



LÒ XO KHUÔN MẪU THT

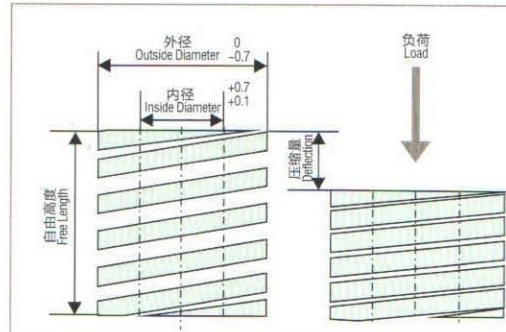
Die Springs

重负荷(TH) Heavy Load(TH)



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 x 压缩量 (mm)
- Load Calculation Formula
Load (N) = Spring constant x Deflection (mm)

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

型号: 重负荷
Type: Heavy Load

涂沫色: 绿色
Color: Green

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 THT VIET NAM www.congnghiptht.com

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
		50mm 以下 50mm or less	55mm 以上 55mm or more			
+0.0mm -0.7mm	+0.7mm -0.1mm	± 0.5mm	± 1%	± 10%	2° 以下 Angle 2° or less	右旋 Right Hand

重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
15	38.25	57.47	81.39	116.70												
20	28.44	43.15	61.29	87.28	120.52	157.30	198.19	245.17								
25	22.56	34.52	49.03	69.63	96.40	125.82	158.47	196.13	236.93	305.97	356.96	441.30				
30	18.63	28.73	40.80	58.55	80.32	104.83	132.10	163.38	197.41	254.68	298.22	367.75				
35	16.67	24.61	35.01	50.11	68.84	89.83	113.17	140.04	169.65	219.47	256.93	316.36				
40	14.71	21.57	30.89	43.84	60.21	78.65	99.05	122.58	148.08	190.93	223.69	275.76	374.81	490.33		
45	12.75	19.12	27.16	39.03	53.54	69.82	88.06	108.95	131.41	170.64	199.07	245.17	333.23	435.81		
50	11.77	17.26	24.52	35.11	48.15	62.86	79.24	98.07	118.46	152.79	178.97	220.65	299.89	392.26	612.91	
55	10.79	15.69	22.26	31.87	43.74	57.17	71.98	89.14	107.28	139.25	161.81	200.05	272.62	356.57	557.21	
60	9.81	14.42	20.40	29.22	40.11	52.37	66.00	81.69	98.65	127.29	149.06	183.87	249.87	326.85	510.73	735.50
65		13.24	18.83	26.87	37.07	48.35	60.90	75.41	91.01	117.68	137.29	169.65	230.75	301.75	471.50	
70		12.36	17.55	24.91	34.42	44.91	56.58	70.02	84.63	109.15	127.78	157.59	214.18	280.17	437.77	630.37
75		11.47	16.38	23.24	32.07	41.97	52.86	65.41	78.85	101.99	118.66	147.10	199.96	261.54	408.64	
80		10.79	15.30	21.67	30.11	39.32	49.52	61.29	74.04	95.42	111.80	137.88	187.40	245.17	383.05	551.62
90			13.63	19.42	26.67	35.01	44.13	54.43	65.08	84.83	99.34	122.58	166.61	217.90	340.49	490.33
100					24.12	31.48	39.62	49.03	59.23	76.39	89.44	110.32	149.94	196.13	306.46	441.30
125								39.23	47.37	61.10	71.59	88.26	119.93	156.91	245.17	353.04
150								32.66	39.42	50.99	59.62	73.55	99.93	130.72	204.27	294.20
175										43.74	51.09	62.96	85.61	111.99	175.05	252.13
200												55.11	74.92	98.07	153.18	220.65
225														87.28	136.21	196.33
250														78.55	122.58	176.62
275														71.39	111.40	160.63
300														65.41	102.18	147.20
内径 Inside Diameter	3	4	5	6	7	8	9	10	11	12.5	13.5	15	17.5	20	25	30

压缩量 Deflection (mm)		
30万次 300,000 times	50万次 500,000 times	100万次 1,000,000 times
3.60	3.20	
4.80	4.30	
6.00	5.40	
7.20	6.50	
8.40	7.60	
9.60	8.60	
10.80	9.70	
12.00	10.80	
13.20	11.90	
14.40	13.00	
15.60	14.00	
16.80	15.10	
18.00	16.20	
19.20	17.30	
21.60	19.40	
24.00	21.60	
30.00	27.00	2
36.00	32.40	2
42.00	37.80	3
48.00	43.20	3
54.00	48.60	4
60.00	54.00	4
66.00	59.40	5
72.00	64.80	5

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	137.0	205.9	294.2	421.7	578.6	755.1	951.2	1176.8	1422.0	1833.8	2147.7	2647.8	3599	4707.2	7355.0	10591.2
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使用次数 Using Times	压缩量(自由 Deflection (percent of Free Length)
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