



呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 spring constant (kgf/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TF 8x10	8	4	10	1.56	5.0	8	4.5	7	4.0	6
15			15	1.04	7.5		6.8		6.0	
20			20	0.78	10.0		9.0		8.0	
25			25	0.62	12.5		11.2		10.0	
30			30	0.52	15.0		13.5		12.0	
35			35	0.44	17.5		15.7		14.0	
40			40	0.39	20.0		18.0		16.0	
45			45	0.35	22.5		20.2		18.0	
50			50	0.31	25.0		22.5		20.0	
55			55	0.28	27.5		24.7		22.0	
60			60	0.26	30.0		27.0		24.0	
65			65	0.24	32.5		29.2		26.0	
70			70	0.22	35.0		31.5		28.0	
75			75	0.21	37.5		33.7		30.0	
80			80	0.20	40.0		36.0		32.0	
90			90	0.17	45.0		40.5		36.0	
TF 10x10	10	5	10	2.00	5.0	10	4.5	9	4.0	8
15			15	1.32	7.5		6.8		6.0	
20			20	1.00	10.0		9.0		8.0	
25			25	0.80	12.5		11.2		10.0	
30			30	0.67	15.0		13.5		12.0	
35			35	0.57	17.5		15.7		14.0	
40			40	0.50	20.0		18.0		16.0	
45			45	0.44	22.5		20.2		18.0	
50			50	0.40	25.0		22.5		20.0	
55			55	0.36	27.5		24.7		22.0	
60			60	0.33	30.0		27.0		24.0	
65			65	0.31	32.5		29.2		26.0	
70			70	0.29	35.0		31.5		28.0	
75			75	0.27	37.5		33.7		30.0	
80			80	0.25	40.0		36.0		32.0	
90			90	0.22	45.0		40.5		36.0	
100	100	0.20	50.0	45.0	40.0					
TF 12x20	12	6	20	1.40	10.0	14	9.0	12.5	8.0	11
25			25	1.12	12.5		11.2		10.0	
30			30	0.93	15.0		13.5		12.0	
35			35	0.80	17.5		15.7		14.0	
40			40	0.70	20.0		18.0		16.0	
45			45	0.62	22.5		20.2		18.0	
50			50	0.56	25.0		22.5		20.0	
55			55	0.51	27.5		24.7		22.0	
60			60	0.47	30.0		27.0		24.0	
65			65	0.43	32.5		29.2		26.0	
70			70	0.40	35.0		31.5		28.0	
75			75	0.37	37.5		33.7		30.0	
80			80	0.35	40.0		36.0		32.0	
90			90	0.31	45.0		40.5		36.0	
100			100	0.28	50.0		45.0		40.0	
TF 14x20			14	7	20		1.78		10.0	
25	25	1.44			12.5	11.2	10.0			
30	30	1.20			15.0	13.5	12.0			
35	35	1.03			17.5	15.7	14.0			
40	40	0.90			20.0	18.0	16.0			
45	45	0.80			22.5	20.2	18.0			
50	50	0.72			25.0	22.5	20.0			
55	55	0.65			27.5	24.7	22.0			
60	60	0.60			30.0	27.0	24.0			
65	65	0.55			32.5	29.2	26.0			
70	70	0.51			35.0	31.5	28.0			
75	75	0.48			37.5	33.7	30.0			
80	80	0.45			40.0	36.0	32.0			
90	90	0.40			45.0	40.5	36.0			
100	100	0.36			50.0	45.0	40.0			
125	125	0.29			62.5	56.2	50.0			

*kgf | N | (load)=kgf/1mm(spring constant)x/mm(deflection) Load ± 10% Right angle below 2° Free length below 50m/m ± 0.5m/m Above 55m/m ± 1%

TF

轻少荷重
LIGHTEST LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 springconstant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TF 16 x 20	16	8	20	2.11	10.0	21	9.0	19	8.0	17
25			25	1.68	12.5		11.2		10.0	
30			30	1.40	15.0		13.5		12.0	
35			35	1.20	17.5		15.7		14.0	
40			40	1.05	20.0		18.0		16.0	
45			45	0.94	22.5		20.2		18.0	
50			50	0.84	25.0		22.5		20.0	
55			55	0.77	27.5		24.7		22.0	
60			60	0.70	30.0		27.0		24.0	
65			65	0.65	32.5		29.2		26.0	
70			70	0.60	35.0		31.5		28.0	
75			75	0.56	37.5		33.7		30.0	
80			80	0.53	40.0		36.0		32.0	
90			90	0.47	45.0		40.5		36.0	
100			100	0.42	50.0		45.0		40.0	
125	125	0.34	62.5	56.2	50.0					
TF 18 x 20	18	9	20	2.56	10.0	26	9.0	23	8.0	21
25			25	2.08	12.5		11.2		10.0	
30			30	1.74	15.0		13.5		12.0	
35			35	1.49	17.5		15.7		14.0	
40			40	1.30	20.0		18.0		16.0	
45			45	1.16	22.5		20.2		18.0	
50			50	1.04	25.0		22.5		20.0	
55			55	0.95	27.5		24.7		22.0	
60			60	0.87	30.0		27.0		24.0	
65			65	0.80	32.5		29.2		26.0	
70			70	0.74	35.0		31.5		28.0	
75			75	0.70	37.5		33.7		30.0	
80			80	0.65	40.0		36.0		32.0	
90			90	0.58	45.0		40.5		36.0	
100			100	0.52	50.0		45.0		40.0	
125	125	0.42	62.5	56.2	50.0					
TF 20 x 20	20	11	20	3.22	10.0	32	9.0	29	8.0	26
25			25	2.56	12.5		11.2		10.0	
30			30	2.13	15.0		13.5		12.0	
35			35	1.83	17.5		15.7		14.0	
40			40	1.60	20.0		18.0		16.0	
45			45	1.42	22.5		20.2		18.0	
50			50	1.28	25.0		22.5		20.0	
55			55	1.16	27.5		24.7		22.0	
60			60	1.07	30.0		27.0		24.0	
65			65	0.98	32.5		29.2		26.0	
70			70	0.91	35.0		31.5		28.0	
75			75	0.85	37.5		33.7		30.0	
80			80	0.80	40.0		36.0		32.0	
90			90	0.71	45.0		40.5		36.0	
100			100	0.64	50.0		45.0		40.0	
125	125	0.51	62.5	56.2	50.0					
150	150	0.43	75.0	67.5	60.0					
175	175	0.37	87.5	78.7	70.0					
TF 22 x 25	22	11	25	3.20	12.5	40	11.2	36	10.0	32
30			30	2.67	15.0		13.5		12.0	
35			35	2.29	17.5		15.7		14.0	
40			40	2.00	20.0		18.0		16.0	
45			45	1.78	22.5		20.2		18.0	
50			50	1.60	25.0		22.5		20.0	
55			55	1.46	27.5		24.7		22.0	
60			60	1.33	30.0		27.0		24.0	
65			65	1.23	32.5		29.2		26.0	
70			70	1.14	35.0		31.5		28.0	
75			75	1.07	37.5		33.7		30.0	
80			80	1.00	40.0		36.0		32.0	
90			90	0.89	45.0		40.5		36.0	
100			100	0.80	50.0		45.0		40.0	
125			125	0.64	62.5		56.2		50.0	
150	150	0.53	75.0	67.5	60.0					
175	175	0.46	87.5	78.7	70.0					

※kgf | N | (load)=kgf/mm(springconstant)×mm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TF

轻少荷重
LIGHTEST LOAD

呼称 Model	外径 Outer Dia	内径 Inner Dia	自由长 Free length (mm)	定数 springconstant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TF 25 x 25	25	13.5	25	4.00	12.5	50	11.2	45	10.0	40
30			30	3.33	15.0		13.5		12.0	
35			35	2.85	17.5		15.7		14.0	
40			40	2.50	20.0		18.0		16.0	
45			45	2.22	22.5		20.2		18.0	
50			50	2.00	25.0		22.5		20.0	
55			55	1.82	27.5		24.7		22.0	
60			60	1.67	30.0		27.0		24.0	
65			65	1.54	32.0		29.2		26.0	
70			70	1.43	35.0		31.5		28.0	
75			75	1.33	37.5		33.7		30.0	
80			80	1.25	40.0		36.0		32.0	
90			90	1.11	45.0		40.5		36.0	
100			100	1.00	50.0		45.0		40.0	
125			125	0.80	62.5		56.2		50.0	
150			150	0.67	75.0		67.5		60.0	
175	175	0.57	87.5	78.7	70.0					
200	200	0.50	100.0	90.0	80.0					
TF 27 x 25	27	13.5	25	4.80	12.5	60	11.2	54	10.0	48
30			30	4.00	15.0		13.5		12.0	
35			35	3.43	17.5		15.7		14.0	
40			40	3.00	20.0		18.0		16.0	
45			45	2.67	22.5		20.2		18.0	
50			50	2.40	25.0		22.5		20.0	
55			55	2.18	27.5		24.7		22.0	
60			60	2.00	30.0		27.0		24.0	
65			65	1.85	32.5		29.2		26.0	
70			70	1.71	35.0		31.5		28.0	
75			75	1.60	37.5		33.7		30.0	
80			80	1.50	40.0		36.0		32.0	
90			90	1.33	45.0		40.5		36.0	
100			100	1.20	50.0		45.0		40.0	
125			125	0.96	62.5		56.2		50.0	
150			150	0.80	75.0		67.5		60.0	
175	175	0.69	87.5	78.7	70.0					
200	200	0.60	100.0	90.0	80.0					
TF 30 x 25	30	16	25	5.80	12.5	72	11.2	65	10.0	58
30			30	4.83	15.0		13.5		12.0	
35			35	4.13	17.5		15.7		14.0	
40			40	3.60	20.0		18.0		16.0	
45			45	3.21	22.5		20.2		18.0	
50			50	2.88	25.0		22.5		20.0	
55			55	2.63	27.5		24.7		22.0	
60			60	2.40	30.0		27.0		24.0	
65			65	2.22	32.5		29.2		26.0	
70			70	2.05	35.0		31.5		28.0	
75			75	1.93	37.5		33.7		30.0	
80			80	1.80	40.0		36.0		32.0	
90			90	1.60	45.0		40.5		36.0	
100			100	1.44	50.0		45.0		40.0	
125			125	1.15	62.5		56.2		50.0	
150			150	0.96	75.0		67.5		60.0	
175	175	0.82	87.5	78.7	70.0					
200	200	0.72	100.0	90.0	80.0					
TF 35 x 35	35	19	35	5.60	17.5	98	15.7	88	14.0	78
40			40	4.90	20.0		18.0		16.0	
45			45	4.36	22.5		20.2		18.0	
50			50	3.92	25.0		22.5		20.0	
55			55	3.56	27.5		24.7		22.0	
60			60	3.26	30.0		27.0		24.0	
65			65	3.02	32.5		29.0		26.0	
70			70	2.80	35.0		31.5		28.0	
75			75	2.61	37.5		33.7		30.0	
80			80	2.45	40.0		36.0		32.0	
90			90	2.17	45.0		40.5		36.0	
100			100	1.96	50.0		45.0		40.0	
125			125	1.57	62.5		56.2		50.0	
150			150	1.30	75.0		67.5		60.0	
175			175	1.12	87.5		78.7		70.0	
200			200	0.98	100.0		90.0		80.0	

*kgf | N | (load)=kgf/1mm(springconstant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TF

轻少荷重
LIGHTEST LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 spring constant (kgf/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TF 40 x 40	40	22	40	6.38	20.0	128	18.0	115	16.0	102
45			45	5.67	22.5		20.2		18.0	
50			50	5.12	25.0		22.5		20.0	
55			55	4.64	27.5		24.7		22.0	
60			60	4.26	30.0		27.0		24.0	
65			65	3.93	32.5		29.2		26.0	
70			70	3.65	35.0		31.5		28.0	
75			75	3.40	37.5		33.7		30.0	
80			80	3.20	40.0		36.0		32.0	
90			90	2.84	45.0		40.5		36.0	
100			100	2.56	50.0		45.0		40.0	
125			125	2.04	62.5		56.2		50.0	
150			150	1.70	75.0		67.5		60.0	
175			175	1.46	87.5		78.7		70.0	
200			200	1.28	100.0		90.0		80.0	
225			225	1.13	112.5		101.2		90.0	
250			250	1.02	125.0		112.5		100.0	
275	275	0.93	137.5	123.7	110.0					
300	300	0.85	150.0	135.0	120.0					
TF 50 x 50	50	27.5	50	8.00	25.0	200	22.5	180	20.0	160
55			55	7.27	27.5		24.7		22.0	
60			60	6.66	30.0		27.0		24.0	
65			65	6.15	32.5		29.2		26.0	
70			70	5.71	35.0		31.5		28.0	
75			75	5.33	37.5		33.7		30.0	
80			80	5.00	40.0		36.0		32.0	
90			90	4.44	45.0		40.5		35.0	
100			100	4.00	50.0		45.0		40.0	
125			125	3.20	62.5		56.2		50.0	
150			150	2.66	75.0		67.5		60.0	
175			175	2.28	87.5		78.7		70.0	
200			200	2.00	100.0		90.0		80.0	
225			225	1.78	112.5		101.2		90.0	
250			250	1.60	125.0		112.5		100.0	
275			275	1.45	137.5		123.7		110.0	
300			300	1.33	150.0		135.0		120.0	
350	350	1.14	175.0	157.5	140.0					
400	400	1.00	200.0	180.0	160.0					
450	450	0.89	225.0	202.5	180.0					
500	500	0.80	250.0	225.0	200.0					
TF 60 x 60	60	33	60	9.59	30.0	268	27.0	259	24.0	230
70			70	8.22	35.0		31.5		28.0	
80			80	7.19	40.0		36.0		32.0	
90			90	6.40	45.0		40.5		36.0	
100			100	5.76	50.0		45.0		40.0	
125			125	4.60	62.5		56.2		50.0	
150			150	3.84	75.0		67.5		60.0	
175			175	3.29	87.5		78.7		70.0	
200			200	2.88	100.0		90.0		80.0	
225			225	2.56	112.5		101.3		90.0	
250			250	2.30	125.0		112.5		100.0	
275			275	2.09	137.5		123.8		110.0	
300			300	1.92	150.0		135.0		120.0	
350			350	1.65	175.0		157.5		140.0	
400			400	1.44	200.0		180.0		160.0	
450			450	1.28	225.0		202.5		180.0	
500			500	1.15	250.0		225.0		200.0	
TF 70 x 70	70	38.5	70	11.43	35.0	400	31.5	360	28.0	320
80			80	10.00	40.0		36.0		32.0	
90			90	8.89	45.0		40.5		36.0	
100			100	8.00	50.0		45.0		40.0	
125			125	6.40	62.5		56.2		50.0	
150			150	5.33	75.0		67.5		60.0	
175			175	4.57	87.5		78.7		70.0	
200			200	4.00	100.0		90.0		80.0	
225			225	3.56	112.5		101.3		90.0	
250			250	3.20	125.0		112.5		100.0	
275			275	2.91	137.5		123.8		110.0	
300	300	2.67	150.0	135.0	120.0					
350	350	2.29	175.0	157.5	140.0					

*kgf | N | (load)=kgf/mm(spring constant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TL

轻荷重

LIGHTEST LOAD



呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Spring constant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TL 8×10	8	4	10	2.50	4.0	10	3.6	9	3.2	8
15			15	1.67	6.0		5.4		4.8	
20			20	1.25	8.0		7.2		6.4	
25			25	1.00	10.0		9.0		8.0	
30			30	0.83	12.0		10.8		9.6	
35			35	0.71	14.0		12.6		11.2	
40			40	0.63	16.0		14.4		12.8	
45			45	0.56	18.0		16.2		14.4	
50			50	0.50	20.0		18.0		16.0	
55			55	0.46	22.0		19.8		17.6	
60			60	0.42	24.0		21.6		19.2	
65			65	0.38	26.0		23.4		20.8	
70			70	0.36	28.0		25.2		22.4	
75			75	0.33	30.0		27.0		24.0	
80			80	0.31	32.0		28.8		25.6	
90			90	0.28	36.0		32.4		28.8	
TL 10×10	10	5	10	3.61	4.0	14.5	3.6	13	3.2	11.5
15			15	2.41	6.0		5.4		4.8	
20			20	1.81	8.0		7.2		6.4	
25			25	1.45	10.0		9.0		8.0	
30			30	1.21	12.0		10.8		9.6	
35			35	1.03	14.0		12.6		11.2	
40			40	0.90	16.0		14.4		12.8	
45			45	0.80	18.0		16.2		14.4	
50			50	0.73	20.0		18.0		16.0	
55			55	0.66	22.0		19.8		17.6	
60			60	0.60	24.0		21.6		19.2	
65			65	0.55	26.0		23.4		20.8	
70			70	0.51	28.0		25.2		22.4	
75			75	0.48	30.0		27.0		24.0	
80			80	0.45	32.0		28.8		25.6	
90			90	0.40	36.0		32.4		28.8	
100	100	0.36	40.0	36.0	32.0					
TL 12×20	12	6	20	2.63	8.0	21	7.2	19	6.4	17
25			25	2.10	10.0		9.0		8.0	
30			30	1.75	12.0		10.8		9.6	
35			35	1.50	14.0		12.6		11.2	
40			40	1.32	16.0		14.4		12.8	
45			45	1.17	18.0		16.2		14.4	
50			50	1.05	20.0		18.0		16.0	
55			55	0.96	22.0		19.8		17.6	
60			60	0.88	24.0		21.6		19.2	
65			65	0.81	26.0		23.4		20.8	
70			70	0.75	28.0		25.2		22.4	
75			75	0.70	30.0		27.0		24.0	
80			80	0.66	32.0		28.8		25.6	
90			90	0.58	36.0		32.4		28.8	
100			100	0.53	40.0		36.0		32.0	
TL 14×20			14	7	20		3.47		8.0	
25	25	2.80			10.0	9.0	8.0			
30	30	2.34			12.0	10.8	9.6			
35	35	2.00			14.0	12.6	11.2			
40	40	1.75			16.0	14.4	12.8			
45	45	1.56			18.0	16.2	14.4			
50	50	1.40			20.0	18.0	16.0			
55	55	1.27			22.0	19.8	17.6			
60	60	1.17			24.0	21.6	19.2			
65	65	1.08			26.0	23.4	20.8			
70	70	1.00			28.0	25.2	22.4			
75	75	0.93			30.0	27.0	24.0			
80	80	0.87			32.0	28.8	25.6			
90	90	0.77			36.0	32.4	28.8			
100	100	0.70			40.0	36.0	32.0			
125	125	0.56			50.0	45.0	40.0			

#kgf | N | (load)=kgf/1mm(springconstant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TL

轻荷重
LIGHTEST LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Springconstant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TL16 x 20	16	8	20	4.44	8.0	7.2	6.4			
25			25	3.50	10.0	9.0	8.0			
30			30	2.92	12.0	10.8	9.6			
35			35	2.50	14.0	12.6	11.2			
40			40	2.19	16.0	14.4	12.8			
45			45	1.95	18.0	16.2	14.4			
50			50	1.75	20.0	18.0	16.0			
55			55	1.60	22.0	19.8	17.6			
60			60	1.46	24.0	21.6	19.2			
65			65	1.35	26.0	23.4	20.8			
70			70	1.25	28.0	25.2	22.4			
75			75	1.17	30.0	27.0	24.0			
80			80	1.10	32.0	28.8	25.6			
90			90	0.98	36.0	32.4	28.8			
100			100	0.88	40.0	36.0	32.0			
125	125	0.70	50.0	45.0	40.0					
TL18 x 20	18	9	20	5.42	8.0	7.2	6.4			
25			25	4.30	10.0	9.0	8.0			
30			30	3.58	12.0	10.8	9.6			
35			35	3.07	14.0	12.6	11.2			
40			40	2.69	16.0	14.4	12.8			
45			45	2.39	18.0	16.2	14.4			
50			50	2.15	20.0	18.0	16.0			
55			55	1.96	22.0	19.8	17.6			
60			60	1.79	24.0	21.6	19.2			
65			65	1.66	26.0	23.4	20.8			
70			70	1.54	28.0	25.2	22.4			
75			75	1.44	30.0	27.0	24.0			
80			80	1.35	32.0	28.8	25.6			
90			90	1.20	36.0	32.4	28.8			
100			100	1.07	40.0	36.0	32.0			
125	125	0.86	50.0	45.0	40.0					
TL20 x 20	20	10	20	6.81	8.0	7.2	6.4			
25			25	5.40	10.0	9.0	8.0			
30			30	4.50	12.0	10.8	9.6			
35			35	3.86	14.0	12.6	11.2			
40			40	3.38	16.0	14.4	12.8			
45			45	3.00	18.0	16.2	14.4			
50			50	2.70	20.0	18.0	16.0			
55			55	2.45	22.0	19.8	17.6			
60			60	2.25	24.0	21.6	19.2			
65			65	2.08	26.0	23.4	20.8			
70			70	1.93	28.0	25.2	22.4			
75			75	1.80	30.0	27.0	24.0			
80			80	1.69	32.0	28.8	25.6			
90			90	1.50	36.0	32.4	28.8			
100			100	1.35	40.0	36.0	32.0			
125	125	1.08	50.0	45.0	40.0					
150	150	0.90	60.0	54.0	48.0					
175	175	0.77	70.0	63.0	56.0					
TL22 x 25	22	11	25	6.70	10.0	9.0	8.0			
30			30	5.60	12.0	10.8	9.6			
35			35	4.80	14.0	12.6	11.2			
40			40	4.20	16.0	14.4	12.8			
45			45	3.72	18.0	16.2	14.4			
50			50	3.35	20.0	18.0	16.0			
55			55	3.05	22.0	19.8	17.6			
60			60	2.80	24.0	21.6	19.2			
65			65	2.58	26.0	23.4	20.8			
70			70	2.40	28.0	25.2	22.4			
75			75	2.23	30.0	27.0	24.0			
80			80	2.10	32.0	28.8	25.6			
90			90	1.86	36.0	32.4	28.8			
100			100	1.68	40.0	36.0	32.0			
125			125	1.34	50.0	45.0	40.0			
150	150	1.12	60.0	54.0	48.0					
175	175	0.96	70.0	63.0	56.0					

※kgf | N | (load)=kgf/1mm(springconstant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TL

轻荷重
LIGHTEST LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Spring constant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TL25 x 25	25	12.5	25	8.40	10.0	84	9.0	76	8.0	67
30			30	7.00	12.0	10.8	10.8	9.6		
35			35	6.00	14.0	12.6	11.2			
40			40	5.25	16.0	14.4	12.8			
45			45	4.67	18.0	16.2	14.4			
50			50	4.20	20.0	18.0	16.0			
55			55	3.82	22.0	19.8	17.6			
60			60	3.50	24.0	21.6	19.2			
65			65	3.23	26.0	23.4	20.8			
70			70	3.00	28.0	25.2	22.4			
75			75	2.80	30.0	27.0	24.0			
80			80	2.63	32.0	28.8	25.6			
90			90	2.33	36.0	32.4	28.8			
100			100	2.10	40.0	36.0	32.0			
125			125	1.68	50.0	45.0	40.0			
150			150	1.40	60.0	54.0	48.0			
175			175	1.20	70.0	63.0	56.0			
200	200	1.05	80.0	72.0	64.0					
TL27 x 25	27	13.5	25	10.00	10.0	100	9.0	90	8.0	80
30			30	8.33	12.0	10.8	9.6			
35			35	7.14	14.0	12.6	11.2			
40			40	6.25	16.0	14.4	12.8			
45			45	5.56	18.0	16.2	14.4			
50			50	5.00	20.0	18.0	16.0			
55			55	4.55	22.0	19.8	17.6			
60			60	4.17	24.0	21.6	19.2			
65			65	3.85	26.0	23.4	20.8			
70			70	3.57	28.0	25.2	22.4			
75			75	3.33	30.0	27.0	24.0			
80			80	3.13	32.0	28.8	25.6			
90			90	2.78	36.0	32.4	28.8			
100			100	2.50	40.0	36.0	32.0			
125			125	2.00	50.0	45.0	40.0			
150			150	1.67	60.0	54.0	48.0			
175			175	1.43	70.0	63.0	56.0			
200	200	1.25	80.0	72.0	64.0					
TL30 x 25	30	15	25	12.11	10.0	121	9.0	109	8.0	80
30			30	10.08	12.0	10.8	9.6			
35			35	8.65	14.0	12.6	11.2			
40			40	7.56	16.0	14.4	12.8			
45			45	6.73	18.0	16.2	14.4			
50			50	6.05	20.0	18.0	16.0			
55			55	5.50	22.0	19.8	17.6			
60			60	5.04	24.0	21.6	19.2			
65			65	4.65	26.0	23.4	20.8			
70			70	4.32	28.0	25.2	22.4			
75			75	4.03	30.0	27.0	24.0			
80			80	3.78	32.0	28.8	25.6			
90			90	3.36	36.0	32.4	28.8			
100			100	3.02	40.0	36.0	32.0			
125			125	2.42	50.0	45.0	40.0			
150			150	2.01	60.0	54.0	48.0			
175			175	1.72	70.0	63.0	56.0			
200	200	1.51	80.0	72.0	64.0					
TL35 x 35	35	17.5	35	11.78	14.0	165	12.6	149	11.2	132
40			40	10.31	16.0	14.4	12.8			
45			45	9.17	18.0	16.2	14.4			
50			50	8.25	20.0	18.0	16.0			
55			55	7.50	22.0	19.8	17.6			
60			60	6.87	24.0	21.6	19.2			
65			65	6.35	26.0	23.4	20.8			
70			70	5.89	28.0	25.2	22.4			
75			75	5.50	30.0	27.0	24.0			
80			80	5.15	32.0	28.8	25.6			
90			90	4.58	36.0	32.4	28.8			
100			100	4.12	40.0	36.0	32.0			
125			125	3.30	50.0	45.0	40.0			
150			150	2.75	60.0	54.0	48.0			
175			175	2.35	70.0	63.0	56.0			
200			200	2.06	80.0	72.0	64.0			

※kgf | N | (load)=kgf/(mm(spring constant)xmm(deflection)) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TL

轻荷重

LIGHTEST LOAD

规格 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Spring constant (kgf/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)			
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf		
TL 40 x 40	40	20	40	13.50	16.0	14.4	194	12.8	173			
45			45	12.00	18.0	16.2	14.4					
50			50	10.80	20.0	18.0	16.0					
55			55	9.32	22.0	19.8	17.6					
60			60	9.00	24.0	21.6	19.2					
65			65	8.31	26.0	23.4	20.8					
70			70	7.71	28.0	25.2	22.4					
75			75	7.20	30.0	27.0	24.0					
80			80	6.75	32.0	28.8	25.6					
90			90	6.00	36.0	32.4	28.6					
100			100	5.40	40.0	36.0	32.0					
125			125	4.32	50.0	45.0	40.0					
150			150	3.60	60.0	54.0	48.0					
175			175	3.08	70.0	63.0	56.0					
200			200	2.70	80.0	72.0	64.0					
225			225	2.40	90.0	81.0	72.0					
250			250	2.16	100.0	90.0	80.0					
275			275	1.96	110.0	99.0	88.0					
300			300	1.80	120.0	108.0	96.0					
TL 50 x 50			50	25	50	16.89	20.0	18.0		304	16.0	270
55	55	15.35			22.0	19.8	17.6					
60	60	14.08			24.0	21.6	19.2					
65	65	12.99			26.0	23.4	20.8					
70	70	12.07			28.0	25.2	22.4					
75	75	11.26			30.0	27.0	24.0					
80	80	10.56			32.0	28.8	25.6					
90	90	9.38			36.0	32.4	28.8					
100	100	8.45			40.0	36.0	32.0					
125	125	6.76			50.0	45.0	40.0					
150	150	5.63			60.0	54.0	48.0					
175	175	4.82			70.0	63.0	56.0					
200	200	4.22			80.0	72.0	64.0					
225	225	3.75			90.0	81.0	72.0					
250	250	3.38			100.0	90.0	80.0					
275	275	3.07			110.0	99.0	88.0					
300	300	2.81			120.0	108.0	96.0					
350	350	2.41			140.0	126.0	112.0					
400	400	2.11			160.0	144.0	128.0					
450	450	1.88			180.0	162.0	144.0					
500	500	1.69	200.0	180.0	160.0							
TL 60 x 60	60	30	60	20.25	24.0	21.6	437	19.2	389			
70			70	17.35	28.0	25.2	22.4					
80			80	15.18	32.0	28.8	25.6					
90			90	13.50	36.0	32.4	28.8					
100			100	12.15	40.0	36.0	32.0					
125			125	9.72	50.0	45.0	40.0					
150			150	8.10	60.0	54.0	48.0					
175			175	6.94	70.0	63.0	56.0					
200			200	6.07	80.0	72.0	64.0					
225			225	5.40	90.0	81.0	72.0					
250			250	4.86	100.0	90.0	80.0					
275			275	4.42	110.0	99.0	88.0					
300			300	4.05	120.0	108.0	96.0					
350			350	3.47	140.0	126.0	112.0					
400			400	3.04	160.0	144.0	128.0					
450			450	2.70	180.0	162.0	144.0					
500			500	2.43	200.0	180.0	160.0					
TL 70 x 70			70	38.5	70	21.79	28.0	25.2		549	22.4	488
80					80	19.06	32.0	28.8		25.6		
90					90	16.94	36.0	32.4		28.8		
100	100	15.25			40.0	36.0	32.0					
125	125	12.20			50.0	45.0	40.0					
150	150	10.17			60.0	54.0	48.0					
175	175	8.71			70.0	63.0	56.0					
200	200	7.62			80.0	72.0	64.0					
225	225	6.78			90.0	81.0	72.0					
250	250	6.10			100.0	90.0	80.0					
275	275	5.55			110.0	99.0	88.0					
300	300	5.08			120.0	108.0	96.0					
350	350	4.36			140.0	126.0	112.0					

*kgf | N | (load)=kgf/1mm(spring constant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50m/m ± 0.5m/m Above 55m/m ± 1%

TM

中荷重
MEDIUM LOAD



呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Spring constant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)						
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf					
TM 8 × 10	8	4	10	4.34	3.2	14	2.9	12.5	2.6	11					
15			15	2.89	4.8		4.3		3.8						
20			20	2.17	6.4		5.8		5.1						
25			25	1.74	8.0		7.2		6.4						
30			30	1.45	9.6		8.6		7.7						
35			35	1.24	11.2		10.1		9.0						
40			40	1.09	12.8		11.5		10.2						
45			45	0.79	14.4		13.0		11.5						
50			50	0.87	16.0		14.4		12.8						
55			55	0.79	17.6		15.8		14.1						
60			60	0.72	19.2		17.3		15.4						
65			65	0.67	20.8		18.7		16.6						
70			70	0.62	22.4		20.2		17.9						
75			75	0.58	24.0		21.6		19.2						
80			80	0.54	25.6		23.0		20.5						
90			90	0.48	28.8		25.9		23.0						
TM 10 × 10			10	5	10		6.21		3.2		20	2.9	18	2.6	16
15					15		4.09		4.8			4.4		3.8	
20	20	3.13			6.4	5.8	5.1								
25	25	2.50			8.0	7.2	6.4								
30	30	2.08			9.6	8.6	7.7								
35	35	1.78			11.2	10.1	9.0								
40	40	1.56			12.8	11.5	10.2								
45	45	1.38			14.4	13.0	11.5								
50	50	1.25			16.0	14.4	12.8								
55	55	1.13			17.6	15.8	14.1								
60	60	1.04			19.2	17.3	15.4								
65	65	0.96			20.8	18.7	16.6								
70	70	0.89			22.4	20.2	17.9								
75	75	0.83			24.0	21.6	19.2								
80	80	0.78			25.6	23.0	20.5								
90	90	0.70			28.8	25.9	23.0								
100	100	0.63			32.0	28.8	25.6								
TM 12 × 20	12	6			20	4.53	6.4	29	5.8	26		5.1		23	
25			25	3.62	8.0	7.2	6.4								
30			30	3.02	9.6	8.6	7.7								
35			35	2.58	11.2	10.1	9.0								
40			40	2.27	12.8	11.5	10.2								
45			45	2.01	14.4	13.0	11.5								
50			50	1.81	16.0	14.4	12.8								
55			55	1.64	17.6	15.8	14.1								
60			60	1.51	19.2	17.3	15.4								
65			65	1.39	20.8	18.7	16.6								
70			70	1.29	22.4	20.2	17.9								
75			75	1.20	24.0	21.6	19.2								
80			80	1.13	25.6	23.0	20.5								
90			90	1.01	28.8	25.9	23.0								
100			100	0.91	32.0	28.8	25.6								
TM 14 × 20			14	7	20	6.03	6.4		39		5.8	35	5.1		31
25					25	4.87	8.0				7.2		6.4		
30					30	4.06	9.6				8.6		7.7		
35	35	3.48			11.2	10.1	9.0								
40	40	3.04			12.8	11.5	10.2								
45	45	2.70			14.4	13.0	11.5								
50	50	2.43			16.0	14.4	12.8								
55	55	2.21			17.6	15.8	14.1								
60	60	2.03			19.2	17.3	15.4								
65	65	1.87			20.8	18.7	16.6								
70	70	1.74			22.4	20.2	17.9								
75	75	1.62			24.0	21.6	19.2								
80	80	1.52			25.6	23.0	20.5								
90	90	1.35			28.8	25.9	23.0								
100	100	1.22			32.0	28.8	25.6								
125	125	0.97			40.0	36.0	32.0								

*kgf (N) (load)=kgf/1mm(springconstant)×mm(deflection) Load ± 10% Right angle below 2° Free length below 50mm/m ± 0.5mm/m Above 55mm/m ± 1%

TM

中荷重
MEDIUM LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Springconstant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TM 16 x 20	16	8	20	7.93	6.4	51	5.8	46	5.1	41
25			25	6.39	8.0		7.2		6.4	
30			30	5.32	9.6		8.6		7.7	
35			35	4.55	11.2		10.1		9.0	
40			40	3.98	12.8		11.5		10.2	
45			45	3.54	14.4		13.0		11.5	
50			50	3.18	16.0		14.4		12.8	
55			55	2.89	17.6		15.8		14.1	
60			60	2.65	19.2		17.3		15.4	
65			65	2.45	20.8		18.7		16.6	
70			70	2.27	22.4		20.2		17.9	
75			75	2.11	24.0		21.6		19.2	
80			80	1.99	25.6		23.0		20.5	
90			90	1.77	28.8		25.9		23.0	
100	100	1.59	32.0	28.8	25.6					
125	125	1.28	40.0	36.0	32.0					
TM 18 x 20	18	9	20	10.00	6.4	65	5.8	58	5.1	52
25			25	8.12	8.0		7.2		6.4	
30			30	6.77	9.6		8.6		7.7	
35			35	5.80	11.2		10.1		9.0	
40			40	5.07	12.8		11.5		10.2	
45			45	4.51	14.4		13.0		11.5	
50			50	4.06	16.0		14.4		12.8	
55			55	3.69	17.6		15.8		14.1	
60			60	3.38	19.2		17.3		15.4	
65			65	3.12	20.8		18.7		16.6	
70			70	2.90	22.4		20.2		17.9	
75			75	2.70	24.0		21.6		19.2	
80			80	2.53	25.6		23.0		20.5	
90			90	2.25	28.8		25.9		23.0	
100	100	2.02	32.0	28.8	25.6					
125	125	1.62	40.0	36.0	32.0					
TM 20 x 20	20	10	20	12.41	6.4	80	5.8	72	5.1	84
25			25	10.00	8.0		7.2		6.4	
30			30	8.33	9.6		8.6		7.7	
35			35	7.14	11.2		10.1		9.0	
40			40	6.25	12.8		11.5		10.2	
45			45	5.55	14.4		13.0		11.5	
50			50	5.00	16.0		14.4		12.8	
55			55	4.54	17.6		15.8		14.1	
60			60	4.16	19.2		17.3		15.4	
65			65	3.84	20.8		18.7		16.6	
70			70	3.57	22.4		20.2		17.9	
75			75	3.33	24.0		21.6		19.2	
80			80	3.12	25.6		23.0		20.5	
90			90	2.77	28.8		25.9		23.0	
100	100	2.50	32.0	28.8	25.6					
125	125	2.00	40.0	36.0	32.0					
150	150	1.67	48.0	43.2	38.4					
175	175	1.43	56.0	50.4	44.8					
TM 22 x 25	22	11	25	12.13	8.0	97	7.2	87	6.4	78
30			30	10.10	9.6		8.6		7.7	
35			35	8.65	11.2		10.1		9.0	
40			40	7.57	12.8		11.5		10.2	
45			45	6.74	14.4		13.0		11.5	
50			50	6.06	16.0		14.4		12.8	
55			55	5.50	17.6		15.8		14.1	
60			60	5.05	19.2		17.3		15.4	
65			65	4.66	20.8		18.7		16.6	
70			70	4.33	22.4		20.2		17.9	
75			75	4.04	24.0		21.6		19.2	
80			80	3.78	25.6		23.0		20.5	
90			90	3.36	28.8		25.9		23.0	
100			100	3.03	32.0		28.8		25.6	
125	125	2.42	40.0	36.0	32.0					
150	150	2.01	48.0	43.2	38.4					
175	175	1.73	56.0	50.4	44.8					

*kgf [N] (load)=kgf/1mm(springconstant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 50mm ± 1%

Spring Die Mould Part Industry Co.,Ltd www.spring-diemouldpart.com export@spring-diemouldpart.com

TM

中荷重
MEDIUM LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Spring constant (kg/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TM 25 x 25	25	12.5	25	15.63	8.0		7.2		6.4	
30			30	13.02	9.6		8.6		7.7	
35			35	11.20	11.2		10.1		9.0	
40			40	9.76	12.8		11.5		10.2	
45			45	8.68	14.4		13.0		11.5	
50			50	7.81	16.0		14.4		12.8	
55			55	7.10	17.6		15.8		14.1	
60			60	6.51	19.2		17.3	112	15.4	100
65			65	6.00	20.8		18.7		16.6	
70			70	5.58	22.4		20.2		17.9	
75			75	5.21	24.0		21.6		19.2	
80			80	4.88	25.6		23.0		20.5	
90			90	4.34	28.8		25.9		23.0	
100			100	3.90	32.0		28.8		25.6	
125			125	3.12	40.0		36.0		32.0	
150			150	2.60	48.0		43.2		38.4	
175			175	2.23	56.0		50.4		44.8	
200	200	1.95	64.0		57.6		51.2			
TM 27 x 25	27	13.5	25	18.25	8.0		7.2		6.4	
30			30	15.20	9.6		8.6		7.7	
35			35	13.04	11.2		10.1		9.0	
40			40	11.40	12.8		11.5		10.2	
45			45	10.14	14.4		13.0		11.5	
50			50	9.12	16.0		14.4		12.8	
55			55	8.30	17.6		15.8	131	14.1	117
60			60	7.60	19.2		17.3		15.4	
65			65	7.00	20.8		18.7		16.6	
70			70	6.51	22.4		20.2		17.9	
75			75	6.08	24.0		21.6		19.2	
80			80	5.70	25.6		23.0		20.5	
90			90	5.06	28.8		25.9		23.0	
100			100	4.56	32.0		28.8		25.6	
125			125	3.88	40.0		36.0		32.0	
150			150	3.04	48.0		43.2		38.4	
175			175	2.61	56.0		50.4		44.8	
200	200	2.28	64.0		57.6		51.2			
TM 30 x 25	30	15	25	22.50	8.0		7.2		6.4	
30			30	18.75	9.6		8.6		7.7	
35			35	16.10	11.2		10.1		9.0	
40			40	14.06	12.8		11.5		10.2	
45			45	12.50	14.4		13.0		11.5	
50			50	11.25	16.0		14.4		12.8	
55			55	10.23	17.6		15.8		14.1	
60			60	9.37	19.2		17.3		15.4	
65			65	8.65	20.8		18.7	161	16.6	144
70			70	8.03	22.4		20.2		17.9	
75			75	7.50	24.0		21.6		19.2	
80			80	7.03	25.6		23.0		20.5	
90			90	6.25	28.8		25.9		23.0	
100			100	5.62	32.0		28.8		25.6	
125			125	4.50	40.0		36.0		32.0	
150			150	3.75	48.0		43.2		38.4	
175			175	3.21	56.0		50.4		44.8	
200	200	2.81	64.0		57.6		51.2			
TM 35 x 35	35	17.5	35	21.87	11.2		10.1		9.0	
40			40	19.14	12.8		11.5		10.2	
45			45	17.01	14.4		13.0		11.5	
50			50	15.31	16.0		14.4		12.8	
55			55	13.92	17.6		15.8		14.1	
60			60	12.76	19.2		17.3		15.4	
65			65	11.77	20.8		18.7		16.6	
70			70	10.93	22.4		20.2		17.9	
75			75	10.20	24.0		21.6	220	19.2	195
80			80	9.57	25.6		23.0		20.5	
90			90	8.50	28.8		25.9		23.0	
100			100	7.65	32.0		28.8		25.6	
125			125	6.12	40.0		36.0		32.0	
150			150	5.10	48.0		43.2		38.4	
175			175	4.37	56.0		50.4		44.8	
200			200	3.82	64.0		57.6		51.2	

※kgf | N | (load)=kgf/1mm(spring constant)xrmm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TM

中荷重
MEDIUMLOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 Springconstant (kgf/mm)	30万 (0.3million)		50万 (0.5million)		100万 (1million)						
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf					
TM 40 × 40	40	20	40	25.02	12.8	320	11.5	288	10.2	256					
45			45	22.26	14.4		13.0		11.5						
50			50	20.00	16.0		14.4		12.8						
55			55	18.15	17.6		15.8		14.1						
60			60	16.60	19.2		17.3		15.4						
65			65	15.40	20.8		18.7		16.6						
70			70	14.28	22.4		20.2		17.9						
75			75	13.34	24.0		21.6		19.2						
80			80	12.50	25.6		23.0		20.5						
90			90	11.11	28.8		25.9		23.0						
100			100	10.00	32.0		28.8		25.6						
125			125	8.00	40.0		36.0		32.0						
150			150	6.66	48.0		43.2		38.4						
175			175	5.71	56.0		50.4		44.8						
200			200	5.00	64.0		57.6		51.2						
225			225	4.44	72.0		64.8		57.6						
250			250	4.00	80.0		72.0		64.0						
275			275	3.64	88.0		79.2		70.4						
300			300	3.33	96.0		86.4		76.8						
TM 50 × 50			50	25	50		31.25		16.0		500	14.4	450	12.8	400
55	55	28.41			17.6	15.8	14.1								
60	60	26.04			19.2	17.3	15.4								
65	65	24.04			20.8	18.7	16.6								
70	70	22.32			22.4	20.2	17.9								
75	75	20.83			24.0	21.6	19.2								
80	80	19.53			25.6	23.0	20.5								
90	90	17.36			28.8	25.9	23.0								
100	100	15.62			32.0	28.8	25.6								
125	125	12.50			40.0	36.0	32.0								
150	150	10.41			48.0	43.2	38.4								
175	175	8.92			56.0	50.4	44.8								
200	200	7.81			64.0	57.6	51.2								
225	225	6.94			72.0	64.8	57.6								
250	250	6.25			80.0	72.0	64.0								
275	275	5.68			88.0	79.2	70.4								
300	300	5.20			96.0	86.4	76.8								
350	350	4.46			112.0	100.8	89.6								
TM 60 × 60	60	30			60	37.40	19.2	720	17.3	648		15.4		575	
70					70	32.10	22.4		20.2			17.9			
80			80	28.12	25.6	23.0	20.5								
90			90	25.00	28.8	25.9	23.0								
100			100	22.50	32.0	28.8	25.6								
125			125	18.00	40.0	36.0	32.0								
150			150	15.00	48.0	43.2	38.4								
175			175	12.85	56.0	50.4	44.8								
200			200	11.25	64.0	57.6	51.2								
225			225	10.00	72.0	64.8	57.6								
250			250	9.00	80.0	72.0	64.0								
275			275	8.18	88.0	79.2	70.4								
300			300	7.50	96.0	86.4	76.8								
350			350	6.43	112.0	100.8	89.6								
TM 70 × 70			70	38.5	70	44.64	22.4		1000		20.1	900	17.9		800
80					80	39.06	25.6				23.0		20.4		
90					90	34.72	28.8				25.9		23.0		
100					100	31.25	32.0				28.8		25.6		
125					125	25.00	40.0				36.0		32.0		
150					150	20.83	48.0				43.2		38.4		
175	175	17.86			56.0	50.4	44.8								
200	200	15.63			64.0	57.6	51.2								
225	225	13.89			72.0	64.8	57.6								
250	250	12.50			80.0	72.0	64.0								
275	275	11.36			88.0	79.2	70.4								
300	300	10.42			96.0	86.4	76.8								
350	350	8.93			112.0	100.8	89.6								

*kgf | N | (load)=kgf/1mm(springconstant)x/mm(deflection) Load ± 10% Right angle below 2° Free length below 50m/m ± 0.5m/m Above 55m/m ± 1%

TH

重荷重
HEAVY LOAD



型号 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 spring constant (kg/mm)	30万(0.3million)		50万(0.5million)		100万(1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TH 8×10	8	4	10	8.80	2.4	21	2.2	19	1.9	17
15			15	5.86	3.6		3.2		2.9	
20			20	4.40	4.8		4.3		3.8	
25			25	3.52	6.0		5.4		4.8	
30			30	2.93	7.2		6.5		5.8	
35			35	2.51	8.4		7.6		6.7	
40			40	2.20	9.6		8.6		7.7	
45			45	1.95	10.8		9.7		8.6	
50			50	1.76	12.0		10.8		9.6	
55			55	1.60	13.2		11.9		10.6	
60			60	1.47	14.4		13.0		11.5	
65			65	1.35	15.6		14.0		12.5	
70			70	1.26	16.8		15.1		13.4	
75			75	1.17	18.0		16.2		14.4	
80			80	1.10	19.2		17.3		15.4	
90			90	0.98	21.6		19.4		17.3	
TH 10×10	10	5	10	12.27	2.4	30	2.2	27	1.9	24
15			15	8.18	3.6		3.3		2.9	
20			20	6.25	4.8		4.3		3.8	
25			25	5.00	6.0		5.4		4.8	
30			30	4.16	7.2		6.5		5.8	
35			35	3.57	8.4		7.6		6.7	
40			40	3.15	9.6		8.6		7.7	
45			45	2.77	10.8		9.7		8.6	
50			50	2.50	12.0		10.8		9.6	
55			55	2.27	13.2		11.9		10.6	
60			60	2.08	14.4		13.0		11.5	
65			65	1.92	15.6		14.0		12.5	
70			70	1.79	16.8		15.1		13.4	
75			75	1.67	18.0		16.2		14.4	
80			80	1.56	19.2		17.3		15.4	
90			90	1.39	21.6		19.4		17.3	
100	100	1.25	24.0	21.6	19.2					
TH 12×20	12	6	20	8.90	4.8	43	4.3	38	3.8	34
25			25	7.10	6.0		5.4		4.8	
30			30	5.97	7.2		6.5		5.8	
35			35	5.11	8.4		7.6		6.7	
40			40	4.47	9.6		8.6		7.7	
45			45	3.98	10.8		9.7		8.6	
50			50	3.58	12.0		10.8		9.6	
55			55	3.25	13.2		11.9		10.6	
60			60	2.98	14.4		13.0		11.5	
65			65	2.74	15.6		14.0		12.5	
70			70	2.54	16.8		15.1		13.4	
75			75	2.37	18.0		16.2		14.4	
80			80	2.21	19.2		17.3		15.4	
90			90	1.98	21.6		19.4		17.3	
100			100	1.78	24.0		21.6		19.2	
TH 14×20			14	7	20		12.05		4.8	
25	25	9.83			6.0	5.4	4.8			
30	30	8.19			7.2	6.5	5.8			
35	35	7.02			8.4	7.6	6.7			
40	40	6.14			9.6	8.6	7.7			
45	45	5.46			10.8	9.7	8.6			
50	50	4.91			12.0	10.8	9.6			
55	55	4.46			13.2	11.9	10.6			
60	60	4.09			14.4	13.0	11.5			
65	65	3.78			15.6	14.0	12.5			
70	70	3.51			16.8	15.1	13.4			
75	75	3.27			18.0	16.2	14.4			
80	80	3.07			19.2	17.3	15.4			
90	90	2.72			21.6	19.4	17.3			
100	100	2.46			24.0	21.6	19.2			
125	125	1.97			30.0	27.0	24.0			

*kgf | N | (load)=kgf/1mm(spring constant)xmm(deflection)

Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TH

重荷重
HEAVY LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 spring constant (kg/mm)	30万(0.3million)		50万(0.5million)		100万(1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TH 16 x 20	16	8	20	15.68	4.8	77	4.4	69	3.8	62
25			25	12.83	6.0		5.4		4.8	
30			30	10.69	7.2		6.5		5.8	
35			35	9.16	8.4		7.6		6.7	
40			40	8.02	9.6		8.6		7.7	
45			45	7.12	10.8		9.7		8.6	
50			50	6.41	12.0		10.8		9.6	
55			55	5.83	13.2		11.9		10.6	
60			60	5.34	14.4		13.0		11.5	
65			65	4.93	15.6		14.0		12.5	
70			70	4.58	16.8		15.1		13.4	
75			75	4.28	18.0		16.2		14.4	
80			80	4.01	19.2		17.3		15.4	
90			90	3.57	21.6		19.4		17.3	
100	100	3.21	24.0	21.6	19.2					
125	125	2.57	30.0	27.0	24.0					
TH 18 x 20	18	9	20	19.77	4.8	97	4.4	87	3.8	78
25			25	16.16	6.0		5.4		4.8	
30			30	13.47	7.2		6.5		5.8	
35			35	11.54	8.4		7.6		6.7	
40			40	10.10	9.6		8.6		7.7	
45			45	8.98	10.8		9.7		8.6	
50			50	8.08	12.0		10.8		9.6	
55			55	7.34	13.2		11.9		10.6	
60			60	6.73	14.4		13.0		11.5	
65			65	6.21	15.6		14.0		12.5	
70			70	5.77	16.8		15.1		13.4	
75			75	5.39	18.0		16.2		14.4	
80			80	5.05	19.2		17.3		15.4	
90			90	4.50	21.6		19.4		17.3	
100	100	4.04	24.0	21.6	19.2					
125	125	3.23	30.0	27.0	24.0					
TH 20 x 20	20	10	20	24.55	4.8	120	4.4	108	3.7	96
25			25	20.00	6.0		5.4		4.8	
30			30	16.66	7.2		6.5		5.8	
35			35	14.28	8.4		7.6		6.7	
40			40	12.50	9.6		8.6		7.7	
45			45	11.11	10.8		9.7		8.6	
50			50	10.00	12.0		10.8		9.6	
55			55	9.09	13.2		11.9		10.6	
60			60	8.33	14.4		13.0		11.5	
65			65	7.69	15.6		14.0		12.5	
70			70	7.14	16.8		15.1		13.4	
75			75	6.67	18.0		16.2		14.4	
80			80	6.25	19.2		17.3		15.4	
90			90	5.55	21.6		19.4		17.3	
100	100	5.00	24.0	21.6	19.2					
125	125	4.00	30.0	27.0	24.0					
150	150	3.33	36.0	32.4	28.8					
175	175	2.66	42.0	37.8	33.6					
TH 22 x 25	22	11	25	24.16	6.0	145	5.4	130	4.8	116
30			30	20.13	7.2		6.5		5.9	
35			35	17.30	8.4		7.6		6.7	
40			40	15.10	9.6		8.6		7.7	
45			45	13.40	10.8		9.7		8.6	
50			50	12.08	12.0		10.8		9.6	
55			55	10.94	13.2		11.9		10.6	
60			60	10.06	14.4		13.0		11.5	
65			65	9.28	15.6		14.0		12.5	
70			70	8.63	16.8		15.1		13.4	
75			75	8.04	18.0		16.2		14.4	
80			80	7.55	19.2		17.3		15.4	
90			90	6.71	21.6		19.4		17.3	
100			100	6.04	24.0		21.6		19.2	
125	125	4.83	30.0	27.0	24.0					
150	150	4.02	36.0	32.4	28.8					
175	175	3.45	42.0	37.8	33.6					

#kgf | N | (load)=kgf/1mm(springconstant)xrmm(deflection)

Load ± 10% Right angle below 2° Free length below 50m/± 0.5m/ Above 55m/± 1%

TH

重荷重
HEAVY LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 springconstant (kg/mm)	30万(0.3million)		50万(0.5million)		100万(1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TH 25 x 25	25	12.5	25	31.20	6.0	187	5.4	169	4.8	150
30			30	25.97	7.2		6.5		5.8	
35			35	22.38	8.4		7.6		6.7	
40			40	19.47	9.6		8.6		7.7	
45			45	17.40	10.8		9.7		8.6	
50			50	15.58	12.0		10.8		9.6	
55			55	14.20	13.2		11.9		10.6	
60			60	12.98	14.4		13.0		11.5	
65			65	12.00	15.6		14.0		12.5	
70			70	11.13	16.8		15.1		13.4	
75			75	10.40	18.0		16.2		14.4	
80			80	9.73	19.2		17.3		15.4	
90			90	8.65	21.6		19.4		17.3	
100			100	7.79	24.0		21.6		19.2	
125			125	6.23	30.0		27.0		24.0	
150			150	5.20	36.0		32.4		28.8	
175	175	4.48	42.0	37.8	33.6					
200	200	3.90	48.0	43.2	38.4					
TH 27 x 25	27	13.5	25	36.40	6.0	219	5.4	197	4.8	175
30			30	30.41	7.2		6.5		5.8	
35			35	26.20	8.4		7.6		6.7	
40			40	22.81	9.6		8.6		7.7	
45			45	20.30	10.8		9.7		8.6	
50			50	18.25	12.0		10.8		9.6	
55			55	16.50	13.2		11.9		10.6	
60			60	15.20	14.4		13.0		11.5	
65			65	14.00	15.6		14.0		12.5	
70			70	13.03	16.8		15.1		13.4	
75			75	12.10	18.0		16.2		14.4	
80			80	11.40	19.2		17.3		15.4	
90			90	10.13	21.6		19.4		17.3	
100			100	9.12	24.0		21.6		19.2	
125			125	7.30	30.0		27.0		24.0	
150			150	6.08	36.0		32.4		28.8	
175	175	5.21	42.0	37.8	33.6					
200	200	4.56	48.0	43.2	38.4					
TH 30 x 25	30	15	25	45.00	6.0	270	5.4	243	4.8	216
30			30	37.50	7.2		6.5		5.8	
35			35	32.26	8.4		7.6		6.7	
40			40	28.12	9.6		8.6		7.7	
45			45	25.00	10.8		9.7		8.6	
50			50	22.50	12.0		10.8		9.6	
55			55	20.40	13.2		11.9		10.6	
60			60	18.75	14.4		13.0		11.5	
65			65	17.30	15.6		14.0		12.5	
70			70	16.07	16.8		15.1		13.4	
75			75	15.00	18.0		16.2		14.4	
80			80	14.06	19.2		17.3		15.4	
90			90	12.50	21.6		19.4		17.3	
100			100	11.25	24.0		21.6		19.2	
125			125	9.00	30.0		27.0		24.0	
150			150	7.50	36.0		32.4		28.8	
175	175	6.42	42.0	37.8	33.6					
200	200	5.62	48.0	43.2	38.4					
TH 35 x 35	35	17.5	35	43.68	8.4	367	7.6	330	6.7	293
40			40	38.22	9.6		8.6		7.7	
45			45	33.98	10.8		9.7		8.6	
50			50	30.58	12.0		10.8		9.6	
55			55	27.80	13.2		11.9		10.6	
60			60	25.48	14.4		13.0		11.5	
65			65	23.53	15.6		14.0		12.5	
70			70	21.84	16.8		15.1		13.4	
75			75	20.39	18.0		16.2		14.4	
80			80	19.11	19.2		17.3		15.4	
90			90	16.99	21.6		19.4		17.3	
100			100	15.29	24.0		21.6		19.2	
125			125	12.23	30.0		27.0		24.0	
150			150	10.19	36.0		32.4		28.8	
175			175	8.73	42.0		37.8		33.6	
200			200	7.84	48.0		43.2		38.4	

※kgf | N | (load)=kgf/1mm(springconstant)xrmm(deflection)

Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TH

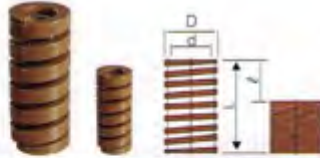
重荷重
HEAVY LOAD

呼称 Model	外径 Outer Dia	内径 Inner Dia	自由长 Free length (mm)	定数 springconstant (kg/mm)	30万(0.3million)		50万(0.5million)		100万(1million)						
					変形量 Deflection mm	荷重 Load kgf	変形量 Deflection mm	荷重 Load kgf	変形量 Deflection mm	荷重 Load kgf					
TH 40 x 40	40	20	40	50.00	9.6	480	8.6	432	7.7	384					
45			45	44.44	10.8		9.7		8.6						
50			50	40.00	12.0		10.8		9.6						
55			55	36.36	13.2		11.9		10.6						
60			60	33.33	14.4		13.0		11.5						
65			65	30.77	15.6		14.0		12.5						
70			70	28.57	16.8		15.1		13.4						
75			75	28.67	18.0		16.2		14.4						
80			80	25.00	19.2		17.3		15.4						
90			90	22.22	21.6		19.4		17.3						
100			100	20.00	24.0		21.6		19.2						
125			125	16.00	30.0		27.0		24.0						
150			150	13.33	36.0		32.4		28.8						
175			175	11.42	42.0		37.8		33.6						
200			200	10.00	48.0		43.2		38.4						
225			225	8.89	54.0		48.6		43.2						
250			250	8.00	60.0		54.0		48.0						
275	275	7.27	66.0	59.4	52.8										
300	300	6.67	72.0	64.8	57.6										
TH 50 x 50	50	25	50	62.50	12.0	750	10.8	675	9.6	600					
55			55	56.82	13.2		11.9		10.6						
60			60	52.08	14.4		13.0		11.5						
65			65	48.08	15.6		14.0		12.5						
70			70	44.64	16.8		15.1		13.4						
75			75	41.67	18.0		16.2		14.4						
80			80	39.06	19.2		17.3		15.4						
90			90	34.72	21.6		19.4		17.3						
100			100	31.25	24.0		21.6		19.2						
125			125	25.00	30.0		27.0		24.0						
150			150	20.83	36.0		32.4		28.8						
175			175	17.85	42.0		37.8		33.6						
200			200	15.62	48.0		43.2		38.4						
225			225	13.89	54.0		48.6		43.2						
250			250	12.50	60.0		54.0		48.0						
275			275	11.36	66.0		59.4		52.8						
300			300	10.41	72.0		64.8		57.6						
350	350	8.93	84.0	75.6	67.2										
TH 60 x 60	60	30	60	75.00	14.4	1080	13.0	973	11.5	864					
65			65	69.64	15.6		14.0		12.5						
70			70	64.28	16.8		15.1		13.4						
80			80	56.25	19.2		17.3		15.4						
90			90	50.00	21.6		19.4		17.3						
100			100	45.00	24.0		21.6		19.2						
125			125	36.00	30.0		27.0		24.0						
150			150	30.00	36.0		32.4		28.8						
175			175	25.71	42.0		37.8		33.6						
200			200	22.50	48.0		43.2		38.4						
225			225	20.00	54.0		48.6		43.2						
250			250	18.00	60.0		54.0		48.0						
275			275	16.36	66.0		59.4		52.8						
300			300	15.00	72.0		64.8		57.6						
350			350	12.86	84.0		75.6		67.2						
TH 70 x 70			70	38.5	70		83.33		16.8		1400	15.1	1260	13.4	1120
80					80		72.92		19.2			17.2		15.3	
90	90	64.81			21.6	19.4	17.2								
100	100	58.33			24.0	21.6	19.2								
125	125	46.87			30.0	27.0	24.0								
150	150	38.89			36.0	32.4	28.8								
175	175	33.33			42.0	37.8	33.6								
200	200	29.17			48.0	43.2	38.4								
225	225	25.93			54.0	48.6	43.2								
250	250	23.33			60.0	54.0	48.0								
275	275	21.21			66.0	59.4	52.8								
300	300	19.44			72.0	64.8	57.6								
350	350	16.67			84.0	75.6	67.2								

*kgf | N | (load)=kgf/1mm(springconstant)x:mm(deflection) Load±10% Right angle below 2° Free length below 50mm±0.5mm Above 55mm±1%

TB

极重荷量
SUPERLOAD



呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 spring constant (kg/mm)	30万(0.3million)		50万 (0.5million)		100万(1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TB 8 x 10	8	4	10	16.94	2.0	35	1.8	31	1.6	26
15			15	11.30	3.0		2.7		2.4	
20			20	8.47	4.0		3.6		3.2	
25			25	6.78	5.0		4.5		4.0	
30			30	5.65	6.0		5.4		4.8	
35			35	4.84	7.0		6.3		5.6	
40			40	4.24	8.0		7.2		6.4	
45			45	3.77	9.0		8.1		7.2	
50			50	3.39	10.0		9.0		8.0	
55			55	3.08	11.0		9.9		8.8	
60			60	2.82	12.0		10.8		9.6	
65			65	2.61	13.0		11.7		10.4	
70			70	2.42	14.0		12.6		11.2	
75			75	2.26	15.0		13.5		12.0	
80			80	2.12	16.0		14.4		12.8	
90			90	1.88	18.0		16.2		14.4	
TB 10 x 10	10	5	10	22.78	2.0	45	1.8	41	1.6	36
15			15	15.19	3.0		2.7		2.4	
20			20	11.25	4.0		3.6		3.2	
25			25	9.00	5.0		4.5		4.0	
30			30	7.50	6.0		5.4		4.8	
35			35	6.43	7.0		6.3		5.6	
40			40	5.63	8.0		7.2		6.4	
45			45	5.00	9.0		8.1		7.2	
50			50	4.50	10.0		9.0		8.0	
55			55	4.09	11.0		9.9		8.8	
60			60	3.75	12.0		10.8		9.6	
65			65	3.47	13.0		11.7		10.4	
70			70	3.21	14.0		12.6		11.2	
75			75	3.00	15.0		13.5		12.0	
80			80	2.82	16.0		14.4		12.8	
90			90	2.50	18.0		16.2		14.4	
100	100	2.25	20.0	18.0	16.0					
TB 12 x 20	12	60	20	14.50	4.0	58	3.6	52	3.2	46
25			25	11.60	5.0		4.5		4.0	
30			30	9.87	6.0		5.4		4.8	
35			35	8.29	7.0		6.3		5.6	
40			40	7.25	8.0		7.2		6.4	
45			45	6.44	9.0		8.1		7.2	
50			50	5.80	10.0		9.0		8.0	
55			55	5.27	11.0		9.9		8.8	
60			60	4.83	12.0		10.8		9.6	
65			65	4.44	13.0		11.7		10.4	
70			70	4.13	14.0		12.6		11.2	
75			75	3.85	15.0		13.5		12.0	
80			80	3.61	16.0		14.4		12.8	
90			90	3.22	18.0		16.2		14.4	
100			100	2.90	20.0		18.0		16.0	
TB 14 x 20			14	7	20		18.89		4.0	
25	25	15.00			5.0	4.5	4.0			
30	30	12.50			6.0	5.4	4.8			
35	35	10.72			7.0	6.3	5.6			
40	40	9.38			8.0	7.2	6.4			
45	45	8.34			9.0	8.1	7.2			
50	50	7.50			10.0	9.0	8.0			
55	55	6.82			11.0	9.9	8.8			
60	60	6.25			12.0	10.8	9.6			
65	65	5.77			13.0	11.7	10.4			
70	70	5.36			14.0	12.6	11.2			
75	75	5.00			15.0	13.5	12.0			
80	80	4.69			16.0	14.4	12.8			
90	90	4.17			18.0	16.2	14.4			
100	100	3.75			20.0	18.0	16.0			
125	125	3.00			25.0	22.5	20.0			

*kgf | N | (load)=kgf/1mm(spring constant)x:mm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TB

极重荷量
SUPERLOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 springconstant (kg/mm)	30万(0.3million)		50万(0.5million)		100万(1million)	
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf
TB16 x 20	16	8	20	25.00	4.0	100	3.6	90	3.2	80
25			25	20.00	5.0		4.5		4.0	
30			30	16.67	6.0		5.4		4.8	
35			35	14.29	7.0		6.3		5.6	
40			40	12.50	8.0		7.2		6.4	
45			45	11.11	9.0		8.1		7.2	
50			50	10.00	10.0		9.0		8.0	
55			55	9.09	11.0		9.9		8.8	
60			60	8.34	12.0		10.8		9.6	
65			65	7.69	13.0		11.7		10.4	
70			70	7.14	14.0		12.6		11.2	
75			75	6.67	15.0		13.5		12.0	
80			80	6.25	16.0		14.4		12.8	
90			90	5.56	18.0		16.2		14.4	
100	100	5.00	20.0	18.0	16.0					
125	125	4.00	25.0	22.5	20.0					
TB18 x 20	18	9	20	31.39	4.0	125	3.6	113	3.2	100
25			25	25.00	5.0		4.5		4.0	
30			30	20.84	6.0		5.4		4.8	
35			35	17.86	7.0		6.3		5.6	
40			40	15.63	8.0		7.2		6.4	
45			45	13.89	9.0		8.1		7.2	
50			50	12.50	10.0		9.0		8.0	
55			55	11.37	11.0		9.9		8.8	
60			60	10.42	12.0		10.8		9.6	
65			65	9.62	13.0		11.7		10.4	
70			70	8.93	14.0		12.6		11.2	
75			75	8.34	15.0		13.5		12.0	
80			80	7.82	16.0		14.4		12.8	
90			90	6.95	18.0		16.2		14.4	
100	100	6.26	20.0	18.0	16.0					
125	125	5.00	25.0	22.5	20.0					
TB 20 x 20	20	10	20	40.00	4.0	160	3.6	144	3.2	128
25			25	32.00	5.0		4.5		4.0	
30			30	26.67	6.0		5.4		4.8	
35			35	22.86	7.0		6.3		5.6	
40			40	20.00	8.0		7.2		6.4	
45			45	17.78	9.0		8.1		7.2	
50			50	16.00	10.0		9.0		8.0	
55			55	14.55	11.0		9.9		8.8	
60			60	13.33	12.0		10.8		9.6	
65			65	12.31	13.0		11.7		10.4	
70			70	11.43	14.0		12.6		11.2	
75			75	10.67	15.0		13.5		12.0	
80			80	10.00	16.0		14.4		12.8	
90			90	8.89	18.0		16.2		14.4	
100	100	8.00	20.0	18.0	16.0					
125	125	6.40	25.0	22.5	20.0					
150	150	5.33	30.0	27.0	24.0					
175	175	4.57	35.0	31.5	28.0					
TB 22 x 25	22	11	25	39.00	5.0	195	4.5	176	4.0	156
30			30	32.50	6.0		5.4		4.8	
35			35	27.86	7.0		6.3		5.6	
40			40	24.38	8.0		7.2		6.4	
45			45	21.67	9.0		8.1		7.2	
50			50	19.50	10.0		9.0		8.0	
55			55	17.73	11.0		9.9		8.8	
60			60	16.25	12.0		10.8		9.6	
65			65	15.00	13.0		11.7		10.4	
70			70	13.93	14.0		12.6		11.2	
75			75	13.00	15.0		13.5		12.0	
80			80	12.19	16.0		14.4		12.8	
90			90	10.83	18.0		16.2		14.4	
100			100	9.75	20.0		18.0		16.0	
125	125	7.80	25.0	22.5	20.0					
150	150	6.50	30.0	27.0	24.0					
175	175	5.57	35.0	31.5	28.0					

@kgf | N | (load)=kgf/1mm(springconstant)x/mm(deflection)

Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%

TB

极重荷量
SUPER LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 springconstant (kgf/mm)	30万(0.3million)		50万 (0.5million)		100万(1million)						
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf					
TB 25 × 25	25	12.5	25	49.00	5.0	245	4.5	221	4.0	196					
30			30	40.80	6.0		5.4		4.8						
35			35	35.00	7.0		6.3		5.6						
40			40	30.60	8.0		7.2		6.4						
45			45	27.20	9.0		8.1		7.2						
50			50	24.50	10.0		9.0		8.0						
55			55	22.30	11.0		9.9		8.8						
60			60	20.40	12.0		10.8		9.6						
65			65	18.80	13.0		11.7		10.4						
70			70	17.50	14.0		12.6		11.2						
75			75	16.30	15.0		13.5		12.0						
80			80	15.30	16.0		14.4		12.8						
90			90	13.60	18.0		16.2		14.4						
100			100	12.30	20.0		18.0		16.0						
125			125	9.80	25.0		22.5		20.0						
150			150	8.17	30.0		27.0		24.0						
175			175	7.00	35.0		31.5		28.0						
200			200	6.13	40.0		36.0		32.0						
TB 27 × 25			27	13.5	25		58.00		5.0		290	4.5	261	4.0	232
30					30		48.33		6.0			5.4		4.8	
35	35	41.43			7.0	6.3	5.6								
40	40	36.25			8.0	7.2	6.4								
45	45	32.22			9.0	8.1	7.2								
50	50	29.00			10.0	9.0	8.0								
55	55	26.36			11.0	9.9	8.8								
60	60	24.17			12.0	10.8	9.6								
65	65	22.31			13.0	11.7	10.4								
70	70	20.71			14.0	12.6	11.2								
75	75	19.33			15.0	13.5	12.0								
80	80	18.13			16.0	14.4	12.8								
90	90	16.11			18.0	16.2	14.4								
100	100	14.50			20.0	18.0	16.0								
125	125	11.60			25.0	22.5	20.0								
150	150	9.67			30.0	27.0	24.0								
175	175	8.28			35.0	31.5	28.0								
200	200	7.25			40.0	36.0	32.0								
TB 30 × 25	30	15			25	72.00	5.0	360	4.5	324		4.0		288	
30					30	60.00	6.0		5.4			4.8			
35			35	51.43	7.0	6.3	5.6								
40			40	45.00	8.0	7.2	6.4								
45			45	40.00	9.0	8.1	7.2								
50			50	36.00	10.0	9.0	8.0								
55			55	32.72	11.0	9.9	8.8								
60			60	30.00	12.0	10.8	9.6								
65			65	27.69	13.0	11.7	10.4								
70			70	25.71	14.0	12.6	11.2								
75			75	24.00	15.0	13.5	12.0								
80			80	22.50	16.0	14.4	12.8								
90			90	20.00	18.0	16.2	14.4								
100			100	18.00	20.0	18.0	16.0								
125			125	14.40	25.0	22.5	20.0								
150			150	12.00	30.0	27.0	24.0								
175			175	10.28	35.0	31.5	28.0								
200			200	9.00	40.0	36.0	32.0								
TB 35 × 35			35	17.5	35	69.94	7.0		490		6.3	441	5.6		392
40					40	61.25	8.0				7.2		6.4		
45	45	54.44			9.0	8.1	7.2								
50	50	49.00			10.0	9.0	8.0								
55	55	44.54			11.0	9.9	8.8								
60	60	40.83			12.0	10.8	9.6								
65	65	37.69			13.0	11.7	10.4								
70	70	35.00			14.0	12.6	11.2								
75	75	32.67			15.0	13.5	12.0								
80	80	30.62			16.0	14.4	12.8								
90	90	27.22			18.0	16.2	14.4								
100	100	24.50			20.0	18.0	16.0								
125	125	19.60			25.0	22.5	20.0								
150	150	16.33			30.0	27.0	24.0								
175	175	14.00			35.0	31.5	28.0								
200	200	12.25			40.0	36.0	32.0								

※kgf | N | (load)=kgf/1mm(springconstant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50m(±0.5m) Above 55m(± 1%)

Spring Die Mould Part Industry Co.,Ltd www.spring-diemouldpart.com export@spring-diemouldpart.com

TB

极重荷量
SUPER LOAD

呼称 Model	外径 Outer Dia.	内径 Inner Dia.	自由长 Free length (mm)	定数 springconstant (kgf/mm)	30万(0.3million)		50万 (0.5million)		100万(1million)						
					变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf	变形量 Deflection mm	荷重 Load kgf					
TB 40 x 40	40	20	40	80.00	8.0	640	7.2	576	6.4	512					
45			45	71.11	9.0		8.1		7.2						
50			50	64.00	10.0		9.0		8.0						
55			55	58.18	11.0		9.9		8.8						
60			60	53.33	12.0		10.8		9.6						
65			65	49.23	13.0		11.7		10.4						
70			70	45.71	14.0		12.6		11.2						
75			75	42.67	15.0		13.5		12.0						
80			80	40.00	16.0		14.4		12.8						
90			90	35.55	18.0		16.2		14.4						
100			100	32.00	20.0		18.0		16.0						
125			125	25.60	25.0		22.5		20.0						
150			150	21.33	30.0		27.0		24.0						
175			175	18.28	35.0		31.5		28.0						
200			200	16.00	40.0		36.0		32.0						
225			225	14.22	45.0		40.5		36.0						
250			250	12.80	50.0		45.0		40.0						
275			275	11.64	55.0		49.5		44.0						
300	300	10.67	60.0	54.0	48.0										
TB 50 x 50	50	25	50	100.00	10.0	1000	9.0	900	8.0	800					
55			55	90.91	11.0		9.9		8.8						
60			60	83.33	12.0		10.8		9.6						
65			65	76.92	13.0		11.7		10.4						
70			70	71.42	14.0		12.6		11.2						
75			75	66.67	15.0		13.5		12.0						
80			80	62.50	16.0		14.4		12.8						
90			90	55.55	18.0		16.2		14.4						
100			100	50.00	20.0		18.0		16.0						
125			125	40.00	25.0		22.5		20.0						
150			150	33.33	30.0		27.0		24.0						
175			175	28.57	35.0		31.5		28.0						
200			200	25.00	40.0		36.0		32.0						
225			225	22.22	45.0		40.5		36.0						
250			250	20.00	50.0		45.0		40.0						
275			275	18.18	55.0		49.5		44.0						
300			300	16.66	60.0		54.0		48.0						
350			350	14.29	70.0		63.0		56.0						
TB 60 x 60	60	30	60	120.00	12.0	1440	10.8	1296	9.6	1152					
70			70	102.86	14.0		12.6		11.2						
80			80	90.00	16.0		14.4		12.8						
90			90	80.00	18.0		16.2		14.4						
100			100	72.00	20.0		18.0		16.0						
125			125	57.60	25.0		22.5		20.0						
150			150	48.00	30.0		27.0		24.0						
175			175	41.14	35.0		31.5		28.0						
200			200	36.00	40.0		36.0		32.0						
225			225	32.00	45.0		40.5		36.0						
250			250	28.80	50.0		45.0		40.0						
275			275	26.18	55.0		49.5		44.0						
300			300	24.00	60.0		54.0		48.0						
350			350	20.57	70.0		63.0		56.0						
TB 70 x 70			70	38.5	70		142.86		14.0		2000	12.6	1800	11.2	1600
80					80		125.00		16.0			14.4		12.8	
90					90		111.11		18.0			16.2		14.4	
100					100		100.00		20.0			18.0		16.0	
125	125	80.00			25.0	22.5	20.0								
150	150	66.67			30.0	27.0	24.0								
175	175	57.14			35.0	31.5	28.0								
200	200	50.00			40.0	36.0	32.0								
225	225	44.44			45.0	40.5	36.0								
250	250	40.00			50.0	45.0	40.0								
275	275	36.36			55.0	49.5	44.0								
300	300	33.33			60.0	54.0	48.0								
350	350	28.57			70.0	63.0	56.0								

※kgf | N | (load)=kgf/1mm(springconstant)xmm(deflection) Load ± 10% Right angle below 2° Free length below 50mm ± 0.5mm Above 55mm ± 1%