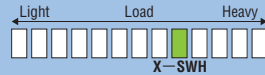
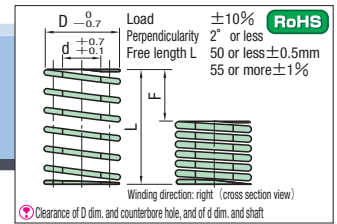


COIL SPRINGS

—HEAVY LOAD X-SWH—



PRINTED IN RED



D	d	L	Spring constant		F=LX19.2%		F=LX21.6%		Catalogue No.
			N/mm (kgf/mm)	Fmm	Load N (kgf)	Fmm	Load N (kgf)	Type D-L	
8	4	10	85.8	8.8	1.9	2.2	165 (17)	185 (19)	X—SWH 8 — 10
		15	57.2	5.8	2.9	3.2			
		20	42.9	4.4	3.8	4.3			
		25	34.3	3.5	4.8	5.4			
		30	28.6	2.9	5.8	6.5			
		35	24.5	2.5	6.7	7.5			
		40	21.5	2.2	7.7	8.6			
		45	19.1	1.9	8.6	9.7			
		50	17.2	1.8	9.6	10.8			
		55	15.6	1.6	10.6	11.8			
		60	14.3	1.5	11.5	13.0			
		65	13.2	1.3	12.5	14.0			
		70	12.3	1.3	13.4	15.1			
		75	11.4	1.2	14.4	16.2			
80	10.7	1.1	15.4	17.3					

D	d	L	Spring constant		F=LX19.2%		F=LX21.6%		Catalogue No.
			N/mm (kgf/mm)	Fmm	Load N (kgf)	Fmm	Load N (kgf)	Type D-L	
16	8	20	157.0	16.0	3.8	4.3	604 (62)	680 (69)	X—SWH16 — 20
		25	126.0	12.8	4.8	5.4			
		30	105.0	10.7	5.8	6.5			
		35	89.9	9.2	6.7	7.5			
		40	78.6	8.0	7.7	8.6			
		45	69.9	7.1	8.6	9.7			
		50	62.9	6.4	9.6	10.8			
		55	57.2	5.8	10.6	11.8			
		60	52.4	5.3	11.5	13.0			
		65	48.4	4.9	12.5	14.0			
		70	44.9	4.6	13.4	15.1			
		75	41.9	4.3	14.4	16.2			
		80	39.3	4.0	15.4	17.3			
		90	35.0	3.6	17.3	19.4			
100	31.5	3.2	19.2	21.6					

D	d	L	Spring constant		F=LX19.2%		F=LX21.6%		Catalogue No.
			N/mm (kgf/mm)	Fmm	Load N (kgf)	Fmm	Load N (kgf)	Type D-L	
25	12.5	25	306.0	31.2	4.8	5.4	1466 (150)	1650 (168)	X—SWH25 — 25
		30	255.0	26.0	5.8	6.5			
		35	218.0	22.3	6.7	7.6			
		40	191.0	19.5	7.7	8.6			
		45	170.0	17.3	8.6	9.7			
		50	153.0	15.6	9.6	10.8			
		55	139.0	14.2	10.6	11.9			
		60	127.0	13.0	11.5	13.0			
		65	118.0	12.0	12.5	14.0			
		70	109.0	11.1	13.4	15.1			
		75	102.0	10.4	14.4	16.2			
		80	95.5	9.7	15.4	17.3			
		90	84.9	8.7	17.3	19.4			
		100	76.4	7.8	19.2	21.6			
125	61.1	6.2	24.0	27.0					
150	50.9	5.2	28.8	32.4					
175	43.6	4.5	33.6	37.8					

D	d	L	Spring constant		F=LX19.2%		F=LX21.6%		Catalogue No.
			N/mm (kgf/mm)	Fmm	Load N (kgf)	Fmm	Load N (kgf)	Type D-L	
40	20	40	490.0	50.0	7.7	8.6	3763 (384)	4234 (432)	X—SWH40 — 40
		45	436.0	44.4	8.6	9.7			
		50	392.0	40.0	9.6	10.8			
		55	356.0	36.3	10.6	11.9			
		60	327.0	33.3	11.5	13.0			
		65	302.0	30.7	12.5	14.0			
		70	280.0	28.6	13.4	15.1			
		75	261.0	26.6	14.4	16.2			
		80	245.0	25.0	15.4	17.3			
		90	218.0	22.2	17.3	19.4			
		100	196.0	20.0	19.2	21.6			
		125	157.0	16.0	24.0	27.0			
		150	131.0	13.3	28.8	32.4			
		175	112.0	11.4	33.6	37.8			
200	98.0	10.0	38.4	43.2					
225	87.1	8.9	43.2	48.6					
250	78.4	8.0	48.0	54.0					
275	71.3	7.3	52.8	59.4					
300	65.3	6.7	57.6	64.8					

● Load calculation method: Load=Spring constant×Deflection
 (SI unit) N=N/mm×Fmm
 kgf=kg/mm×Fmm
 (kgf=N×0.101972)

Order Example **Catalogue No.** X—SWH 20—30

Stock availability
 Red : SGP stock
 Grey : Not available

Delivery **SGP Stock**

● Printed in Red

● For area out of Singapore, please refer to P.I.

The sizes in grey are not available. If you would like MISUMI to stock any particular size please contact us misumi_pm@misumi.com.sg

Product Line-up
 Instructions and precautions for the use of coil springs