

TSSWU 超たわみ用																											
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>55～300</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	55～300	±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)												
TSSWU10.515	10.5	15	6	7.63	0.78	9.0	68.6 (7.0)	TSSWU17100	17	100	10.5	2.45	0.25	60.0	147.1 (15.0)												
TSSWU10.520		20		5.72	0.58	12.0		TSSWU17110		110		2.23	0.23	66.0													
TSSWU10.525		25		4.58	0.47	15.0		TSSWU17120		120		2.04	0.21	72.0													
TSSWU10.530		30		3.81	0.39	18.0		TSSWU17125		125		1.96	0.20	75.0													
TSSWU10.535		35		3.27	0.33	21.0		TSSWU17150		150		1.63	0.17	90.0													
TSSWU10.540		40		2.86	0.29	24.0		TSSWU17175		175		1.40	0.14	105.0													
TSSWU10.545		45		2.54	0.26	27.0		TSSWU2125	21	25	13.5	15.04	1.53	15.0	225.6 (23.0)												
TSSWU10.550		50		2.29	0.23	30.0		TSSWU2130		30		12.53	1.28	18.0													
TSSWU10.555		55		2.08	0.21	33.0		TSSWU2135		35		10.74	1.10	21.0													
TSSWU10.560		60		1.91	0.19	36.0		TSSWU2140		40		9.40	0.96	24.0													
TSSWU10.565		65		1.76	0.18	39.0		TSSWU2145		45		8.35	0.85	27.0													
TSSWU10.570		70		1.63	0.17	42.0		TSSWU2150		50		7.52	0.77	30.0													
TSSWU10.575		75		1.53	0.16	45.0		TSSWU2155		55		6.83	0.70	33.0													
TSSWU10.580		80		1.43	0.15	48.0		TSSWU2160		60		6.27	0.64	36.0													
TSSWU12.515	12.5	15	7	8.72	0.89	9.0	78.5 (8.0)	TSSWU2165		65		5.78	0.59	39.0													
TSSWU12.520		20		6.54	0.67	12.0		TSSWU2170		70		5.37	0.55	42.0													
TSSWU12.525		25		5.23	0.53	15.0		TSSWU2175		75		5.01	0.51	45.0													
TSSWU12.530		30		4.36	0.44	18.0		TSSWU2180		80		4.70	0.48	48.0													
TSSWU12.535		35		3.74	0.38	21.0		TSSWU2190		90		4.18	0.43	54.0													
TSSWU12.540		40		3.27	0.33	24.0		TSSWU21100		100		3.76	0.38	60.0													
TSSWU12.545		45		2.91	0.30	27.0		TSSWU21110	110	3.42	0.35	66.0															
TSSWU12.550		50		2.62	0.27	30.0		TSSWU21120	120	3.13	0.32	72.0															
TSSWU12.555		55		2.38	0.24	33.0		TSSWU21125	125	3.01	0.31	75.0															
TSSWU12.560		60		2.18	0.22	36.0		TSSWU21130	130	2.89	0.29	78.0															
TSSWU12.565		65		2.01	0.21	39.0		TSSWU21140	140	2.69	0.27	84.0															
TSSWU12.570		70		1.87	0.19	42.0		TSSWU21150	150	2.51	0.26	90.0															
TSSWU12.575		75		1.74	0.18	45.0		TSSWU21170	175	2.15	0.22	105.0															
TSSWU12.580		80		1.63	0.17	48.0		TSSWU21200	200	1.88	0.19	120.0															
TSSWU12.590	90	1.45	0.15	54.0	TSSWU2630	26	30	16.5	16.34	1.67	18.0	294.3 (30.0)															
TSSWU12.5100	100	1.31	0.13	60.0	TSSWU2635		35		14.01	1.43	21.0																
TSSWU14.515	14.5	15	8.5	10.90	1.11		9.0		98.1 (10.0)	TSSWU2640	40		12.26	1.25	24.0												
TSSWU14.520		20		8.17	0.83		12.0			TSSWU2645	45		10.9	1.11	27.0												
TSSWU14.525		25		6.54	0.67		15.0			TSSWU2650	50		9.81	1.00	30.0												
TSSWU14.530		30		5.45	0.56		18.0			TSSWU2655	55		8.92	0.91	33.0												
TSSWU14.535		35		4.67	0.48		21.0			TSSWU2660	60		8.17	0.83	36.0												
TSSWU14.540		40		4.09	0.42		24.0			TSSWU2665	65		7.54	0.77	39.0												
TSSWU14.545		45		3.63	0.37		27.0			TSSWU2670	70		7.00	0.71	42.0												
TSSWU14.550		50		3.27	0.33		30.0			TSSWU2675	75		6.54	0.67	45.0												
TSSWU14.555		55		2.97	0.30		33.0			TSSWU2680	80		6.13	0.63	48.0												
TSSWU14.560		60		2.72	0.28		36.0			TSSWU2690	90		5.45	0.56	54.0												
TSSWU14.565		65		2.51	0.26		39.0			TSSWU26100	100		4.90	0.50	60.0												
TSSWU14.570		70		2.33	0.24		42.0			TSSWU26110	110		4.46	0.45	66.0												
TSSWU14.575		75		2.18	0.22	45.0	TSSWU26120	120		4.09	0.42	72.0															
TSSWU14.580		80		2.04	0.21	48.0	TSSWU26125	125		3.92	0.40	75.0															
TSSWU14.590		90		1.82	0.19	54.0	TSSWU26130	130		3.77	0.38	78.0															
TSSWU14.5100		100		1.63	0.17	60.0	TSSWU26140	140		3.50	0.36	84.0															
TSSWU14.5110	110	1.49	0.15	66.0	TSSWU26150	150	3.27	0.33	90.0																		
TSSWU14.5120	120	1.36	0.14	72.0	TSSWU26175	175	2.80	0.29	105.0																		
TSSWU14.5125	125	1.31	0.13	75.0	TSSWU26200	200	2.45	0.25	120.0																		
TSSWU14.5150	150	1.09	0.11	90.0	TSSWU26225	225	2.18	0.22	135.0																		
TSSWU1720	17	20	10.5	12.26	1.25	12.0	147.1 (15.0)	TSSWU26250	31	250	21	1.96	0.20	150.0	372.7 (38.0)												
TSSWU1725		25		9.81	1.00	15.0		TSSWU3135		35		17.75	1.81	21.0													
TSSWU1730		30		8.17	0.83	18.0		TSSWU3140		40		15.53	1.58	24.0													
TSSWU1735		35		7.00	0.71	21.0		TSSWU3145		45		13.80	1.41	27.0													
TSSWU1740		40		6.13	0.63	24.0		TSSWU3150		50		12.42	1.27	30.0													
TSSWU1745		45		5.45	0.56	27.0		TSSWU3155		55		11.29	1.15	33.0													
TSSWU1750		50		4.90	0.50	30.0		TSSWU3160		60		10.35	1.06	36.0													
TSSWU1755		55		4.46	0.45	33.0		TSSWU3165		65		9.56	0.97	39.0													
TSSWU1760		60		4.09	0.42	36.0		TSSWU3170		70		8.87	0.90	42.0													
TSSWU1765		65		3.77	0.38	39.0		TSSWU3175		75		8.28	0.84	45.0													
TSSWU1770		70		3.50	0.36	42.0		TSSWU3180		80		7.76	0.79	48.0													
TSSWU1775		75		3.27	0.33	45.0		TSSWU3190		90		6.90	0.70	54.0													
TSSWU1780		80		3.06	0.31	48.0		TSSWU31100		100		6.21	0.63	60.0													
TSSWU1790		90		2.72	0.28	54.0		TSSWU31110		110		5.65	0.58	66.0													

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)
TSSWU31120	31	120	21	5.18	0.53	72.0	372.7 (38.0)	TSSWU37250	37	250	26	3.07	0.31	150.0	460.9 (47.0)
TSSWU31125		125		4.97	0.51	75.0		TSSWU37275		275		2.79	0.28	165.0	
TSSWU31130		130		4.78	0.49	78.0		TSSWU37300		300		2.56	0.26	180.0	
TSSWU31140		140		4.44	0.45	84.0		TSSWU4350	43	50	31	19.61	2.00	30.0	588.4 (60.0)
TSSWU31150		150		4.14	0.42	90.0		TSSWU4360		60		16.34	1.67	36.0	
TSSWU31160		160		3.88	0.40	96.0		TSSWU4370		70		14.01	1.43	42.0	
TSSWU31170		170		3.65	0.37	102.0		TSSWU4380		80		12.26	1.25	48.0	
TSSWU31175		175		3.55	0.36	105.0		TSSWU4390		90		10.90	1.11	54.0	
TSSWU31180		180		3.45	0.35	108.0		TSSWU43100		100		9.81	1.00	60.0	
TSSWU31190		190		3.27	0.33	114.0		TSSWU43110		110		8.92	0.91	66.0	
TSSWU31200		200		3.11	0.32	120.0		TSSWU43120		120		8.17	0.83	72.0	
TSSWU31250		250		2.48	0.25	150.0		TSSWU43130		130		7.54	0.77	78.0	
TSSWU31300		300		2.07	0.21	180.0		TSSWU43140		140		7.00	0.71	84.0	
TSSWU3740	37	40	26	19.20	1.96	24.0	460.9 (47.0)	TSSWU43150		150		6.54	0.67	90.0	
TSSWU3745		45		17.07	1.74	27.0		TSSWU43160		160		6.13	0.63	96.0	
TSSWU3750		50		15.36	1.57	30.0		TSSWU43170		170		5.77	0.59	102.0	
TSSWU3755		55		13.97	1.42	33.0		TSSWU43180		180		5.45	0.56	108.0	
TSSWU3760		60		12.80	1.31	36.0		TSSWU43190		190		5.16	0.53	114.0	
TSSWU3765		65		11.82	1.21	39.0		TSSWU43200		200		4.90	0.50	120.0	
TSSWU3770		70		10.97	1.12	42.0		TSSWU43225		225		4.36	0.44	135.0	
TSSWU3775		75		10.24	1.04	45.0		TSSWU43250		250		3.92	0.40	150.0	
TSSWU3780		80		9.60	0.98	48.0		TSSWU43275		275		3.57	0.36	165.0	
TSSWU3790		90		8.54	0.87	54.0		TSSWU43300		300		3.27	0.33	180.0	
TSSWU37100		100		7.68	0.78	60.0									
TSSWU37110		110		6.98	0.71	66.0									
TSSWU37120		120		6.40	0.65	72.0									
TSSWU37130		130		5.91	0.60	78.0									
TSSWU37140		140		5.49	0.56	84.0									
TSSWU37150		150		5.12	0.52	90.0									
TSSWU37160		160		4.80	0.49	96.0									
TSSWU37170		170		4.52	0.46	102.0									
TSSWU37180		180		4.27	0.44	108.0									
TSSWU37190		190		4.04	0.41	114.0									
TSSWU37200		200		3.84	0.39	120.0									
TSSWU37225		225		3.41	0.35	135.0									