	17.25	{1.76}	9.6		10.8		12.0		
		55	15.68	{1.60}	10.6		11.9		13.2		
		60	14.38	{1.47}	11.5		13.0		14.4		
		65	13.27	{1.35}	12.5		14.0		15.6		
		70	12.32	{1.26}	13.4		15.1		16.8		
		75	11.50	{1.17}	14.4		16.2		18.0		
		80	10.78	{1.10}	15.4		17.3		19.2		
10	5	20	61.34	{6.26}	3.8	235 {24.0}	4.3	265 {27.0}	4.8	294 {30.0}	TH 10 × 20
		25	49.07	{5.00}	4.8		5.4		6.0		
		30	40.90	{4.17}	5.8		6.5		7.2		
		35	35.05	{3.57}	6.7		7.6		8.4		
		40	30.67	{3.13}	7.7		8.6		9.6		
		45	27.26	{2.78}	8.6		9.7		10.8		
		50	24.54	{2.50}	9.6		10.8		12.0		
		55	22.31	{2.27}	10.6		11.9		13.2		
		60	20.45	{2.09}	11.5		13.0		14.4		
		65	18.87	{1.92}	12.5		14.0		15.6		
		70	17.53	{1.79}	13.4		15.1		16.8		
		75	16.36	{1.67}	14.4		16.2		18.0		
		80	15.34	{1.56}	15.4		17.3		19.2		
		90	13.63	{1.39}	17.3		19.4		21.6		
		12	6	20	86.34		{8.80}		3.8		333 {34.0}
25	69.07			{7.04}	4.8	5.4	6.0				
30	57.56			{5.87}	5.8	6.5	7.2				
35	49.34			{5.03}	6.7	7.6	8.4				
40	43.17			{4.40}	7.7	8.6	9.6				
45	38.37			{3.91}	8.6	9.7	10.8				
50	34.54			{3.52}	9.6	10.8	12.0				
55	31.40			{3.20}	10.6	11.9	13.2				
60	28.78			{2.93}	11.5	13.0	14.4				
65	26.57			{2.71}	12.5	14.0	15.6				
70	24.67			{2.52}	13.4	15.1	16.8				
75	23.02			{2.35}	14.4	16.2	18.0				
80	21.59			{2.20}	15.4	17.3	19.2				
90	19.19			{1.96}	17.3	19.4	21.6				
14	7			25	96.30	{9.82}	4.8	461 {47.0}	5.4	520 {53.0}	
		30	80.25	{8.18}	5.8	6.5	7.2				
		35	68.78	{7.01}	6.7	7.6	8.4				
		40	60.19	{6.14}	7.7	8.6	9.6				
		45	53.50	{5.46}	8.6	9.7	10.8				
		50	48.15	{4.91}	9.6	10.8	12.0				
		55	43.77	{4.46}	10.6	11.9	13.2				
		60	40.12	{4.09}	11.5	13.0	14.4				
		65	37.04	{3.78}	12.5	14.0	15.6				
		70	34.39	{3.51}	13.4	15.1	16.8				
		75	32.10	{3.27}	14.4	16.2	18.0				
		80	30.09	{3.07}	15.4	17.3	19.2				
		90	26.75	{2.73}	17.3	19.4	21.6				
		100	24.07	{2.45}	19.2	21.6	24.0				

①：自由長×24.0%を超えるたわみでは使用しないでください。

②：設置の際には、初期圧を掛けてください。

N (ニュートン) = Kgf (キログラム) × 9.80665
 荷重 (N) = ばね定数 (N/mm) × たわみ (mm)

●規格仕様

外径 (mm)	内径 (mm)	自由長 (mm)	ばね定数		自由長×19.2% 100万回		自由長×21.6% 50万回		自由長×24.0% 30万回		カタログ No.
			(N/mm)	(kgf/mm)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	
16	8	25	125.37	{12.78}	4.8	608 {62.0}	5.4	677 {69.0}	6.0	755 {77.0}	TH 16 × 25
		30	104.48	{10.65}	5.8		6.5		7.2		
		35	89.55	{9.13}	6.7		7.6		8.4		
		40	78.36	{7.99}	7.7		8.6		9.6		
		45	69.65	{7.10}	8.6		9.7		10.8		
		50	62.69	{6.39}	9.6		10.8		12.0		
		55	56.99	{5.81}	10.6		11.9		13.2		
		60	52.24	{5.33}	11.5		13.0		14.4		
		65	48.22	{4.92}	12.5		14.0		15.6		
		70	44.78	{4.57}	13.4		15.1		16.8		
		75	41.79	{4.26}	14.4		16.2		18.0		
		80	39.18	{4.00}	15.4		17.3		19.2		
		90	34.83	{3.55}	17.3		19.4		21.6		
		100	31.34	{3.20}	19.2		21.6		24.0		
		125	25.07	{2.56}	24.0		27.0		30.0		
18	9	25	157.96	{16.11}	4.8	765 {78.0}	5.4	853 {87.0}	6.0	951 {97.0}	TH 18 × 25
		30	131.64	{13.42}	5.8		6.5		7.2		
		35	112.83	{11.51}	6.7		7.6		8.4		
		40	98.73	{10.07}	7.7		8.6		9.6		
		45	87.76	{8.95}	8.6		9.7		10.8		
		50	78.98	{8.05}	9.6		10.8		12.0		
		55	71.80	{7.32}	10.6		11.9		13.2		
		60	65.82	{6.71}	11.5		13.0		14.4		
		65	60.75	{6.20}	12.5		14.0		15.6		
		70	56.42	{5.75}	13.4		15.1		16.8		
		75	52.65	{5.37}	14.4		16.2		18.0		
		80	49.36	{5.03}	15.4		17.3		19.2		
		90	43.88	{4.47}	17.3		19.4		21.6		
		100	39.49	{4.03}	19.2		21.6		24.0		
		125	31.59	{3.22}	24.0		27.0		30.0		
20	10	25	196.11	{20.00}	4.8	941 {96.0}	5.4	1,059 {108.0}	6.0	1,177 {120.0}	TH 20 × 25
		30	163.43	{16.66}	5.8		6.5		7.2		
		35	140.08	{14.28}	6.7		7.6		8.4		
		40	122.57	{12.50}	7.7		8.6		9.6		
		45	108.95	{11.11}	8.6		9.7		10.8		
		50	98.06	{10.00}	9.6		10.8		12.0		
		55	89.14	{9.09}	10.6		11.9		13.2		
		60	81.71	{8.33}	11.5		13.0		14.4		
		65	75.43	{7.69}	12.5		14.0		15.6		
		70	70.04	{7.14}	13.4		15.1		16.8		
		75	65.37	{6.67}	14.4		16.2		18.0		
		80	61.28	{6.25}	15.4		17.3		19.2		
		90	54.48	{5.55}	17.3		19.4		21.6		
		100	49.03	{5.00}	19.2		21.6		24.0		
		125	39.22	{4.00}	24.0		27.0		30.0		
150	32.69	{3.33}	28.8	32.4	36.0						
22	11	25	236.11	{24.08}	4.8	1,138 {116.0}	5.4	1,275 {130.0}	6.0	1,422 {145.0}	TH 22 × 25
		30	196.76	{20.06}	5.8		6.5		7.2		
		35	168.65	{17.20}	6.7		7.6		8.4		
		40	147.57	{15.05}	7.7		8.6		9.6		
		45	131.17	{13.38}	8.6		9.7		10.8		
		50	118.06	{12.04}	9.6		10.8		12.0		
		55	107.32	{10.94}	10.6		11.9		13.2		
		60	98.38	{10.03}	11.5		13.0		14.4		
		65	90.81	{9.26}	12.5		14.0		15.6		
		70	84.33	{8.60}	13.4		15.1		16.8		
		75	78.70	{8.03}	14.4		16.2		18.0		
		80	73.78	{7.52}	15.4		17.3		19.2		
		90	65.59	{6.69}	17.3		19.4		21.6		
		100	59.03	{6.02}	19.2		21.6		24.0		
		125	47.22	{4.82}	24.0		27.0		30.0		
150	39.35	{4.01}	28.8	32.4	36.0						
25	12.5	25	306.85	{31.29}	4.8	1,471 {150.0}	5.4	1,657 {169.0}	6.0	1,834 {187.0}	TH 25 × 25
		30	255.71	{26.08}	5.8		6.5		7.2		
		35	219.18	{22.35}	6.7		7.6		8.4		
		40	191.78	{19.56}	7.7		8.6		9.6		
		45	170.47	{17.38}	8.6		9.7		10.8		
		50	153.43	{15.65}	9.6		10.8		12.0		
		55	139.48	{14.22}	10.6		11.9		13.2		
		60	127.85	{13.04}	11.5		13.0		14.4		
		65	118.02	{12.03}	12.5		14.0		15.6		
		70	109.59	{11.18}	13.4		15.1		16.8		
		75	102.28	{10.43}	14.4		16.2		18.0		
		80	95.89	{9.78}	15.4		17.3		19.2		
		90	85.24	{8.69}	17.3		19.4		21.6		
		100	76.71	{7.82}	19.2		21.6		24.0		
		125	61.37	{6.26}	24.0		27.0		30.0		
150	51.14	{5.22}	28.8	32.4	36.0						
175	43.84	{4.47}	33.6	37.8	42.0						
200	38.36	{3.91}	38.4	43.2	48.0						

①：自由長×24.0%を超えるたわみでは使用しないでください。

②：設置の際には、初期圧を掛けてください。

N (ニュートン) = Kgf (キログラム) × 9.80665
荷重 (N) = ばね定数 (N/mm) × たわみ (mm)

COILSPRING

強力ばね TH : 重荷重

●規格仕様

外径 (mm)	内径 (mm)	自由長 (mm)	ばね定数		自由長×19.2% 100万回		自由長×21.6% 50万回		自由長×24.0% 30万回		カタログ No.					
			(N/mm)	(kgf/mm)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)						
27	13.5	25	357.78	{36.48}	4.8	1,716 {175.0}	5.4	1,932 {197.0}	6.0	2,150 {219.2}	TH 27 × 25					
		30	298.15	{30.40}	5.8		6.5		7.2							
		35	255.56	{26.06}	6.7		7.6		8.4							
		40	223.61	{22.80}	7.7		8.6		9.6							
		45	198.77	{20.27}	8.6		9.7		10.8							
		50	178.89	{18.24}	9.6		10.8		12.0							
		55	162.63	{16.58}	10.6		11.9		13.2							
		60	149.07	{15.20}	11.5		13.0		14.4							
		65	137.61	{14.03}	12.5		14.0		15.6							
		70	127.78	{13.03}	13.4		15.1		16.8							
		75	119.26	{12.16}	14.4		16.2		18.0							
		80	111.81	{11.40}	15.4		17.3		19.2							
		90	99.38	{10.13}	17.3		19.4		21.6							
		100	89.44	{9.12}	19.2		21.6		24.0							
		125	71.56	{7.30}	24.0		27.0		30.0							
		150	59.63	{6.08}	28.8		32.4		36.0							
		175	51.11	{5.21}	33.6		37.8		42.0							
200	44.72	{4.56}	38.4	43.2	48.0											
30	15	25	440.74	{44.94}	4.8	2,120 {216.2}	5.4	2,380 {242.7}	6.0	2,648 {270.0}	TH 30 × 25					
		30	367.28	{37.45}	5.8		6.5		7.2							
		35	314.81	{32.10}	6.7		7.6		8.4							
		40	275.46	{28.09}	7.7		8.6		9.6							
		45	244.86	{24.97}	8.6		9.7		10.8							
		50	220.37	{22.47}	9.6		10.8		12.0							
		55	200.34	{20.43}	10.6		11.9		13.2							
		60	183.64	{18.73}	11.5		13.0		14.4							
		65	169.52	{17.29}	12.5		14.0		15.6							
		70	157.41	{16.05}	13.4		15.1		16.8							
		75	146.91	{14.98}	14.4		16.2		18.0							
		80	137.73	{14.04}	15.4		17.3		19.2							
		90	122.43	{12.48}	17.3		19.4		21.6							
		100	110.19	{11.24}	19.2		21.6		24.0							
		125	88.15	{8.99}	24.0		27.0		30.0							
		150	73.46	{7.49}	28.8		32.4		36.0							
		175	62.96	{6.42}	33.6		37.8		42.0							
200	55.09	{5.62}	38.4	43.2	48.0											
35	17.5	40	375.00	{38.24}	7.7	2,870 {292.7}	8.6	3,240 {330.4}	9.6	3,600 {367.1}	TH 35 × 40					
		45	333.33	{33.99}	8.6		9.7		10.8							
		50	300.00	{30.59}	9.6		10.8		12.0							
		55	272.73	{27.81}	10.6		11.9		13.2							
		60	250.00	{25.49}	11.5		13.0		14.4							
		65	230.77	{23.53}	12.5		14.0		15.6							
		70	214.29	{21.85}	13.4		15.1		16.8							
		75	200.00	{20.39}	14.4		16.2		18.0							
		80	187.50	{19.12}	15.4		17.3		19.2							
		90	166.67	{17.00}	17.3		19.4		21.6							
		100	150.00	{15.30}	19.2		21.6		24.0							
		125	120.00	{12.24}	24.0		27.0		30.0							
		150	100.00	{10.20}	28.8		32.4		36.0							
		175	85.71	{8.74}	33.6		37.8		42.0							
		200	75.00	{7.65}	38.4		43.2		48.0							
		40	20	40	490.74		{50.04}		7.7		3,770 {384.4}	8.6	4,240 {432.4}	9.6	4,710 {480.3}	TH 40 × 40
				45	436.21		{44.48}		8.6			9.7		10.8		
50	392.59			{40.03}	9.6	10.8	12.0									
55	356.90			{36.39}	10.6	11.9	13.2									
60	327.16			{33.36}	11.5	13.0	14.4									
65	301.99			{30.79}	12.5	14.0	15.6									
70	280.42			{28.60}	13.4	15.1	16.8									
75	261.73			{26.69}	14.4	16.2	18.0									
80	245.37			{25.02}	15.4	17.3	19.2									
90	218.11			{22.24}	17.3	19.4	21.6									
100	196.30			{20.02}	19.2	21.6	24.0									
125	157.04			{16.01}	24.0	27.0	30.0									
150	130.86			{13.34}	28.8	32.4	36.0									
175	112.17			{11.44}	33.6	37.8	42.0									
200	98.15			{10.01}	38.4	43.2	48.0									
225	87.24			{8.90}	43.2	48.6	54.0									
250	78.52			{8.01}	48.0	54.0	60.0									
275	71.38	{7.28}	52.8	59.4	66.0											
300	65.43	{6.67}	57.6	64.8	72.0											

①：自由長×24.0%を超えるたわみでは使用しないでください。

②：設置の際には、初期圧を掛けてください。

N (ニュートン) = Kgf (キログラム) × 9.80665

荷重 (N) = ばね定数 (N/mm) × たわみ (mm)


●規格仕様

外径 (mm)	内径 (mm)	自由長 (mm)	ばね定数		自由長×19.2% 100万回		自由長×21.6% 50万回		自由長×24.0% 30万回		カタログ No.
			(N/mm)	(kgf/mm)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	
50	25	50	612.96	{62.50}	9.6	5,880 {599.6}	10.8	6,620 {675.1}	12.0	7,360 {750.5}	TH 50 × 50
		55	557.24	{56.82}	10.6		11.9		13.2		
		60	510.80	{52.09}	11.5		13.0		14.4		
		65	471.51	{48.08}	12.5		14.0		15.6		
		70	437.83	{44.65}	13.4		15.1		16.8		
		75	408.64	{41.67}	14.4		16.2		18.0		
		80	383.10	{39.07}	15.4		17.3		19.2		
		90	340.53	{34.72}	17.3		19.4		21.6		
		100	306.48	{31.25}	19.2		21.6		24.0		
		125	245.19	{25.00}	24.0		27.0		30.0		
		150	204.32	{20.83}	28.8		32.4		36.0		
		175	175.13	{17.86}	33.6		37.8		42.0		
		200	153.24	{15.63}	38.4		43.2		48.0		
		225	136.21	{13.89}	43.2		48.6		54.0		
		250	122.59	{12.50}	48.0		54.0		60.0		
		275	111.45	{11.36}	52.8		59.4		66.0		
		300	102.16	{10.42}	57.6		64.8		72.0		
		60	30	60	736.11		{75.06}		11.5		8,470 {863.7}
70	630.95			{64.34}	13.4	15.1	16.8				
80	552.08			{56.30}	15.4	17.3	19.2				
90	490.74			{50.04}	17.3	19.4	21.6				
100	441.67			{45.04}	19.2	21.6	24.0				
125	353.33			{36.03}	24.0	27.0	30.0				
150	294.44			{30.02}	28.8	32.4	36.0				
175	252.38			{25.74}	33.6	37.8	42.0				
200	220.83			{22.52}	38.4	43.2	48.0				
225	196.30			{20.02}	43.2	48.6	54.0				
250	176.67			{18.01}	48.0	54.0	60.0				
275	160.61			{16.38}	52.8	59.4	66.0				
70	38.5	70	773.81	{78.91}	13.4	10,400 {1060.5}	15.1	11,700 {1193.1}	16.8	13,000 {1325.6}	TH 70 × 70
		80	677.08	{69.04}	15.4		17.3		19.2		
		90	601.85	{61.37}	17.3		19.4		21.6		
		100	541.67	{55.23}	19.2		21.6		24.0		
		125	433.33	{44.19}	24.0		27.0		30.0		
		150	361.11	{36.82}	28.8		32.4		36.0		
		175	309.52	{31.56}	33.6		37.8		42.0		
		200	270.83	{27.62}	38.4		43.2		48.0		
		225	240.74	{24.55}	43.2		48.6		54.0		
		250	216.67	{22.09}	48.0		54.0		60.0		
		275	196.97	{20.09}	52.8		59.4		66.0		
		300	180.56	{18.41}	57.6		64.8		72.0		
350	154.76	{15.78}	67.2	75.6	84.0						

- ①：自由長×24.0%を超えるたわみでは使用しないでください。
- ②：設置の際には、初期圧を掛けてください。

N (ニュートン) = Kgf (キログラム) × 9.80665
 荷重 (N) = ばね定数 (N/mm) × たわみ (mm)

 Order 注文例	形式
	例 TH 8 × 10

 Delivery 納期	2日目着 (在庫)
	(又は2日目発送)