

TSSWR 高たわみ用																											
COIL SPRING ULTRA HIGH DEFLECTION																											
 <table><tr><th>項目</th><th>許容差</th></tr><tr><td>荷重</td><td>±10%</td></tr><tr><td>外径の傾き</td><td>3° 以下</td></tr></table><table><tr><th>L</th><th>T 公差</th></tr><tr><td>15～50</td><td>±0.5</td></tr><tr><td>55～400</td><td>±1.5%</td></tr></table>									項目	許容差	荷重	±10%	外径の傾き	3° 以下	L	T 公差	15～50	±0.5	55～400	±1.5%							
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品番	D	L	d	ばね定数		F=Lx65%		品番	D	L	d	ばね定数		F=Lx65%													
	外径	自由長	内径	N/mm	kgf/mm	Fmm	過重N(kgf)		外径	自由長	内径	N/mm	kgf/mm	Fmm	過重N(kgf)												
TSSWR10.515	10.5	15	6	10.46	1.07	7.50	78.5 (8.0)	TSSWR17150	17	150	10.5	2.62	0.27	75.0	196.1												
TSSWR10.520		20		7.85	0.80	10.0		TSSWR17175		175		2.24	0.23	87.5	(20.0)												
TSSWR10.525		25		6.28	0.64	12.5		TSSWR2125	21	25	13.5	23.54	2.40	12.5	294.2 (30.0)												
TSSWR10.530		30		5.23	0.53	15.0		TSSWR2130		30		19.61	2.00	15.0													
TSSWR10.535		35		4.48	0.46	17.5		TSSWR2135		35		16.81	1.71	17.5													
TSSWR10.540		40		3.92	0.40	20.0		TSSWR2140		40		14.71	1.50	20.0													
TSSWR10.545		45		3.49	0.36	22.5		TSSWR2145		45		13.08	1.33	22.5													
TSSWR10.550		50		3.14	0.32	25.0		TSSWR2150		50		11.77	1.20	25.0													
TSSWR10.555		55		2.85	0.29	27.5		TSSWR2155		55		10.70	1.09	27.5													
TSSWR10.560		60		2.62	0.27	30.0		TSSWR2160		60		9.81	1.00	30.0													
TSSWR10.565		65		2.41	0.25	32.5		TSSWR2165		65		9.05	0.92	32.5													
TSSWR10.570		70		2.24	0.23	35.0		TSSWR2170		70		8.41	0.86	35.0													
TSSWR10.575		75		2.09	0.21	37.5		TSSWR2175		75		7.85	0.80	37.5													
TSSWR10.580		80		1.96	0.20	40.0		TSSWR2180		80		7.35	0.75	40.0													
TSSWR12.515	12.5	15	7	11.77	1.20	7.50	88.3 (9.0)	TSSWR2190	21	90	13.5	6.54	0.67	45.0	294.2 (30.0)												
TSSWR12.520		20		8.83	0.90	10.0		TSSWR21100		100		5.88	0.60	50.0													
TSSWR12.525		25		7.06	0.72	12.5		TSSWR21110		110		5.35	0.55	55.0													
TSSWR12.530		30		5.88	0.60	15.0		TSSWR21120		120		4.90	0.50	60.0													
TSSWR12.535		35		5.04	0.51	17.5		TSSWR21125		125		4.71	0.48	62.5													
TSSWR12.540		40		4.41	0.45	20.0		TSSWR21130		130		4.53	0.46	65.0													
TSSWR12.545		45		3.92	0.40	22.5		TSSWR21140		140		4.20	0.43	70.0													
TSSWR12.550		50		3.53	0.36	25.0		TSSWR21150		150		3.92	0.40	75.0													
TSSWR12.555		55		3.21	0.33	27.5		TSSWR21170		175		3.36	0.34	87.5													
TSSWR12.560		60		2.94	0.30	30.0		TSSWR21200		200		2.94	0.30	100.0													
TSSWR12.565		65		2.72	0.28	32.5		TSSWR2625	26	25	16.5	31.38	3.20	12.5	392.3 (40.0)												
TSSWR12.570		70		2.52	0.26	35.0		TSSWR2630		30		26.15	2.67	15.0													
TSSWR12.575		75		2.35	0.24	37.5		TSSWR2635		35		22.42	2.29	17.5													
TSSWR12.580		80		2.21	0.23	40.0		TSSWR2640		40		19.61	2.00	20.0													
TSSWR12.590	90	1.96	0.20	45.0	TSSWR2645	45	17.43	1.78	22.5																		
TSSWR12.5100	100	1.77	0.18	50.0	TSSWR2650	50	15.69	1.60	25.0																		
TSSWR14.515	14.5	15	8.5	17.00	1.73	7.50	127.5 (13.0)	TSSWR2655	26	55	16.5	14.26	1.45	27.5	392.3 (40.0)												
TSSWR14.520		20		12.75	1.30	10.0		TSSWR2660		60		13.08	1.33	30.0													
TSSWR14.525		25		10.2	1.04	12.5		TSSWR2665		65		12.07	1.23	32.5													
TSSWR14.530		30		8.50	0.87	15.0		TSSWR2670		70		11.21	1.14	35.0													
TSSWR14.535		35		7.28	0.74	17.5		TSSWR2675		75		10.46	1.07	37.5													
TSSWR14.540		40		6.37	0.65	20.0		TSSWR2680		80		9.81	1.00	40.0													
TSSWR14.545		45		5.67	0.58	22.5		TSSWR2690		90		8.72	0.89	45.0													
TSSWR14.550		50		5.10	0.52	25.0		TSSWR26100		100		7.85	0.80	50.0													
TSSWR14.555		55		4.64	0.47	27.5		TSSWR26110		110		7.13	0.73	55.0													
TSSWR14.560		60		4.25	0.43	30.0		TSSWR26120		120		6.54	0.67	60.0													
TSSWR14.565		65		3.92	0.40	32.5		TSSWR26125		125		6.28	0.64	62.5													
TSSWR14.570		70		3.64	0.37	35.0		TSSWR26130		130		6.03	0.62	65.0													
TSSWR14.575		75		3.40	0.35	37.5		TSSWR26140		140		5.60	0.57	70.0													
TSSWR14.580		80		3.19	0.33	40.0		TSSWR26150		150		5.23	0.53	75.0													
TSSWR14.590		90		2.83	0.29	45.0		TSSWR26175		175		4.48	0.46	87.5													
TSSWR14.5100		100		2.55	0.26	50.0		TSSWR26200		200		3.92	0.40	100.0													
TSSWR14.5125	125	2.04	0.21	62.5	TSSWR26225	225	3.49	0.36	112.5																		
TSSWR14.5150	150	1.70	0.17	75.0	TSSWR26250	250	3.14	0.32	125.0																		
TSSWR1720	17	20	10.5	19.61	2.00	10.0	196.1 (20.0)	TSSWR3135	31	35	21	28.02	2.86	17.5	490.3 (50.0)												
TSSWR1725		25		15.69	1.60	12.5		TSSWR3140		40		24.52	2.50	20.0													
TSSWR1730		30		13.08	1.33	15.0		TSSWR3145		45		21.79	2.22	22.5													
TSSWR1735		35		11.21	1.14	17.5		TSSWR3150		50		19.61	2.00	25.0													
TSSWR1740		40		9.81	1.00	20.0		TSSWR3155		55		17.83	1.82	27.5													
TSSWR1745		45		8.72	0.89	22.5		TSSWR3160		60		16.34	1.67	30.0													
TSSWR1750		50		7.85	0.80	25.0		TSSWR3165		65		15.09	1.54	32.5													
TSSWR1755		55		7.13	0.73	27.5		TSSWR3170		70		14.01	1.43	35.0													
TSSWR1760		60		6.54	0.67	30.0		TSSWR3175		75		13.08	1.33	37.5													
TSSWR1765		65		6.03	0.62	32.5		TSSWR3180		80		12.26	1.25	40.0													
TSSWR1770		70		5.60	0.57	35.0		TSSWR3190		90		10.90	1.11	45.0													
TSSWR1775		75		5.23	0.53	37.5		TSSWR31100		100		9.81	1.00	50.0													
TSSWR1780		80		4.90	0.50	40.0		TSSWR31110		110		8.92	0.91	55.0													
TSSWR1790		90		4.36	0.44	45.0		TSSWR31120		120		8.17	0.83	60.0													
TSSWR17100		100		3.92	0.40	50.0		TSSWR31125		125		7.85	0.80	62.5													
TSSWR17125		125		3.14	0.32	62.5		TSSWR31130		130		7.54	0.77	65.0													

品番	D 外径	L 自由長	d 内径	ばね定数		F=Lx65%		品番	D 外径	L 自由長	d 内径	ばね定数		F=Lx65%	
				N/mm	kgf/mm	Fmm	過重N(kgf)					N/mm	kgf/mm	Fmm	過重N(kgf)
TSSWR31140	31	140	21	7.00	0.71	70.0	490.3 (50.0)	TSSWR4650	46	50	33	43.15	4.40	25.0	1079 (110)
TSSWR31150		150		6.54	0.67	75.0		TSSWR4660		60		35.96	3.67	30.0	
TSSWR31160		160		6.13	0.63	80.0		TSSWR4670		70		30.82	3.14	35.0	
TSSWR31170		170		5.77	0.59	85.0		TSSWR4680		80		26.97	2.75	40.0	
TSSWR31175		175		5.60	0.57	87.5		TSSWR4690		90		23.97	2.44	45.0	
TSSWR31180		180		5.45	0.56	90.0		TSSWR46100		100		21.57	2.20	50.0	
TSSWR31190		190		5.16	0.53	95.0		TSSWR46110		110		19.61	2.00	55.0	
TSSWR31200		200		4.90	0.50	100.0		TSSWR46120		120		17.98	1.83	60.0	
TSSWR31250		250		3.92	0.40	125.0		TSSWR46125		125		17.26	1.76	62.5	
TSSWR31300		300		3.27	0.33	150.0		TSSWR46130		130		16.60	1.69	65.0	
TSSWR3735		35		33.62	3.43	17.5		TSSWR46140		140		15.41	1.57	70.0	
TSSWR3740		40		29.42	3.00	20.0		TSSWR46150		150		14.38	1.47	75.0	
TSSWR3745		45		26.15	2.67	22.5		TSSWR46175		175		12.33	1.26	87.5	
TSSWR3750		50		23.54	2.40	25.0		TSSWR46200		200		10.79	1.10	100.0	
TSSWR3755		55		21.40	2.18	27.5		TSSWR46225		225		9.59	0.98	112.5	
TSSWR3760		60		19.61	2.00	30.0		TSSWR46250		250		8.63	0.88	125.0	
TSSWR3765		65		18.10	1.85	32.5		TSSWR46275		275		7.85	0.80	137.5	
TSSWR3770		70		16.81	1.71	35.0		TSSWR46300		300		7.19	0.73	150.0	
TSSWR3775		75		15.69	1.60	37.0		TSSWR5050		50		52.96	5.40	25.0	
TSSWR3780		80		14.71	1.50	40.0		TSSWR5060		60		44.13	4.50	30.0	
TSSWR3790		90		13.08	1.33	45.0		TSSWR5070		70		37.83	3.86	35.0	
TSSWR37100		100		11.77	1.20	50.0	588.4 (60.0)	TSSWR5080		80		33.10	3.38	40.0	
TSSWR37110		110		10.70	1.09	55.0		TSSWR5090		90		29.42	3.00	45.0	
TSSWR37120		120		9.81	1.00	60.0		TSSWR50100		100		26.48	2.70	50.0	
TSSWR37125		125		9.41	0.96	62.5		TSSWR50110		110		24.07	2.45	55.0	
TSSWR37130		130		9.05	0.92	65.0		TSSWR50120		120		22.06	2.25	60.0	
TSSWR37140		140		8.41	0.86	70.0		TSSWR50130		130		20.37	2.08	65.0	
TSSWR37150		150		7.85	0.80	75.0		TSSWR50140		140		18.91	1.93	70.0	
TSSWR37160		160		7.35	0.75	80.0		TSSWR50150		150		17.65	1.80	75.0	
TSSWR37170		170		6.92	0.71	85.0		TSSWR50175		175		15.13	1.54	87.5	
TSSWR37175		175		6.72	0.69	87.5		TSSWR50200		200		13.24	1.35	100.0	
TSSWR37180		180		6.54	0.67	90.0		TSSWR50225		225		11.77	1.20	112.5	
TSSWR37190		190		6.19	0.63	95.0		TSSWR50250		250		10.59	1.08	125.0	
TSSWR37200		200		5.88	0.60	100.0		TSSWR50275		275		9.63	0.98	137.5	
TSSWR37250		250		4.71	0.48	125.0		TSSWR50300		300		8.83	0.90	150.0	
TSSWR37300		300		3.92	0.40	150.0		TSSWR50350		350		7.57	0.77	175.0	
TSSWR4350		50		33.34	3.40	25.0		TSSWR50400		400		6.62	0.68	200.0	
TSSWR4360		60		27.79	2.83	30.0									
TSSWR4370		70		23.82	2.43	35.0									
TSSWR4380		80		20.84	2.13	40.0									
TSSWR4390		90		18.52	1.89	45.0									
TSSWR43100		100		16.67	1.70	50.0									
TSSWR43110		110		15.16	1.55	55.0									
TSSWR43120		120		13.89	1.42	60.0									
TSSWR43130		130		12.82	1.31	65.0									
TSSWR43140		140		11.91	1.21	70.0									
TSSWR43150		150		11.11	1.13	75.0	833.6 (85.0)								
TSSWR43160		160		10.42	1.06	80.0									
TSSWR43170		170		9.81	1.00	85.0									
TSSWR43180		180		9.26	0.94	90.0									
TSSWR43190		190		8.77	0.89	95.0									
TSSWR43200		200		8.34	0.85	100.0									
TSSWR43225		225		7.41	0.76	112.5									
TSSWR43250		250		6.67	0.68	125.0									
TSSWR43275		275		6.06	0.62	137.5									
TSSWR43300		300		5.56	0.57	150.0									