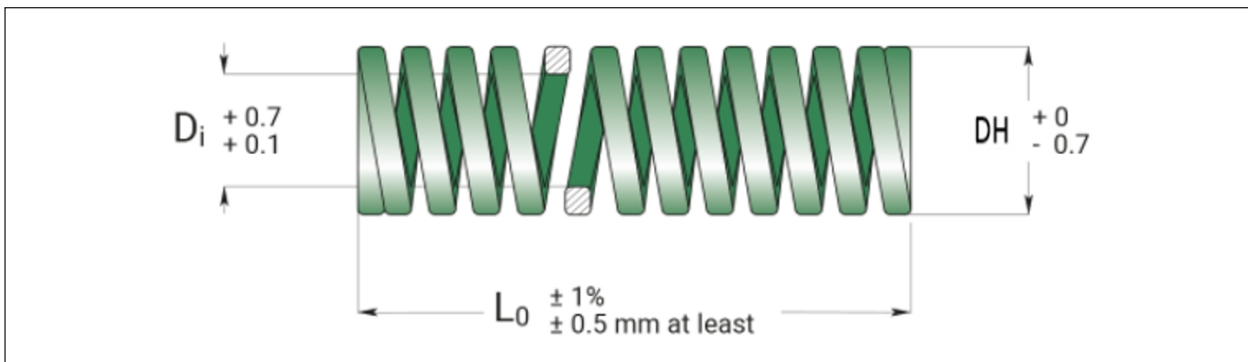


JIS (Japanese industrial standard)



Objednávacie číslo: COM – TH

Materiál:

Zliatinová oceľ s chrómom s vysokou pevnosťou v ťahu

Príklad objednania : COM – TH – DH x L₀

JIS (Japanese industrial standard)

Model 型号	Outside Diameter DH (mm)	Inside Diameter Di (mm)	Free length Lo (mm)	Spring Constant 弹簧常数		Free length × 19.2% 1,000,000 cycles 自由长 × 19.2% 100万次		Free length × 21.6% 500,000 cycles 自由长 × 21.6% 50万次		Free length × 24.0% 300,000 cycles 自由长 × 24.0% 30万次	
				(N/mm)	(kgf/mm)	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]
TH 8 × 10	8	4	10	86.25	8.80	1.9	166.7 17.0	2.2	186.3 19.0	2.4	206 21.0
15			15	57.50	5.86	2.9		3.2		3.6	
20			20	43.13	4.40	3.8		4.3		4.8	
25			25	34.50	3.52	4.8		5.4		6.0	
30			30	28.75	2.93	5.8		6.5		7.2	
35			35	24.64	2.51	6.7		7.6		8.4	
40			40	21.56	2.20	7.7		8.6		9.6	
45			45	19.17	1.95	8.6		9.7		10.8	
50			50	17.25	1.76	9.6		10.8		12.0	
55			55	15.68	1.60	10.6		11.9		13.2	
60			60	14.38	1.47	11.5		13.0		14.4	
65			65	13.27	1.35	12.5		14.0		15.6	
70			70	12.32	1.26	13.4		15.1		16.8	
75			75	11.50	1.17	14.4		16.2		18.0	
80			80	10.78	1.10	15.4		17.3		19.2	
TH 10 × 20			10	5	20	61.34		6.26		3.8	
25	25	49.07			5.00	4.8	5.4	6.0			
30	30	40.90			4.17	5.8	6.5	7.2			
35	35	35.05			3.57	6.7	7.6	8.4			
40	40	30.67			3.13	7.7	8.6	9.6			
45	45	27.26			2.78	8.6	9.7	10.8			
50	50	24.54			2.50	9.6	10.8	12.0			
55	55	22.31			2.27	10.6	11.9	13.2			
60	60	20.45			2.09	11.5	13.0	14.4			
65	65	18.87			1.92	12.5	14.0	15.6			
70	70	17.53			1.79	13.4	15.1	16.8			
75	75	16.36			1.67	14.4	16.2	18.0			
80	80	15.34			1.56	15.4	17.3	19.2			
90	90	13.63			1.39	17.3	19.4	21.6			
TH 12 × 20	12	6	20	86.34	8.80	3.8	333 34.0	4.3	373 38.0	4.8	422 43.0
25			25	69.07	7.04	4.8		5.4		6.0	
30			30	57.56	5.87	5.8		6.5		7.2	
35			35	49.34	5.03	6.7		7.6		8.4	
40			40	43.17	4.40	7.7		8.6		9.6	
45			45	38.37	3.91	8.6		9.7		10.8	
50			50	34.54	3.52	9.6		10.8		12.0	
55			55	31.40	3.20	10.6		11.9		13.2	
60			60	28.78	2.93	11.5		13.0		14.4	
65			65	26.57	2.71	12.5		14.0		15.6	
70			70	24.67	2.52	13.4		15.1		16.8	
75			75	23.02	2.35	14.4		16.2		18.0	
80			80	21.59	2.20	15.4		17.3		19.2	
90			90	19.19	1.96	17.3		19.4		21.6	

JIS (Japanese industrial standard)

Model 型号	Outside Diameter DH (mm)	Inside Diameter Di (mm)	Free length Lo (mm)	Spring Constant 弹簧常数		Free length × 19.2% 1,000,000 cycles 自由长 × 19.2% 100万次		Free length × 21.6% 500,000 cycles 自由长 × 21.6% 50万次		Free length × 24.0% 300,000 cycles 自由长 × 24.0% 30万次	
						Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]
				(N/mm)	(kgf/mm)						
TH 14 × 25	14	7	25	96.30	9.82	4.8	461 [47.0]	5.4	520 [53.0]	6.0	579 [59.0]
30			30	80.25	8.18	5.8		6.5		7.2	
35			35	68.78	7.01	6.7		7.6		8.4	
40			40	60.19	6.14	7.7		8.6		9.6	
45			45	53.50	5.46	8.6		9.7		10.8	
50			50	48.15	4.91	9.6		10.8		12.0	
55			55	43.77	4.46	10.6		11.9		13.2	
60			60	40.12	4.09	11.5		13.0		14.4	
65			65	37.04	3.78	12.5		14.0		15.6	
70			70	34.39	3.51	13.4		15.1		16.8	
75			75	32.10	3.27	14.4		16.2		18.0	
80			80	30.09	3.07	15.4		17.3		19.2	
90			90	26.75	2.73	17.3		19.4		21.6	
100	100	24.07	2.45	19.2	21.6	24.0					
TH 16 × 25	16	8	25	125.37	12.78	4.8	608 [62.0]	5.4	677 [69.0]	6.0	755 [77.0]
30			30	104.48	10.65	5.8		6.5		7.2	
35			35	89.55	9.13	6.7		7.6		8.4	
40			40	78.36	7.99	7.7		8.6		9.6	
45			45	69.65	7.10	8.6		9.7		10.8	
50			50	62.69	6.39	9.6		10.8		12.0	
55			55	56.99	5.81	10.6		11.9		13.2	
60			60	52.24	5.33	11.5		13.0		14.4	
65			65	48.22	4.92	12.5		14.0		15.6	
70			70	44.78	4.57	13.4		15.1		16.8	
75			75	41.79	4.26	14.4		16.2		18.0	
80			80	39.18	4.00	15.4		17.3		19.2	
90			90	34.83	3.55	17.3		19.4		21.6	
100	100	31.34	3.20	19.2	21.6	24.0					
125	125	25.07	2.56	24.0	27.0	30.0					
TH 18 × 25	18	9	25	157.96	16.11	4.8	765 [78.0]	5.4	853 [87.0]	6.0	951 [97.0]
30			30	131.64	13.42	5.8		6.5		7.2	
35			35	112.83	11.51	6.7		7.6		8.4	
40			40	98.73	10.07	7.7		8.6		9.6	
45			45	87.76	8.95	8.6		9.7		10.8	
50			50	78.98	8.05	9.6		10.8		12.0	
55			55	71.80	7.32	10.6		11.9		13.2	
60			60	65.82	6.71	11.5		13.0		14.4	
65			65	60.75	6.20	12.5		14.0		15.6	
70			70	56.42	5.75	13.4		15.1		16.8	
75			75	52.65	5.37	14.4		16.2		18.0	
80			80	49.36	5.03	15.4		17.3		19.2	
90			90	43.88	4.47	17.3		19.4		21.6	
100	100	39.49	4.03	19.2	21.6	24.0					
125	125	31.59	3.22	24.0	27.0	30.0					

JIS (Japanese industrial standard)

Model 型号	Outside Diameter DH (mm)	Inside Diameter Di (mm)	Free length Lo (mm)	Spring Constant 弹簧常数		Free length × 19.2% 1,000,000 cycles 自由长 × 19.2% 100万次		Free length × 21.6% 500,000 cycles 自由长 × 21.6% 50万次		Free length × 24.0% 300,000 cycles 自由长 × 24.0% 30万次	
				(N/mm)	(kgf/mm)	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]
TH 20 × 25	20	10	25	196.11	20.00	4.8	941 [96.0]	5.4	1,059 [108.0]	6.0	1,177 [120.0]
30			163.43	16.66	5.8	6.5		7.2			
35			140.08	14.28	6.7	7.6		8.4			
40			122.57	12.50	7.7	8.6		9.6			
45			108.95	11.11	8.6	9.7		10.8			
50			98.06	10.00	9.6	10.8		12.0			
55			89.14	9.09	10.6	11.9		13.2			
60			81.71	8.33	11.5	13.0		14.4			
65			75.43	7.69	12.5	14.0		15.6			
70			70.04	7.14	13.4	15.1		16.8			
75			65.37	6.67	14.4	16.2		18.0			
80			61.28	6.25	15.4	17.3		19.2			
90			54.48	5.55	17.3	19.4		21.6			
100			49.03	5.00	19.2	21.6		24.0			
125			39.22	4.00	24.0	27.0		30.0			
150	32.69	3.33	28.8	32.4	36.0						
TH 22 × 25	22	11	25	236.11	24.08	4.8	1,138 [116.0]	5.4	1,275 [130.0]	6.0	1,422 [145.0]
30			196.76	20.06	5.8	6.5		7.2			
35			168.65	17.20	6.7	7.6		8.4			
40			147.57	15.05	7.7	8.6		9.6			
45			131.17	13.38	8.6	9.7		10.8			
50			118.06	12.04	9.6	10.8		12.0			
55			107.32	10.94	10.6	11.9		13.2			
60			98.38	10.03	11.5	13.0		14.4			
65			90.81	9.26	12.5	14.0		15.6			
70			84.33	8.60	13.4	15.1		16.8			
75			78.70	8.03	14.4	16.2		18.0			
80			73.78	7.52	15.4	17.3		19.2			
90			65.59	6.69	17.3	19.4		21.6			
100			59.03	6.02	19.2	21.6		24.0			
125			47.22	4.82	24.0	27.0		30.0			
150	39.35	4.01	28.8	32.4	36.0						
TH 25 × 25	25	12.5	25	306.85	31.29	4.8	1,471 [150.0]	5.4	1,657 [169.0]	6.0	1,834 [187.0]
30			255.71	26.08	5.8	6.5		7.2			
35			219.18	22.35	6.7	7.6		8.4			
40			191.78	19.56	7.7	8.6		9.6			
45			170.47	17.38	8.6	9.7		10.8			
50			153.43	15.65	9.6	10.8		12.0			
55			139.48	14.22	10.6	11.9		13.2			
60			127.85	13.04	11.5	13.0		14.4			
65			118.02	12.03	12.5	14.0		15.6			
70			109.59	11.18	13.4	15.1		16.8			
75			102.28	10.43	14.4	16.2		18.0			
80			95.89	9.78	15.4	17.3		19.2			
90			85.24	8.69	17.3	19.4		21.6			
100			76.71	7.82	19.2	21.6		24.0			
125			61.37	6.26	24.0	27.0		30.0			
150	51.14	5.22	28.8	32.4	36.0						
175	43.84	4.47	33.6	37.8	42.0						
200	38.36	3.91	38.4	43.2	48.0						

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Model 型号	Outside Diameter DH (mm)	Inside Diameter Di (mm)	Free length Lo (mm)	Spring Constant 弹簧常数		Free length × 19.2% 1,000,000 cycles 自由长 × 19.2% 100万次		Free length × 21.6% 500,000 cycles 自由长 × 21.6% 50万次		Free length × 24.0% 300,000 cycles 自由长 × 24.0% 30万次	
				(N/mm)	(kgf/mm)	Deflection 压缩量 (mm)	Load 负荷 N (kgf)	Deflection 压缩量 (mm)	Load 负荷 N (kgf)	Deflection 压缩量 (mm)	Load 负荷 N (kgf)
TH 27 × 25	27	13.5	25	357.78	36.48	4.8	1,716 [175.0]	5.4	1,932 [197.0]	6.0	2,150 [219.2]
30			298.15	30.40	5.8	6.5		7.2			
35			255.56	26.06	6.7	7.6		8.4			
40			223.61	22.80	7.7	8.6		9.6			
45			198.77	20.27	8.6	9.7		10.8			
50			178.89	18.24	9.6	10.8		12.0			
55			162.63	16.58	10.6	11.9		13.2			
60			149.07	15.20	11.5	13.0		14.4			
65			137.61	14.03	12.5	14.0		15.6			
70			127.78	13.03	13.4	15.1		16.8			
75			119.26	12.16	14.4	16.2		18.0			
80			111.81	11.40	15.4	17.3		19.2			
90			99.38	10.13	17.3	19.4		21.6			
100			89.44	9.12	19.2	21.6		24.0			
125			71.56	7.30	24.0	27.0		30.0			
150			59.63	6.08	28.8	32.4		36.0			
175			51.11	5.21	33.6	37.8		42.0			
200	44.72	4.56	38.4	43.2	48.0						
TH 30 × 25	30	15	25	440.74	44.94	4.8	2,120 [216.2]	5.4	2,380 [242.7]	6.0	2,648 [270.0]
30			367.28	37.45	5.8	6.5		7.2			
35			314.81	32.10	6.7	7.6		8.4			
40			275.46	28.09	7.7	8.6		9.6			
45			244.86	24.97	8.6	9.7		10.8			
50			220.37	22.47	9.6	10.8		12.0			
55			200.34	20.43	10.6	11.9		13.2			
60			183.64	18.73	11.5	13.0		14.4			
65			169.52	17.29	12.5	14.0		15.6			
70			157.41	16.05	13.4	15.1		16.8			
75			146.91	14.98	14.4	16.2		18.0			
80			137.73	14.04	15.4	17.3		19.2			
90			122.43	12.48	17.3	19.4		21.6			
100			110.19	11.24	19.2	21.6		24.0			
125			88.15	8.99	24.0	27.0		30.0			
150			73.46	7.49	28.8	32.4		36.0			
175			62.96	6.42	33.6	37.8		42.0			
200	55.09	5.62	38.4	43.2	48.0						
TH 35 × 40	35	17.5	40	375.00	38.24	7.7	2,870 [292.7]	8.6	3,240 [330.4]	9.6	3,600 [367.1]
45			333.33	33.99	8.6	9.7		10.8			
50			300.00	30.59	9.6	10.8		12.0			
55			272.73	27.81	10.6	11.9		13.2			
60			250.00	25.49	11.5	13.0		14.4			
65			230.77	23.53	12.5	14.0		15.6			
70			214.29	21.85	13.4	15.1		16.8			
75			200.00	20.39	14.4	16.2		18.0			
80			187.50	19.12	15.4	17.3		19.2			
90			166.67	17.00	17.3	19.4		21.6			
100			150.00	15.30	19.2	21.6		24.0			
125			120.00	12.24	24.0	27.0		30.0			
150			100.00	10.20	28.8	32.4		36.0			
175	85.71	8.74	33.6	37.8	42.0						
200	75.00	7.65	38.4	43.2	48.0						

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						Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]
TH 40 × 40	40	20	40	490.74	50.04	7.7	3,770 [384.4]	8.6	4,240 [432.4]	9.6	4,710 [480.3]
45			45	436.21	44.48	8.6		9.7		10.8	
50			50	392.59	40.03	9.6		10.8		12.0	
55			55	356.90	36.39	10.6		11.9		13.2	
60			60	327.16	33.36	11.5		13.0		14.4	
65			65	301.99	30.79	12.5		14.0		15.6	
70			70	280.42	28.60	13.4		15.1		16.8	
75			75	261.73	26.69	14.4		16.2		18.0	
80			80	245.37	25.02	15.4		17.3		19.2	
90			90	218.11	22.24	17.3		19.4		21.6	
100			100	196.30	20.02	19.2		21.6		24.0	
125			125	157.04	16.01	24.0		27.0		30.0	
150			150	130.86	13.34	28.8		32.4		36.0	
175			175	112.17	11.44	33.6		37.8		42.0	
200			200	98.15	10.01	38.4		43.2		48.0	
225			225	87.24	8.90	43.2		48.6		54.0	
250			250	78.52	8.01	48.0		54.0		60.0	
275	275	71.38	7.28	52.8	59.4	66.0					
300	300	65.43	6.67	57.6	64.8	72.0					
TH 50 × 50	50	25	50	612.96	62.50	9.6	5,880 [599.6]	10.8	6,620 [675.1]	12.0	7,360 [750.5]
55			55	557.24	56.82	10.6		11.9		13.2	
60			60	510.80	52.09	11.5		13.0		14.4	
65			65	471.51	48.08	12.5		14.0		15.6	
70			70	437.83	44.65	13.4		15.1		16.8	
75			75	408.64	41.67	14.4		16.2		18.0	
80			80	383.10	39.07	15.4		17.3		19.2	
90			90	340.53	34.72	17.3		19.4		21.6	
100			100	306.48	31.25	19.2		21.6		24.0	
125			125	245.19	25.00	24.0		27.0		30.0	
150			150	204.32	20.83	28.8		32.4		36.0	
175			175	175.13	17.86	33.6		37.8		42.0	
200			200	153.24	15.63	38.4		43.2		48.0	
225			225	136.21	13.89	43.2		48.6		54.0	
250			250	122.59	12.50	48.0		54.0		60.0	
275			275	111.45	11.36	52.8		59.4		66.0	
300			300	102.16	10.42	57.6		64.8		72.0	
350	350	87.57	8.93	67.2	75.6	84.0					
TH 60 × 60	60	30	60	736.11	75.06	11.5	8,470 [863.7]	13.0	9,540 [972.8]	14.4	10,590 [1080]
70			70	630.95	64.34	13.4		15.1		16.8	
80			80	552.08	56.30	15.4		17.3		19.2	
90			90	490.74	50.04	17.3		19.4		21.6	
100			100	441.67	45.04	19.2		21.6		24.0	
125			125	353.33	36.03	24.0		27.0		30.0	
150			150	294.44	30.02	28.8		32.4		36.0	
175			175	252.38	25.74	33.6		37.8		42.0	
200			200	220.83	22.52	38.4		43.2		48.0	
225			225	196.30	20.02	43.2		48.6		54.0	
250			250	176.67	18.01	48.0		54.0		60.0	
275			275	160.61	16.38	52.8		59.4		66.0	
300			300	147.22	15.01	57.6		64.8		72.0	
350	350	126.19	12.87	67.2	75.6	84.0					

JIS (Japanese industrial standard)

Model 型号	Outside Diameter DH (mm)	Inside Diameter Di (mm)	Free length Lo (mm)	Spring Constant 弹簧常数		Free length × 19.2% 1,000,000 cycles 自由长 × 19.2% 100万次		Free length × 21.6% 500,000 cycles 自由长 × 21.6% 50万次		Free length × 24.0% 300,000 cycles 自由长 × 24.0% 30万次	
				(N/mm)	(kgf/mm)	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]	Deflection 压缩量 (mm)	Load 负荷 N [kgf]
TH 70 × 70	70	38.5	70	773.81	78.91	13.4	10,400 [1061]	15.1	11,700 [1193]	16.8	13,000 [1326]
80			80	677.08	69.04	15.4		17.3		19.2	
90			90	601.85	61.37	17.3		19.4		21.6	
100			100	541.67	55.23	19.2		21.6		24.0	
125			125	433.33	44.19	24.0		27.0		30.0	
150			150	361.11	36.82	28.8		32.4		36.0	
175			175	309.52	31.56	33.6		37.8		42.0	
200			200	270.83	27.62	38.4		43.2		48.0	
225			225	240.74	24.55	43.2		48.6		54.0	
250			250	216.67	22.09	48.0		54.0		60.0	
275			275	196.97	20.09	52.8		59.4		66.0	
300			300	180.56	18.41	57.6		64.8		72.0	
350			350	154.76	15.78	67.2		75.6		84.0	