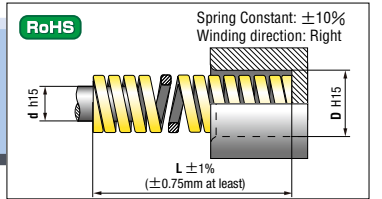
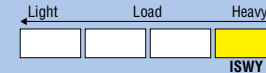




COIL SPRINGS ISO 10243

— ISWY —



D Hole Diameter	d Rod Diameter	L Free Length	Spring constant N/mm (kgf/mm)	F=Lx17%		F=Lx20%		F=Lx22.5%		F=Lx25%		Catalog No.	Base unit price						
				Fmm	Load N (kgf)	Fmm	Load N (kgf)	Fmm	Load N (kgf)	Fmm	Load N (kgf)								
Operation count				3,000,000		1,500,000		500,000		200,000		Type D—L	1 ~ 19 pieces						
10	5	25	36.8	3.7	4.3	158	16.1	5	184	18.75	5.6			207	21.09	6.3	232	23.64	ISWY10— 25
		32	27.9	2.8	5.4	151	15.39	6.4	179	18.24	7.2	201	20.48	8	223	22.72	32		
		38	23.7	2.4	6.5	154	15.69	7.6	180	18.34	8.6	203	20.69	9.5	225	22.93	38		
		44	19.2	2	7.5	144	14.67	8.8	169	17.22	9.9	190	19.36	11	211	21.5	44		
		51	16.5	1.7	8.7	144	14.67	10.2	168	17.12	11.5	189	19.26	12.8	211	21.5	51		
		64	13.2	1.3	10.9	144	14.67	12.8	169	17.22	14.4	190	19.36	16	211	21.5	64		
		76	10.9	1.1	12.9	141	14.37	15.2	166	16.92	17.1	186	18.95	19	207	21.09	76		
		305	2.6	0.3	51.9	135	13.76	61	159	16.2	68.6	178	18.14	76.3	198	20.18	305		
		12.5	6.3	25	58.5	6	4.3	252	25.68	5	293	29.86	5.6	329	33.53	6.3	369	37.6	ISWY12.5— 25
				32	43.9	4.5	5.4	237	24.15	6.4	281	28.63	7.2	316	32.2	8	351	35.77	32
38	36			3.7	6.5	234	23.84	7.6	274	27.92	8.6	308	31.39	9.5	342	34.85	38		
44	30.3			3.1	7.5	227	23.13	8.8	267	27.21	9.9	300	30.57	11	333	33.93	44		
51	26.2			2.7	8.7	228	23.23	10.2	267	27.21	11.5	301	30.67	12.8	335	34.14	51		
64	21.2			2.2	10.9	231	23.54	12.8	271	27.61	14.4	305	31.08	16	339	34.54	64		
76	17.1			1.7	12.9	221	22.52	15.2	260	26.49	17.1	292	29.75	19	325	33.12	76		
89	14.5			1.5	15.1	219	22.32	17.8	258	26.29	20	290	29.55	22.3	323	32.91	89		
102	12.7			1.3	17.3	220	22.42	20.4	259	26.39	23	291	29.65	25.5	324	33.02	102		
305	4.3			0.4	51.9	223	22.72	61	262	26.7	68.6	295	30.06	76.3	328	33.42	305		
16	8	25	118	12	4.3	507	51.66	5	590	60.12	5.6	664	67.66	6.3	743	75.71	ISWY16— 25		
		32	89	9.1	5.4	481	49.01	6.4	570	58.08	7.2	641	65.32	8	712	72.55	32		
		38	72.1	7.3	6.5	469	47.79	7.6	548	55.84	8.6	616	62.77	9.5	685	69.8	38		
		44	60.9	6.2	7.5	457	46.57	8.8	536	54.62	9.9	603	61.45	11	670	68.27	44		
		51	52.3	5.3	8.7	455	46.36	10.2	533	54.31	11.5	600	61.14	12.8	669	68.17	51		
		64	41.2	4.2	10.9	449	45.75	12.8	527	53.7	14.4	593	60.43	16	659	67.15	64		
		76	34.1	3.5	12.9	440	44.84	15.2	518	52.78	17.1	583	59.41	19	648	66.03	76		
		89	29.5	3	15.1	445	45.35	17.8	525	53.5	20	591	60.22	22.3	658	67.05	89		
		102	25.6	2.6	17.3	443	45.14	20.4	522	53.19	23	588	59.92	25.5	653	66.54	102		
		305	8.4	0.9	51.9	436	44.43	61	512	52.17	68.6	576	58.69	76.3	641	65.32	305		
20	10	25	293	29.9	4.3	1260	128.39	5	1465	149.28	5.6	1648	167.93	6.3	1846	188.11	ISWY20— 25		
		32	224	22.8	5.4	1210	123.3	6.4	1434	146.12	7.2	1613	164.36	8	1792	182.6	32		
		38	177	18	6.5	1151	117.29	7.6	1345	137.06	8.6	1513	154.17	9.5	1682	171.4	38		
		44	149	15.2	7.5	1118	113.92	8.8	1311	133.59	9.9	1475	150.3	11	1639	167.01	44		
		51	128	13	8.7	1114	113.52	10.2	1306	133.08	11.5	1469	149.69	12.8	1638	166.91	51		
		64	99	10.1	10.9	1079	109.95	12.8	1267	129.11	14.4	1426	145.31	16	1584	161.41	64		
		76	81.7	8.3	12.9	1054	107.4	15.2	1242	126.56	17.1	1397	142.35	19	1552	158.15	76		
		89	69.5	7.1	15.1	1049	106.89	17.8	1237	126.05	20	1392	141.84	22.3	1550	157.95	89		
		102	60.6	6.2	17.3	1048	106.79	20.4	1236	125.95	23	1391	141.74	25.5	1545	157.44	102		
		305	53	5.4	19.6	1039	105.87	23	1219	124.22	25.9	1371	139.7	28.8	1526	155.5	305		
25	12.5	25	459	46.8	4.3	1974	201.15	5	2295	233.86	5.6	2582	263.11	6.3	2892	294.69	ISWY25— 25		
		32	374	38.1	5.4	2020	205.84	6.4	2394	243.95	7.2	2693	274.42	8	2992	304.88	32		
		38	300	30.6	6.5	1950	198.71	7.6	2280	232.33	8.6	2580	262.9	9.5	2850	290.42	38		
		44	244	24.9	7.5	1830	186.48	8.8	2147	218.78	9.9	2416	246.19	11	2684	273.5	44		
		51	208	21.2	8.7	1810	184.44	10.2	2122	216.23	11.5	2392	243.74	12.8	2662	271.26	51		
		64	161	16.4	10.9	1755	178.83	12.8	2061	210.02	14.4	2318	236.2	16	2576	262.49	64		
		76	131	13.3	12.9	1690	172.21	15.2	1991	202.88	17.1	2240	228.26	19	2489	253.63	76		
		89	111	11.3	15.1	1676	170.78	17.8	1976	201.35	20	2220	226.22	22.3	2475	252.2	89		
		102	96.3	9.8	17.3	1666	169.77	20.4	1965	200.23	23	2210	225.2	25.5	2456	250.27	102		
		305	85.7	8.7	19.6	1680	171.19	23	1971	200.84	25.9	2217	225.91	28.8	2468	251.49	305		
305	305	127	76.3	7.8	21.6	1648	167.93	25.4	1938	197.48	28.6	2180	222.14	31.8	2426	247.21	127		
		139	66	6.7	23.8	1571	160.08	28	1848	188.31	31.3	2066	210.53	35	2310	235.39	139		
		152	63.5	6.5	25.8	1638	166.91	30.4	1930	196.67	34.2	2172	221.33	38	2413	245.88	152		
		178	53.9	5.5	30.3	1633	166.4	35.6	1919	195.55	40.1	2159	220	44.5	2399	244.46	178		
		203	47	4.8	34.5	1622	165.28	40.6	1908	194.43	45.7	2147	218.78	50.8	2388	243.34	203		
		305	30.9	3.1	51.9	1604	163.45	61	1885	192.08	68.6	2121	216.13	76.3	2358	240.28	305		

D Hole Diameter	d Rod Diameter	L Free Length	Spring constant N/mm (kgf/mm)	F=Lx17%		F=Lx20%		F=Lx22.5%		F=Lx25%		Catalog No.	Base unit price				
				Fmm	Load N (kgf)	Fmm	Load N (kgf)	Fmm	Load N (kgf)	Fmm	Load N (kgf)						
Operation count				3,000,000		1,500,000		500,000		200,000		Type D—L	1 ~ 19 pieces				
32	16	38	480	48.9	6.5	3120	317.9	7.6	3648	371.7	8.6			4128	420.6	9.5	4560
		44	390	39.7	7.5	2925	298.1	8.8	3432	349.7	9.9	3861	393.4	11	4290	437.2	44
		51	320	32.6	8.7	2784	283.7	10.2	3264	332.6	11.5	3680	375	12.8	4096	417.4	51
		64	269	27.4	10.9	2934	299	12.8	3446	351.1	14.4	3876	395	16	4307	438.9	64
		76	219	22.3	12.9	2825	287.9	15.2	3329	339.2	17.1	3745	381.6	19	4161	424	76
		89	180	18.3	15.1	2723	277.5	17.8	3209	327	20	3611	368	22.3	4021	409.7	89
		102	155	15.8	17.3	2682	273.3	20.4	3162	322.2	23	3557	362.5	25.5	3953	402.8	102
		115	140	14.3	19.6	2744	279.6	23	3220	328.1	25.9	3623	369.2	28.8	4032	410.9	115
		127	124	12.6	21.6	2678	272.9	25.4	3150	321	28.6	3543	361	31.8	3943	401.8	127
		139	112	11.4	23.8	2673	272.4	28	3144	320.4	31.3	3512	357.9	35	3931	400.6	139
40	20	152	102	10.4	25.8	2632	268.2	30.4	3101	316	34.2	3488	355.4	38	3876	395	152
		178	88.2	9	30.3	2672	272.3	35.6	3140	320	40.1	3532	359.9	44.5	3925	400	178
		203	76	7.7	34.5	2622	267.2	40.6	3086	314.5	45.7	3471	353.7	50.8	3861	393.4	203
		254	60.8	6.2	43.2	2627	267.7	50.8	3089	314.8	57.2	3475	354.1	63.5	3861	393.4	254
		305	49	5	51.9	2543	259.1	61	2989	304							