



LÒ XO KHUÔN MẪU THT

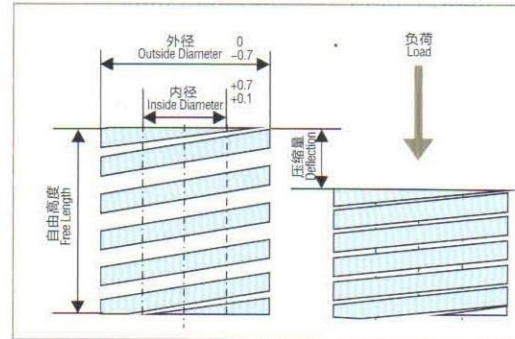
Die Springs

轻负荷(TL) Light Load(TL)



CÔNG TY TNHH CÔNG NGHIỆP THT VIỆT NAM

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- 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: 轻负荷
Type: Light Load

涂沫色: 蓝色
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 - Squared length

的公差 Allowable Tolerance (mm)

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外径 Outside Diameter		内径 Inside Diameter		自由高度 Free Length		负荷 Load	垂直度 Squareness	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

轻小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 (Light 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	70
15	13.04	16.38	22.85	34.32												
20	9.81	12.26	17.75	25.79	34.32	42.95	52.76	66.19								
25	7.85	9.81	14.22	20.59	27.46	34.32	42.17	52.96	65.70	82.38	98.07	118.76				
30	6.57	8.14	11.87	17.16	22.95	28.64	35.11	44.13	54.92	68.65	81.69	98.85				
35	5.59	6.96	10.10	14.71	19.61	24.52	30.11	37.85	47.07	58.84	70.02	84.83				
40	4.90	6.18	8.83	12.94	17.16	21.48	26.38	33.15	41.19	51.48	61.29	74.14	101.11	132.39		
45		5.49	7.85	11.47	15.30	19.12	23.44	29.42	36.48	45.80	54.52	66.00	89.93	117.68		
50		4.90	7.16	10.30	13.73	17.16	21.08	26.48	32.85	41.19	49.03	59.33	80.90	105.91	165.63	
55		4.51	6.47	9.41	12.45	15.69	19.22	24.03	29.91	37.46	44.62	53.94	73.55	96.30	150.53	
60		4.12	5.88	8.63	11.47	14.32	17.55	22.06	27.46	34.32	40.89	49.43	67.37	88.26	138.08	198.58
65		3.73	5.39	7.94	10.59	13.24	16.28	20.40	25.30	31.68	37.76	45.60	62.27	81.49	127.39	
70		3.53	5.00	7.35	9.81	12.26	15.10	18.93	23.54	29.42	35.01	42.36	57.76	75.61	118.37	170.17
75		3.24	4.71	6.86	9.12	11.47	14.12	17.65	21.87	27.46	32.66	39.52	53.94	70.61	110.42	
80		3.04	4.41	6.47	8.53	10.79	13.24	16.57	20.59	25.79	30.69	37.07	50.50	66.19	103.56	148.86
90			3.92	5.69	7.55	9.61	11.77	14.71	18.24	22.85	27.26	32.95	44.91	58.84	91.99	132.39
100				6.86	8.63	10.49	13.24	16.48	20.59	24.52	29.62	40.40	52.96	82.87	119.15	149.06
125					6.86	8.43	10.59	13.14	16.48	19.61	23.73	32.36	42.36	66.29	95.32	119.64
150						8.83	10.98	13.73	16.38	19.71	26.97	36.30	55.21	79.43	100.03	
175								11.77	14.02	16.87	23.05	30.20	47.27	68.06	85.42	
200								10.30	12.26	14.81	20.20	26.48	41.38	59.53	74.73	
225												23.54	36.77	52.96		
250												21.18	33.15	47.66	59.82	
275												19.22	30.11	3.35,		
300												17.65	27.56	39.72	49.82	
内径 Inside Diameter	3	4	5	6	7	8	9	10	11	12.5	13.5	15	17.5	20	25	38.5

压缩量 Deflection (mm)		1.0
30万次 300,000 times	50万次 500,000 times	
6.00	5.40	
8.00	7.20	
10.00	9.00	
12.00	10.80	
14.00	12.60	
16.00	14.40	
18.00	16.20	
20.00	18.00	
22.00	19.80	
24.00	21.60	
26.00	23.40	
28.00	25.20	
30.00	27.00	
32.00	28.80	
36.00	32.40	
40.00	36.00	
50.00	45.00	
60.00	54.00	
70.00	63.00	
80.00	72.00	
90.00	81.00	
100.00	90.00	
110.00	99.00	
120.00	108.00	

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

负荷N (kgf) Load N (kgf)

使用次数 压缩量(自