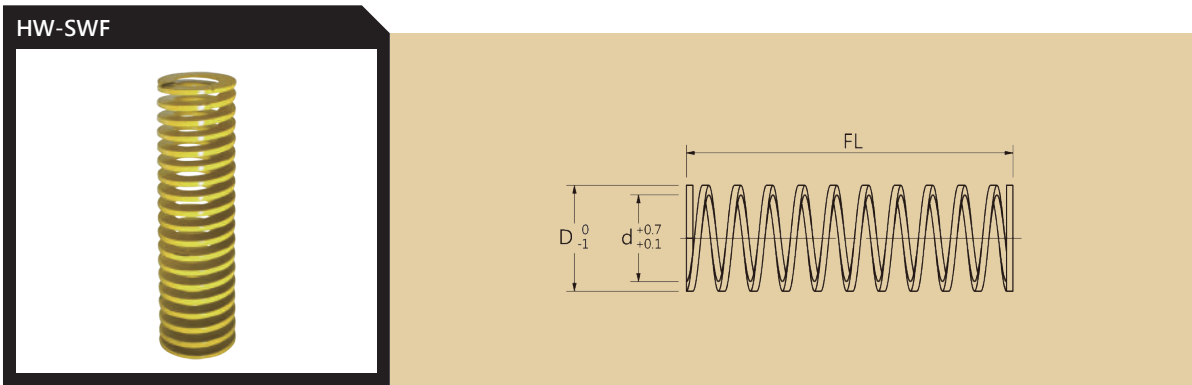




Type 品名	Material 材質	Delivery 交貨日
HW-SWF	SWOSC-V 彈簧鋼	7 Working Days 7 個工作日

Type	D	d	FL	Spring Constant		Free Length×40% 1,000,000 cycles		Free Length×45% 500,000 cycles		Free Length×50% 300,000 cycles	
				(N/mm)	(kgf/mm)	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }
HW-SWF	8	4	10	15.24	{ 1.55 }	4.0	58.8 { 6.0 }	4.5	68.6 { 7.0 }	5.0	78.5 { 8.0 }
			15	10.16	{ 1.04 }	6.0		6.8		7.5	
			20	7.62	{ 0.78 }	8.0		9.0		10.0	
			25	6.10	{ 0.62 }	10.0		11.3		12.5	
			30	5.08	{ 0.52 }	12.0		13.5		15.0	
			35	4.36	{ 0.44 }	14.0		15.8		17.5	
			40	3.81	{ 0.39 }	16.0		18.0		20.0	
			45	3.39	{ 0.35 }	18.0		20.3		22.5	
			50	3.05	{ 0.31 }	20.0		22.5		25.0	
			55	2.77	{ 0.28 }	22.0		24.8		27.5	
			60	2.54	{ 0.26 }	24.0		27.0		30.0	
			65	2.35	{ 0.24 }	26.0		29.3		32.5	
			70	2.18	{ 0.22 }	28.0		31.5		35.0	
			75	2.03	{ 0.21 }	30.0		33.8		37.5	
			80	1.19	{ 0.19 }	32.0		36.0		40.0	
	10	5	20	9.81	{ 1.00 }	8.0	78.5 { 8.0 }	9.0	88.3 { 9.0 }	10.0	98.1 { 10.0 }
			25	7.85	{ 0.80 }	10.0		11.3		12.5	
			30	6.54	{ 0.67 }	12.0		13.5		15.0	
			35	5.61	{ 0.57 }	14.0		15.8		17.5	
			40	4.91	{ 0.50 }	16.0		18.0		20.0	
			45	4.36	{ 0.44 }	18.0		20.3		22.5	
			50	3.92	{ 0.40 }	20.0		22.5		25.0	
			55	3.57	{ 0.36 }	22.0		24.8		27.5	
		8	60	3.27	{ 0.33 }	24.0		27.0		30.0	
			65	3.02	{ 0.31 }	26.0		29.3		32.5	
			70	2.80	{ 0.29 }	28.0		31.5		35.0	
			75	2.62	{ 0.27 }	30.0		33.8		37.5	
			80	2.45	{ 0.25 }	32.0		36.0		40.0	
			90	2.18	{ 0.22 }	36.0		40.5		45.0	
	12	6	20	13.62	{ 1.39 }	8.0	107.9 { 11.0 }	9.0	122.6 { 12.5 }	10.0	137.3 { 14.0 }
			25	10.90	{ 1.11 }	10.0		11.3		12.5	
			30	9.08	{ 0.93 }	12.0		13.5		15.0	
			35	7.78	{ 0.79 }	14.0		15.8		17.5	
			40	6.81	{ 0.69 }	16.0		18.0		20.0	
			45	6.05	{ 0.62 }	18.0		20.3		22.5	
			50	5.45	{ 0.56 }	20.0		22.5		25.0	
			55	4.95	{ 0.51 }	22.0		24.8		27.5	
			60	4.54	{ 0.46 }	24.0		27.0		30.0	

Type	D	d	FL	Spring Constant		Free Length×40% 1,000,000 cycles		Free Length×45% 500,000 cycles		Free Length×50% 300,000 cycles	
				(N/mm)	(kgf/mm)	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }
HW-SWF	12	6	65	4.19	{ 0.43 }	26.0	107.9 { 11.0 }	29.3	122.6 { 12.5 }	32.5	137.3 { 14.0 }
			70	3.89	{ 0.40 }	28.0		31.5		35.0	
			75	3.63	{ 0.37 }	30.0		33.8		37.5	
			80	3.41	{ 0.35 }	32.0		36.0		40.0	
			90	3.03	{ 0.31 }	36.0		40.5		45.0	
	14	7	25	13.95	{ 1.42 }	10.0	142.2 { 14.5 }	11.3	156.9 { 16.0 }	12.5	176.5 { 18.0 }
			30	11.62	{ 1.19 }	12.0		13.5		15.0	
			35	9.96	{ 1.02 }	14.0		15.8		17.5	
			40	8.72	{ 0.89 }	16.0		18.0		20.0	
			45	7.75	{ 0.79 }	18.0		20.3		22.5	
			50	6.97	{ 0.71 }	20.0		22.5		25.0	
			55	6.34	{ 0.65 }	22.0		24.8		27.5	
			60	5.81	{ 0.59 }	24.0		27.0		30.0	
			65	5.36	{ 0.55 }	26.0		29.3		32.5	
			70	4.98	{ 0.51 }	28.0		31.5		35.0	
			75	4.65	{ 0.47 }	30.0		33.8		37.5	
			80	4.36	{ 0.44 }	32.0		36.0		40.0	
			90	3.87	{ 0.40 }	36.0		40.5		45.0	
			100	3.49	{ 0.36 }	40.0		45.0		50.0	
	16	8	25	16.56	{ 1.69 }	10.0	166.7 { 17.0 }	11.3	186.3 { 19.0 }	12.5	206 { 21.0 }
			30	13.80	{ 1.41 }	12.0		13.5		15.0	
			35	11.83	{ 1.21 }	14.0		15.8		17.5	
			40	10.35	{ 1.06 }	16.0		18.0		20.0	
			45	9.20	{ 0.94 }	18.0		20.3		22.5	
			50	8.28	{ 0.84 }	20.0		22.5		25.0	
			55	7.53	{ 0.77 }	22.0		24.8		27.5	
			60	6.90	{ 0.70 }	24.0		27.0		30.0	
			65	6.37	{ 0.65 }	26.0		29.3		32.5	
			70	5.91	{ 0.60 }	28.0		31.5		35.0	
			75	5.52	{ 0.56 }	30.0		33.8		37.5	
			80	5.18	{ 0.53 }	32.0		36.0		40.0	
			90	4.60	{ 0.47 }	36.0		40.5		45.0	
			100	4.14	{ 0.42 }	40.0		45.0		50.0	
			125	3.31	{ 0.34 }	50.0		56.3		62.5	
	18	9	25	20.09	{ 2.05 }	10.0	206 { 21.0 }	11.3	226 { 23.0 }	12.5	255 { 26.0 }
			30	16.74	{ 1.71 }	12.0		13.5		15.0	
			35	14.35	{ 1.46 }	14.0		15.8		17.5	
			40	12.56	{ 1.28 }	16.0		18.0		20.0	
			45	11.16	{ 1.14 }	18.0		20.3		22.5	
			50	10.04	{ 1.02 }	20.0		22.5		25.0	
			55	9.13	{ 0.93 }	22.0		24.8		27.5	
			60	8.37	{ 0.85 }	24.0		27.0		30.0	
			65	7.73	{ 0.79 }	26.0		29.3		32.5	
			70	7.17	{ 0.73 }	28.0		31.5		35.0	
			75	6.70	{ 0.68 }	30.0		33.8		37.5	
			80	6.28	{ 0.64 }	32.0		36.0		40.0	
	20	11	90	5.58	{ 0.57 }	36.0	255 { 26.0 }	40.5	284 { 29.0 }	45.0	314 { 32.0 }
			100	5.02	{ 0.51 }	40.0		45.0		50.0	
			125	4.02	{ 0.41 }	50.0		56.3		62.5	
			25	25.24	{ 2.57 }	10.0		11.3		12.5	
			30	21.04	{ 2.15 }	12.0		13.5		15.0	
			35	18.03	{ 1.84 }	14.0		15.8		17.5	
			40	15.78	{ 1.61 }	16.0		18.0		20.0	
			45	14.02	{ 1.43 }	18.0		20.3		22.5	
			50	12.62	{ 1.29 }	20.0		22.5		25.0	
			55	11.47	{ 1.17 }	22.0		24.8		27.5	
			60	10.52	{ 1.07 }	24.0		27.0		30.0	
			65	9.71	{ 0.99 }	26.0		29.3		32.5	
			70	9.02	{ 0.92 }	28.0		31.5		35.0	
			75	8.41	{ 0.86 }	30.0		33.8		37.5	
			80	7.89	{ 0.80 }	32.0		36.0		40.0	
			90	7.01	{ 0.72 }	36.0		40.5		45.0	



Coil Springs-Lightest Load

扁線彈簧-輕少荷重

Type	D	d	FL	Spring Constant		Free Length×40% 1,000,000 cycles		Free Length×45% 500,000 cycles		Free Length×50% 300,000 cycles	
				(N/mm)	(kgf/mm)	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }
HW-SWF	20	11	100	6.31	{ 0.64 }	40.0	255 { 26.0 }	45.0	284 { 29.0 }	50.0	314 { 32.0 }
			125	5.05	{ 0.51 }	50.0		56.3		62.5	
			150	4.21	{ 0.43 }	60.0		67.5		75.0	
	22	11	25	31.38	{ 3.20 }	10.0	314 { 32.0 }	11.3	353 { 36.0 }	12.5	392 { 40.0 }
			30	26.15	{ 2.67 }	12.0		13.5		15.0	
			35	22.41	{ 2.29 }	14.0		15.8		17.5	
			40	19.61	{ 2.00 }	16.0		18.0		20.0	
			45	17.43	{ 1.78 }	18.0		20.3		22.5	
			50	15.69	{ 1.60 }	20.0		22.5		25.0	
			55	14.26	{ 1.45 }	22.0		24.8		27.5	
			60	13.07	{ 1.33 }	24.0		27.0		30.0	
			65	12.07	{ 1.23 }	26.0		29.3		32.5	
			70	11.21	{ 1.14 }	28.0		31.5		35.0	
			75	10.46	{ 1.07 }	30.0		33.8		37.5	
			80	9.81	{ 1.00 }	32.0		36.0		40.0	
			90	8.72	{ 0.89 }	36.0		40.5		45.0	
			100	7.84	{ 0.80 }	40.0		45.0		50.0	
			125	6.28	{ 0.64 }	50.0		56.3		62.5	
			150	5.23	{ 0.53 }	60.0		67.5		75.0	
	25	13.5	25	39.20	{ 4.00 }	10.0	392 { 40.0 }	11.3	441 { 45.0 }	12.5	490 { 50.0 }
			30	32.67	{ 3.33 }	12.0		13.5		15.0	
			35	28.00	{ 2.86 }	14.0		15.8		17.5	
			40	24.50	{ 2.50 }	16.0		18.0		20.0	
			45	21.78	{ 2.22 }	18.0		20.3		22.5	
			50	19.60	{ 2.00 }	20.0		22.5		25.0	
			55	17.82	{ 1.82 }	22.0		24.8		27.5	
			60	16.33	{ 1.67 }	24.0		27.0		30.0	
			65	15.08	{ 1.54 }	26.0		29.3		32.5	
			70	14.00	{ 1.43 }	28.0		31.5		35.0	
			75	13.07	{ 1.33 }	30.0		33.8		37.5	
			80	12.25	{ 1.25 }	32.0		36.0		40.0	
			90	10.89	{ 1.11 }	36.0		40.5		45.0	
			100	9.80	{ 1.00 }	40.0		45.0		50.0	
			125	7.84	{ 0.80 }	50.0		56.3		62.5	
			150	6.53	{ 0.67 }	60.0		67.5		75.0	
			175	5.60	{ 0.57 }	70.0		78.8		87.5	
			200	4.90	{ 0.50 }	80.0		90.0		100.0	
	27	13.5	25	47.11	{ 4.80 }	10.0	471 { 48.0 }	11.3	530 { 54.0 }	12.5	588 { 60.0 }
			30	39.26	{ 4.00 }	12.0		13.5		15.0	
			35	33.65	{ 3.43 }	14.0		15.8		17.5	
			40	29.44	{ 3.00 }	16.0		18.0		20.0	
			45	26.17	{ 2.67 }	18.0		20.3		22.5	
			50	23.56	{ 2.40 }	20.0		22.5		25.0	
			55	21.41	{ 2.18 }	22.0		24.8		27.5	
			60	19.63	{ 2.00 }	24.0		27.0		30.0	
			65	18.12	{ 1.85 }	26.0		29.3		32.5	
			70	16.83	{ 1.72 }	28.0		31.5		35.0	
			75	15.70	{ 1.60 }	30.0		33.8		37.5	
			80	14.72	{ 1.50 }	32.0		36.0		40.0	
			90	13.09	{ 1.33 }	36.0		40.5		45.0	
			100	11.78	{ 1.20 }	40.0		45.0		50.0	
			125	9.42	{ 0.96 }	50.0		56.3		62.5	
			150	7.85	{ 0.80 }	60.0		67.5		75.0	
			175	6.73	{ 0.69 }	70.0		78.8		87.5	
			200	5.89	{ 0.60 }	80.0		90.0		100.0	
	30	16	25	56.62	{ 5.77 }	10.0	569 { 58.0 }	11.3	637 { 65.0 }	12.5	706 { 72.0 }
			30	47.19	{ 4.81 }	12.0		13.5		15.0	
			35	40.44	{ 4.12 }	14.0		15.8		17.5	
			40	35.39	{ 3.61 }	16.0		18.0		20.0	
			45	31.46	{ 3.21 }	18.0		20.3		22.5	
			50	28.31	{ 2.89 }	20.0		22.5		25.0	
			55	25.74	{ 2.62 }	22.0		24.8		27.5	

Coil Springs-Lightest Load

扁線彈簧-輕少荷重

Type	D	d	FL	Spring Constant		Free Length×40% 1,000,000 cycles		Free Length×45% 500,000 cycles		Free Length×50% 300,000 cycles	
				(N/mm)	(kgf/mm)	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }
HW-SWF	30	16	60	23.59	{ 2.41 }	24.0	569 { 58.0 }	27.0	637 { 65.0 }	30.0	706 { 72.0 }
			65	21.78	{ 2.22 }	26.0		29.3		32.5	
			70	20.22	{ 2.06 }	28.0		31.5		35.0	
			75	18.87	{ 1.92 }	30.0		33.8		37.5	
			80	17.69	{ 1.80 }	32.0		36.0		40.0	
			90	15.73	{ 1.60 }	36.0		40.5		45.0	
			100	14.16	{ 1.44 }	40.0		45.0		50.0	
			125	11.32	{ 1.15 }	50.0		56.3		62.5	
			150	9.44	{ 0.96 }	60.0		67.5		75.0	
			175	8.09	{ 0.82 }	70.0		78.8		87.5	
	200	7.08	{ 0.72 }	80.0	90.0	100.0					
	35	19	40	47.94	{ 4.89 }	16.0	765 { 78.0 }	18.0	863 { 88.0 }	20.0	961 { 98.0 }
			45	42.62	{ 4.35 }	18.0		20.3		22.5	
			50	39.36	{ 3.91 }	20.0		22.5		25.0	
			55	34.87	{ 3.56 }	22.0		24.8		27.5	
			60	31.96	{ 3.26 }	24.0		27.0		30.0	
			65	29.50	{ 3.01 }	26.0		29.3		32.5	
			70	27.40	{ 2.79 }	28.0		31.5		35.0	
			75	25.57	{ 2.61 }	30.0		33.8		37.5	
			80	23.97	{ 2.44 }	32.0		36.0		40.0	
			90	21.31	{ 2.17 }	36.0		40.5		45.0	
			100	19.18	{ 1.96 }	40.0		45.0		50.0	
			125	15.34	{ 1.56 }	50.0		56.3		62.5	
			150	12.79	{ 1.30 }	60.0		67.5		75.0	
			175	10.96	{ 1.12 }	70.0		78.8		87.5	
	200	9.59	{ 0.98 }	80.0	90.0	100.0					
	40	22	40	62.67	{ 6.39 }	16.0	1000 { 102.0 }	18.0	1128 { 115.0 }	20.0	1255 { 128.0 }
			45	55.70	{ 5.68 }	18.0		20.3		22.5	
			50	50.13	{ 5.11 }	20.0		22.5		25.0	
			55	45.48	{ 4.65 }	22.0		24.8		27.5	
			60	41.78	{ 4.26 }	24.0		27.0		30.0	
			65	38.56	{ 3.93 }	26.0		29.3		32.5	
			70	35.81	{ 3.65 }	28.0		31.5		35.0	
			75	33.42	{ 3.41 }	30.0		33.8		37.5	
			80	31.33	{ 3.20 }	32.0		36.0		40.0	
			90	27.85	{ 2.84 }	36.0		40.5		45.0	
			100	25.07	{ 2.56 }	40.0		45.0		50.0	
			125	20.05	{ 2.04 }	50.0		56.3		62.5	
			150	16.71	{ 1.70 }	60.0		67.5		75.0	
			175	14.32	{ 1.46 }	70.0		78.8		87.5	
			200	12.53	{ 1.28 }	80.0		90.0		100.0	
			225	11.14	{ 1.14 }	90.0		101.3		112.5	
			250	10.03	{ 1.02 }	100.0		112.5		125.0	
			275	9.12	{ 0.93 }	110.0		123.8		137.5	
	300	8.36	{ 0.85 }	120.0	135.0	150.0					
	50	27.5	50	78.44	{ 8.00 }	20.0	1569 { 160.0 }	22.5	1765 { 180.0 }	25.0	1961 { 200.0 }
			55	71.31	{ 7.27 }	22.0		24.8		27.5	
			60	65.37	{ 6.67 }	24.0		27.0		30.0	
			65	60.34	{ 6.15 }	26.0		29.3		32.5	
			70	56.03	{ 5.71 }	28.0		31.5		35.0	
75			52.30	{ 5.33 }	30.0	33.8		37.5			
80			49.03	{ 5.00 }	32.0	36.0		40.0			
90			43.58	{ 4.44 }	36.0	40.5		45.0			
100			39.22	{ 4.00 }	40.0	45.0		50.0			
125			31.38	{ 3.20 }	50.0	56.3		62.5			
150			26.15	{ 2.67 }	60.0	67.5		75.0			
175			22.41	{ 2.29 }	70.0	78.8		87.5			
200			19.61	{ 2.00 }	80.0	90.0		100.0			
225			17.43	{ 1.78 }	90.0	101.3		112.5			
250			15.69	{ 1.60 }	100.0	112.5		125.0			
275			14.26	{ 1.45 }	110.0	123.8		137.5			
300	13.07	{ 1.33 }	120.0	135.0	150.0						



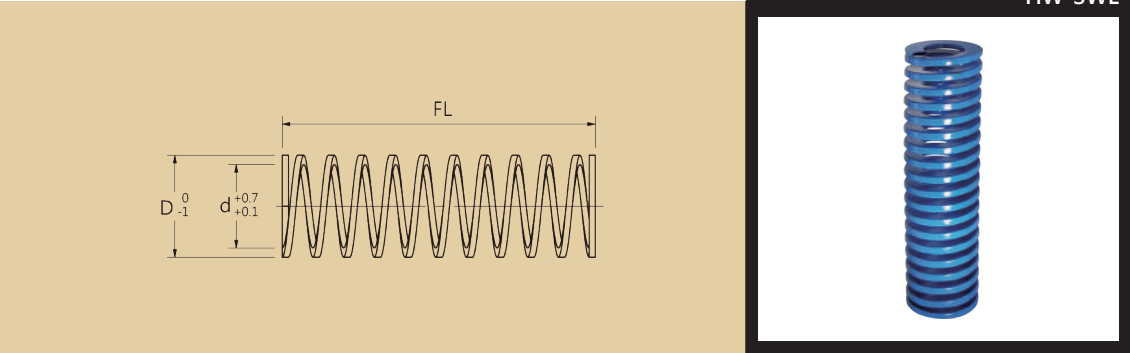
Coil Springs-Lightest Load

扁線彈簧-輕少荷重

Type	D	d	FL	Spring Constant		Free Length×40% 1,000,000 cycles		Free Length×45% 500,000 cycles		Free Length×50% 300,000 cycles	
				(N/mm)	(kgf/mm)	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }
HW-SWF	50	27.5	350	11.21	{ 1.14 }	140.0	1569 { 160.0 }	157.5	1765 { 180.0 }	175.0	1961 { 200.0 }
			400	9.81	{ 1.00 }	160.0		180.0		200.0	
			450	8.72	{ 0.89 }	180.0		202.5		225.0	
			500	7.84	{ 0.80 }	200.0		225.0		250.0	
	60	33	60	94.07	{ 9.59 }	24.0	2260 { 230.5 }	27.0	2540 { 259.0 }	30.0	2820 { 287.6 }
			70	80.63	{ 8.22 }	28.0		31.5		35.0	
			80	70.56	{ 7.19 }	32.0		36.0		40.0	
			90	62.72	{ 6.40 }	36.0		40.5		45.0	
			100	56.44	{ 5.76 }	40.0		45.0		50.0	
			125	45.16	{ 4.60 }	50.0		56.3		62.5	
			150	37.63	{ 3.84 }	60.0		67.5		75.0	
			175	32.25	{ 3.29 }	70.0		78.8		87.5	
			200	28.22	{ 2.88 }	80.0		90.0		100.0	
			225	25.09	{ 2.56 }	90.0		101.3		112.5	
			250	22.58	{ 2.30 }	100.0		112.5		125.0	
			275	20.53	{ 2.09 }	110.0		123.8		137.5	
			300	18.81	{ 1.92 }	120.0		135.0		150.0	
			350	16.13	{ 1.64 }	140.0		157.5		175.0	
			400	14.11	{ 1.44 }	160.0		180.0		200.0	
			450	12.54	{ 1.28 }	180.0		202.5		225.0	
			500	11.29	{ 1.15 }	200.0		225.0		250.0	
	70	38.5	70	114.29	{ 11.65 }	28.0	3200 { 326.3 }	31.5	3600 { 367.0 }	35.0	4000 { 407.9 }
			80	100.00	{ 10.20 }	32.0		36.0		40.0	
			90	88.89	{ 9.06 }	36.0		40.5		45.0	
			100	80.00	{ 8.16 }	40.0		45.0		50.0	
			125	64.00	{ 6.53 }	50.0		56.3		62.5	
			150	53.33	{ 5.44 }	60.0		67.5		75.0	
			175	45.71	{ 4.66 }	70.0		78.8		87.5	
			200	40.00	{ 4.08 }	80.0		90.0		100.0	
			225	35.56	{ 3.63 }	90.0		101.3		112.5	
			250	32.00	{ 3.26 }	100.0		112.5		125.0	
			275	29.09	{ 2.97 }	110.0		123.8		137.5	
			300	26.67	{ 2.72 }	120.0		135.0		150.0	
			350	22.86	{ 2.33 }	140.0		157.5		175.0	

Coil Springs-Light Load

扁線彈簧-輕荷重



Type 品名	Material 材質	Delivery 交貨日
HW-SWL	SWOSC-V 彈簧鋼	7 Working Days 7 個工作日

Type	D	d	FL	Spring Constant		Free Length×32.0% 1,000,000 cycles		Free Length×36.0% 500,000 cycles		Free Length×40.0% 300,000 cycles	
				(N/mm)	(kgf/mm)	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }	Deflection(mm)	N { kgf }
HW-SWL	8	4	10	24.53	{ 2.50 }	3.2	78.5 { 8.0 }	3.6	88.3 { 9.0 }	4.0	98.1 { 10.0 }
			15	16.35	{ 1.67 }	4.8		5.4		6.0	
			20	12.26	{ 1.25 }	6.4		7.2		8.0	
			25	9.81	{ 1.00 }	8.0		9.0		10.0	
			30	8.18	{ 0.83 }	9.6		10.8		12.0	
			35	7.01	{ 0.71 }	11.2		12.6		14.0	
			40	6.13	{ 0.63 }	12.8		14.4		16.0	
			45	5.45	{ 0.56 }	14.4		16.2		18.0	
			50	4.91	{ 0.50 }	16.0		18.0		20.0	
			55	4.46	{ 0.45 }	17.6		19.8		22.0	
			60	4.09	{ 0.42 }	19.2		21.6		24.0	
			65	3.77	{ 0.38 }	20.8		23.4		26.0	
			70	3.50	{ 0.36 }	22.4		25.2		28.0	
			75	3.27	{ 0.33 }	24.0		27.0		30.0	
			80	3.07	{ 0.31 }	25.6		28.8		32.0	
	10	5	20	17.71	{ 1.81 }	6.4	112.8 { 11.5 }	7.2	127.5 { 13.0 }	8.0	142.2 { 14.5 }
			25	14.17	{ 1.44 }	8.0		9.0		10.0	
			30	11.81	{ 1.20 }	9.6		10.8		12.0	
			35	10.12	{ 1.03 }	11.2		12.6		14.0	
			40	8.85	{ 0.90 }	12.8		14.4		16.0	
			45	7.87	{ 0.80 }	14.4		16.2		18.0	
			50	7.08	{ 0.72 }	16.0		18.0		20.0	
			55	6.44	{ 0.66 }	17.6		19.8		22.0	
			60	5.90	{ 0.60 }	19.2		21.6		24.0	
			65	5.45	{ 0.56 }	20.8		23.4		26.0	
			70	5.06	{ 0.52 }	22.4		25.2		28.0	
			75	4.72	{ 0.48 }	24.0		27.0		30.0	
	12	6	80	4.43	{ 0.45 }	25.6	166.7 { 17.0 }	28.8	186.3 { 19.0 }	32.0	206 { 21.0 }
			90	3.94	{ 0.40 }	28.8		32.4		36.0	
			20	25.88	{ 2.64 }	6.4		7.2		8.0	
			25	20.70	{ 2.11 }	8.0		9.0		10.0	
			30	17.25	{ 1.76 }	9.6		10.8		12.0	
			35	14.79	{ 1.51 }	11.2		12.6		14.0	
			40	12.94	{ 1.32 }	12.8		14.4		16.0	
			45	11.50	{ 1.17 }	14.4		16.2		18.0	
			50	10.35	{ 1.06 }	16.0		18.0		20.0	
			55	9.41	{ 0.96 }	17.6		19.8		22.0	
			60	8.63	{ 0.88 }	19.2		21.6		24.0	