



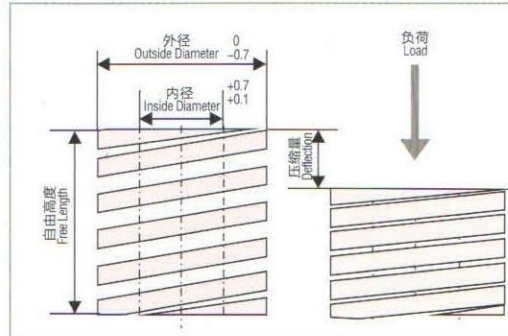
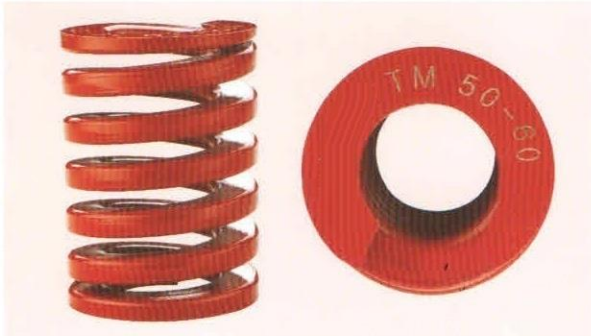
LÒ XO KHUÔN MẪU THT

Die Springs

中负荷(TM) Medium Load(TM)



CÔNG TY TNHH CÔNG NGHIỆP THT VIỆT NAM
 VPGD: Số 37/663 Lĩnh Nam, Hoàng Mai, TP. Hà Nội
 STK: 0107 5186 001 ngân hàng TP Bank - CN Hoàn Kiếm - PGD Nam Hà Nội
 Tel: 024.32247126 ; DĐ: 0961 640 166 ; Mail: congnghieptht@gmail.com



- 负荷的计算公式
负荷 (N) = 弹簧刚度 × 压缩量 (mm)
- Load Calculation Formula
Load (N) = Spring constant × Deflection (mm)

材料的性质: SWOSC-V同等
Material: Equivalent to SWOSC-V

型号: 中负荷
Type: Medium Load

涂沫色: 红色
Color: Blue

最大压缩量的计算公式
最大压缩量 (mm) = 自由高度 - 密着高度

Maximum Deflection Calculation Formula
Maximum deflection (mm) = Free length — Solid length

Allowable Tolerance of MINGLI Spring **THT VIET NAM** www.congnghieptht.com

外径 Outside Diameter		内径 Inside Diameter		自由高度 Free Length		负荷 Load	垂直度 Squarness	旋向 Winding Direction
60mm 以下 60mm or less	70mm 以上 70mm or more	33mm 以下 33mm or less	38.5mm 以上 38.5mm or more	50mm 以下 50mm or less	55mm 以上 55mm or more			
+0.0mm -0.7mm	+0.0mm -1.0mm	+0.7mm +0.1mm	-0.0mm +1.0mm	± 0.5mm	± 1%	± 10%	2° 以下 Angle 2° or less	右旋 Right Hand

中负荷的弹簧刚度以及使用次数和负荷的关系 Relation of Spring Constant and Using Times to Load (Medium Load)

自由高度 Free Length	外径 Outside Diameter																
	6	8	10	12	14	16	18	20	22	25	27	30	35	40	50	60	70
15	20.40	28.34	40.89	59.23													
20	15.30	21.28	30.69	44.42	59.72	78.16	99.64	122.58									
25	12.26	17.06	24.52	35.50	47.76	62.66	79.63	98.07	118.95	153.28	178.97	220.65					
30	10.20	14.22	20.40	29.62	39.81	52.17	66.39	81.69	99.05	127.68	149.06	183.87					
35	8.73	12.16	17.46	25.30	34.13	44.62	56.88	70.02	84.83	109.83	127.88	157.89					
40	7.65	10.69	15.30	22.26	29.81	39.03	49.72	61.29	74.24	95.71	111.80	137.88	187.70	245.36			
45	6.77	9.51	13.53	19.71	26.48	34.72	44.23	54.43	66.10	85.12	99.44	122.58	166.81	218.30			
50	6.18	8.53	12.26	17.75	23.83	31.19	39.81	49.03	59.43	76.59	89.44	110.32	150.14	196.13	306.46		
55	5.59	7.75	11.08	16.08	21.67	28.34	36.19	44.52	53.94	69.63	81.39	100.32	136.51	177.99	278.61		
60	5.10	7.06	10.20	14.81	19.91	25.99	33.15	40.80	49.52	63.84	74.53	91.89	125.31	162.79	255.36	366.77	
65		6.57	9.41	13.63	18.34	24.03	30.60	37.66	45.70	58.84	68.65	84.83	115.42	151.02	235.75		
70		6.08	8.73	12.65	17.06	22.26	28.44	35.01	42.46	54.72	63.84	78.75	107.19	140.04	218.88	314.79	371.67
75		5.69	8.14	11.77	15.89	20.69	26.48	32.66	39.62	51.09	59.62	73.55	100.03	130.82	204.27		
80		5.30	7.65	11.08	14.91	19.52	24.18	30.60	37.07	47.86	55.90	68.94	93.85	122.58	191.52	275.76	325.58
90			6.86	9.90	13.24	17.36	22.06	27.16	32.95	42.56	49.62	61.29	83.36	108.95	170.24	245.17	289.30
100					11.96	15.59	19.81	24.52	29.71	38.25	44.72	55.11	75.02	98.07	153.18	220.65	259.88
125								19.61	23.73	30.60	35.79	44.13	60.02	78.45	122.58	176.52	207.90
150								16.38	19.71	25.50	29.81	36.77	50.01	65.31	102.09	147.10	173.58
175										21.87	25.60	31.48	42.85	56.00	87.47	126.01	149.06
200												27.56	37.46	49.03	76.59	110.32	130.43
225														43.54	68.06	98.07	
250														39.23	61.29	88.16	103.95
275														35.70	55.70	80.22	
300														32.66	50.99	73.45	86.79
内径 Inside Diameter	3	4	5	6	7	8	9	10	11	12.5	13.5	15	17.5	20	25	30	38.5

压缩量 Deflection (mm)		
30万次 300,000 times	50万次 500,000 times	100万次 1,000,000 times
4.80	4.30	
6.40	5.80	
8.00	7.20	
9.60	8.60	
11.20	10.10	
12.80	11.50	
14.40	13.00	
16.00	14.40	
17.60	15.80	
19.20	17.30	
20.80	18.70	
22.40	20.20	
24.00	21.60	
25.60	23.00	
28.80	25.90	
32.00	28.80	
40.00	36.00	
48.00	43.20	
56.00	50.40	
64.00	57.60	
72.00	64.80	
80.00	72.00	
88.00	79.20	
96.00	86.40	

在表中: 弹簧刚度 (N/mm)
Table Ref: Spring Constant (N/mm)

负荷N (kgf) Load N (kgf)

30万次	98.0	127.3	196.1	284.4	382.5	500.1	637.4	784.5	951.2	1225.8	1421.8	1765.2	2402.6	3128.1	4002.2	5060.8	6320.0
------	------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------

使用次数
Using Times

压缩量(自由
Deflection (Free Length)