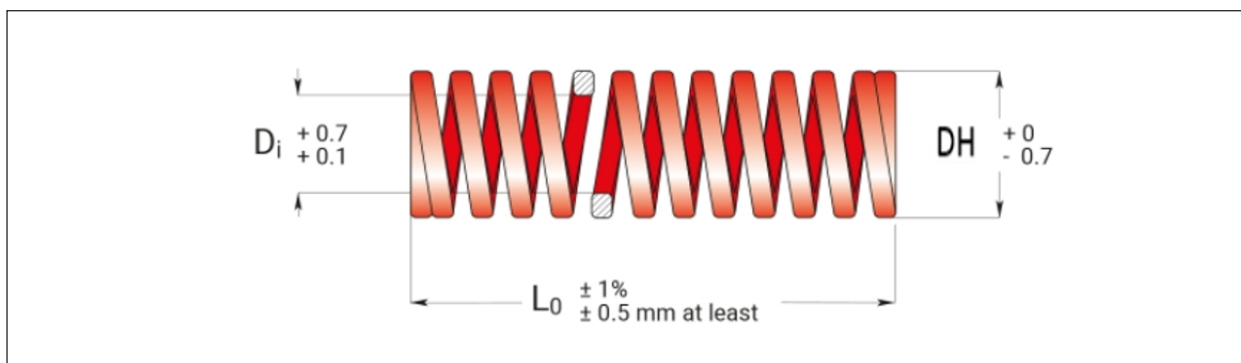


JIS (Japanese industrial standard)



Objednávacie číslo: COM – TM

Materiál:

Zliatinová oceľ s chrómom s vysokou pevnosťou v ťahu

Príklad objednania : COM – TM – DH x Lo

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 × 25.6% 1,000,000 cycles 自由长 × 25.6% 100万次		Free length × 28.8% 500,000 cycles 自由长 × 28.8% 50万次		Free length × 32.0% 300,000 cycles 自由长 × 32.0% 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]
TM 8 × 10	8	4	10	42.57	4.34	2.6	107.9 11.0	2.9	122.6 12.5	3.2	137.3 14.0
15			15	28.38	2.89	3.8		4.3		4.8	
20			20	21.28	2.17	5.1		5.8		6.4	
25			25	17.03	1.74	6.4		7.2		8.0	
30			30	14.19	1.45	7.7		8.6		9.6	
35			35	12.16	1.24	9.0		10.1		11.2	
40			40	10.64	1.09	10.2		11.5		12.8	
45			45	9.46	0.96	11.5		13.0		14.4	
50			50	8.51	0.87	12.8		14.4		16.0	
55			55	7.74	0.79	14.1		15.8		17.6	
60			60	7.09	0.72	15.4		17.3		19.2	
65			65	6.55	0.67	16.6		18.7		20.8	
70			70	6.08	0.62	17.9		20.2		22.4	
75			75	5.68	0.58	19.2		21.6		24.0	
80			80	5.32	0.54	20.5		23.0		25.6	
TM 10 × 20			10	5	20	30.64		3.12		5.1	
25	25	24.51			2.50	6.4	7.2	8.0			
30	30	20.43			2.08	7.7	8.6	9.6			
35	35	17.51			1.79	9.0	10.1	11.2			
40	40	15.32			1.56	10.2	11.5	12.8			
45	45	13.62			1.39	11.5	13.0	14.4			
50	50	12.26			1.25	12.8	14.4	16.0			
55	55	11.14			1.14	14.1	15.8	17.6			
60	60	10.21			1.04	15.4	17.3	19.2			
65	65	9.43			0.96	16.6	18.7	20.8			
70	70	8.75			0.89	17.9	20.2	22.4			
75	75	8.17			0.83	19.2	21.6	24.0			
80	80	7.66			0.78	20.5	23.0	25.6			
90	90	6.81			0.69	23.0	25.9	28.8			
TM 12 × 20	12	6	20	44.27	4.51	5.1	226 23.0	5.8	255 26.0	6.4	284 29.0
25			25	35.42	3.61	6.4		7.2		8.0	
30			30	29.51	3.01	7.7		8.6		9.6	
35			35	25.30	2.58	9.0		10.1		11.2	
40			40	22.14	2.26	10.2		11.5		12.8	
45			45	19.68	2.01	11.5		13.0		14.4	
50			50	17.71	1.81	12.8		14.4		16.0	
55			55	16.10	1.64	14.1		15.8		17.6	
60			60	14.76	1.50	15.4		17.3		19.2	
65			65	13.62	1.39	16.6		18.7		20.8	
70			70	12.65	1.29	17.9		20.2		22.4	
75			75	11.81	1.20	19.2		21.6		24.0	
80			80	11.07	1.13	20.5		23.0		25.6	
90			90	9.84	1.00	23.0		25.9		28.8	

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 × 25.6% 1,000,000 cycles 自由长 × 25.6% 100万次		Free length × 28.8% 500,000 cycles 自由长 × 28.8% 50万次		Free length × 32.0% 300,000 cycles 自由长 × 32.0% 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)
TM 14 × 25	14	7	25	47.64	4.86	6.4	304 [31.0]	7.2	343 [35.0]	8.0	383 [39.1]
30			30	39.70	4.05	7.7		8.6			
35			35	34.03	3.47	9.0		10.1			
40			40	29.77	3.04	10.2		11.5			
45			45	26.47	2.70	11.5		13.0			
50			50	23.82	2.43	12.8		14.4			
55			55	21.65	2.21	14.1		15.8			
60			60	19.85	2.02	15.4		17.3			
65			65	18.32	1.87	16.6		18.7			
70			70	17.01	1.73	17.9		20.2			
75			75	15.88	1.62	19.2		21.6			
80			80	14.89	1.52	20.5		23.0			
90			90	13.23	1.35	23.0		25.9			
100	100	11.91	1.21	25.6	28.8						
TM 16 × 25	16	8	25	62.64	6.39	6.4	402 [41.0]	7.2	451 [46.0]	8.0	500 [51.0]
30			30	52.20	5.32	7.7		8.6			
35			35	44.74	4.56	9.0		10.1			
40			40	39.15	3.99	10.2		11.5			
45			45	34.80	3.55	11.5		13.0			
50			50	31.32	3.19	12.8		14.4			
55			55	28.47	2.90	14.1		15.8			
60			60	26.10	2.66	15.4		17.3			
65			65	24.09	2.46	16.6		18.7			
70			70	22.37	2.28	17.9		20.2			
75			75	20.88	2.13	19.2		21.6			
80			80	19.57	2.00	20.5		23.0			
90			90	17.40	1.77	23.0		25.9			
100	100	15.66	1.60	25.6	28.8						
125	125	12.53	1.28	32.0	36.0						
TM 18 × 25	18	9	25	79.03	8.06	6.4	510 [52.0]	7.2	569 [58.0]	8.0	637 [65.0]
30			30	65.86	6.72	7.7		8.6			
35			35	56.45	5.76	9.0		10.1			
40			40	49.39	5.04	10.2		11.5			
45			45	43.90	4.48	11.5		13.0			
50			50	39.51	4.03	12.8		14.4			
55			55	35.92	3.66	14.1		15.8			
60			60	32.93	3.36	15.4		17.3			
65			65	30.40	3.10	16.6		18.7			
70			70	28.22	2.88	17.9		20.2			
75			75	26.34	2.69	19.2		21.6			
80			80	24.70	2.52	20.5		23.0			
90			90	21.95	2.24	23.0		25.9			
100	100	19.76	2.01	25.6	28.8						
125	125	15.81	1.61	32.0	36.0						

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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 × 25.6% 1,000,000 cycles 自由长 × 25.6% 100万次		Free length × 28.8% 500,000 cycles 自由长 × 28.8% 50万次		Free length × 32.0% 300,000 cycles 自由长 × 32.0% 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]
TM 20 × 25	20	10	25	98.06	10.00	6.4		7.2		8.0	
30			81.71	8.33	7.7		8.6		9.6		
35			70.04	7.14	9.0		10.1		11.2		
40			61.28	6.25	10.2		11.5		12.8		
45			54.48	5.55	11.5		13.0		14.4		
50			49.03	5.00	12.8		14.4		16.0		
55			44.57	4.54	14.1		15.8		17.6		
60			40.86	4.17	15.4		17.3	628	706	19.2	785
65			37.71	3.85	16.6		18.7	{ 64.0 }	{ 72.0 }	20.8	{ 80.0 }
70			35.02	3.57	17.9		20.2			22.4	
75			32.69	3.33	19.2		21.6			24.0	
80			30.64	3.12	20.5		23.0			25.6	
90			27.24	2.78	23.0		25.9			28.8	
100			24.51	2.50	25.6		28.8			32.0	
125			19.61	2.00	32.0		36.0			40.0	
150	16.34	1.67	38.4		43.2			48.0			
TM 22 × 25	22	11	25	118.47	12.08	6.4		7.2		8.0	
30			98.73	10.07	7.7		8.6		9.6		
35			84.62	8.63	9.0		10.1		11.2		
40			74.05	7.55	10.2		11.5		12.8		
45			65.82	6.71	11.5		13.0		14.4		
50			59.24	6.04	12.8		14.4		16.0		
55			53.85	5.49	14.1		15.8		17.6		
60			49.36	5.03	15.4		17.3	765	853	19.2	951
65			45.57	4.65	16.6		18.7	{ 78.0 }	{ 87.0 }	20.8	{ 97.0 }
70			42.31	4.31	17.9		20.2			22.4	
75			39.49	4.03	19.2		21.6			24.0	
80			37.02	3.78	20.5		23.0			25.6	
90			32.91	3.36	23.0		25.9			28.8	
100			29.62	3.02	25.6		28.8			32.0	
125			23.69	2.42	32.0		36.0			40.0	
150	19.75	2.01	38.4		43.2			48.0			
TM 25 × 25	25	12.5	25	152.50	15.55	6.4		7.2		8.0	
30			127.08	12.96	7.7		8.6		9.6		
35			108.93	11.11	9.0		10.1		11.2		
40			95.31	9.72	10.2		11.5		12.8		
45			84.72	8.64	11.5		13.0		14.4		
50			76.25	7.78	12.8		14.4		16.0		
55			69.32	7.07	14.1		15.8		17.6		
60			63.54	6.48	15.4		17.3		19.2		
65			58.65	5.98	16.6		18.7	981	1,098	20.8	1,226
70			54.46	5.55	17.9		20.2	{ 100.0 }	{ 112.0 }	22.4	{ 125.0 }
75			50.83	5.18	19.2		21.6			24.0	
80			47.66	4.86	20.5		23.0			25.6	
90			42.36	4.32	23.0		25.9			28.8	
100			38.13	3.89	25.6		28.8			32.0	
125			30.50	3.11	32.0		36.0			40.0	
150	25.42	2.59	38.4		43.2			48.0			
175	21.79	2.22	44.8		50.4			56.0			
200	19.06	1.94	51.2		57.6			64.0			

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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 × 25.6% 1,000,000 cycles 自由长 × 25.6% 100万次		Free length × 28.8% 500,000 cycles 自由长 × 28.8% 50万次		Free length × 32.0% 300,000 cycles 自由长 × 32.0% 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]
TM 27 × 25	27	13.5	25	178.47	18.20	6.4	1,147 [117.0]	7.2	1,285 [131.0]	8.0	1,432 [146.0]
30			30	148.73	15.17	7.7		8.6		9.6	
35			35	127.48	13.00	9.0		10.1		11.2	
40			40	111.55	11.37	10.2		11.5		12.8	
45			45	99.15	10.11	11.5		13.0		14.4	
50			50	89.24	9.10	12.8		14.4		16.0	
55			55	81.12	8.27	14.1		15.8		17.6	
60			60	74.36	7.58	15.4		17.3		19.2	
65			65	68.64	7.00	16.6		18.7		20.8	
70			70	63.74	6.50	17.9		20.2		22.4	
75			75	59.49	6.07	19.2		21.6		24.0	
80			80	55.77	5.69	20.5		23.0		25.6	
90			90	49.58	5.06	23.0		25.9		28.8	
100			100	44.62	4.55	25.6		28.8		32.0	
125			125	35.69	3.64	32.0		36.0		40.0	
150			150	29.75	3.03	38.4		43.2		48.0	
175			175	25.50	2.60	44.8		50.4		56.0	
200	200	22.31	2.27	51.2	57.6	64.0					
TM 30 × 25	30	15	25	219.31	22.36	6.4	1,412 [144.0]	7.2	1,579 [161.0]	8.0	1,765 [180.0]
30			30	182.75	18.64	7.7		8.6		9.6	
35			35	156.65	15.97	9.0		10.1		11.2	
40			40	137.07	13.98	10.2		11.5		12.8	
45			45	121.84	12.42	11.5		13.0		14.4	
50			50	109.65	11.18	12.8		14.4		16.0	
55			55	99.68	10.16	14.1		15.8		17.6	
60			60	91.38	9.32	15.4		17.3		19.2	
65			65	84.35	8.60	16.6		18.7		20.8	
70			70	78.32	7.99	17.9		20.2		22.4	
75			75	73.10	7.45	19.2		21.6		24.0	
80			80	68.53	6.99	20.5		23.0		25.6	
90			90	60.92	6.21	23.0		25.9		28.8	
100			100	54.83	5.59	25.6		28.8		32.0	
125			125	43.86	4.47	32.0		36.0		40.0	
150			150	36.55	3.73	38.4		43.2		48.0	
175			175	31.33	3.19	44.8		50.4		56.0	
200	200	27.41	2.80	51.2	57.6	64.0					
TM 35 × 40	35	17.5	40	187.50	19.12	10.2	1,912 [195.0]	11.5	2,160 [220.3]	12.8	2,400 [244.7]
45			45	166.67	17.00	11.5		13.0		14.4	
50			50	150.00	15.30	12.8		14.4		16.0	
55			55	136.36	13.91	14.1		15.8		17.6	
60			60	125.00	12.75	15.4		17.3		19.2	
65			65	115.38	11.77	16.6		18.7		20.8	
70			70	107.14	10.93	17.9		20.2		22.4	
75			75	100.00	10.20	19.2		21.6		24.0	
80			80	93.75	9.56	20.5		23.0		25.6	
90			90	83.33	8.50	23.0		25.9		28.8	
100			100	75.00	7.65	25.6		28.8		32.0	
125			125	60.00	6.12	32.0		36.0		40.0	
150			150	50.00	5.10	38.4		43.2		48.0	
175			175	42.86	4.37	44.8		50.4		56.0	
200			200	37.50	3.82	51.2		57.6		64.0	

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				(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]
TM 40 × 40	40	20	40	244.79	24.96	10.2	2,510 {256.0}	11.5	2,820 {287.6}	12.8	3,140 {320.2}
45			45	217.59	22.19	11.5		13.0		14.4	
50			50	195.83	19.97	12.8		14.4		16.0	
55			55	178.03	18.15	14.1		15.8		17.6	
60			60	163.19	16.64	15.4		17.3		19.2	
65			65	150.64	15.36	16.6		18.7		20.8	
70			70	139.88	14.26	17.9		20.2		22.4	
75			75	130.56	13.31	19.2		21.6		24.0	
80			80	122.40	12.48	20.5		23.0		25.6	
90			90	108.80	11.09	23.0		25.9		28.8	
100			100	97.92	9.98	25.6		28.8		32.0	
125			125	78.33	7.99	32.0		36.0		40.0	
150			150	65.28	6.66	38.4		43.2		48.0	
175			175	55.95	5.71	44.8		50.4		56.0	
200			200	48.96	4.99	51.2		57.6		64.0	
225			225	43.52	4.44	57.6		64.8		72.0	
250			250	39.17	3.99	64.0		72.0		80.0	
275	275	35.61	3.63	70.4	79.2	88.0					
300	300	32.64	3.33	76.8	86.4	96.0					
TM 50 × 50	50	25	50	306.25	31.23	12.8	3,920 {399.7}	14.4	4,410 {449.7}	16.0	4,900 {499.7}
55			55	278.41	28.39	14.1		15.8		17.6	
60			60	255.21	26.02	15.4		17.3		19.2	
65			65	235.58	24.02	16.6		18.7		20.8	
70			70	218.75	22.31	17.9		20.2		22.4	
75			75	204.17	20.82	19.2		21.6		24.0	
80			80	191.41	19.52	20.5		23.0		25.6	
90			90	170.14	17.35	23.0		25.9		28.8	
100			100	153.13	15.61	25.6		28.8		32.0	
125			125	122.50	12.49	32.0		36.0		40.0	
150			150	102.08	10.41	38.4		43.2		48.0	
175			175	87.50	8.92	44.8		50.4		56.0	
200			200	76.56	7.81	51.2		57.6		64.0	
225			225	68.06	6.94	57.6		64.8		72.0	
250			250	61.25	6.25	64.0		72.0		80.0	
275			275	55.68	5.68	70.4		79.2		88.0	
300			300	51.04	5.20	76.8		86.4		96.0	
350	350	43.75	4.46	89.6	100.8	112.0					
TM 60 × 60	60	30	60	367.48	37.47	15.4	5,640 {575.1}	17.3	6,350 {647.5}	19.2	7,060 {719.9}
70			70	314.98	32.12	17.9		20.2		22.4	
80			80	275.61	28.10	20.5		23.0		25.6	
90			90	244.98	24.98	23.0		25.9		28.8	
100			100	220.49	22.48	25.6		28.8		32.0	
125			125	176.39	17.99	32.0		36.0		40.0	
150			150	146.99	14.99	38.4		43.2		48.0	
175			175	125.99	12.85	44.8		50.4		56.0	
200			200	110.24	11.24	51.2		57.6		64.0	
225			225	97.99	9.99	57.6		64.8		72.0	
250			250	88.19	8.99	64.0		72.0		80.0	
275			275	80.18	8.18	70.4		79.2		88.0	
300			300	73.50	7.49	76.8		86.4		96.0	
350			350	63.00	6.42	89.6		100.8		112.0	

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 × 25.6% 1,000,000 cycles 自由长 × 25.6% 100万次		Free length × 28.8% 500,000 cycles 自由长 × 28.8% 50万次		Free length × 32.0% 300,000 cycles 自由长 × 32.0% 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]
TM 70 × 70	70	38.5	70	379.46	38.69	17.9	6,800 {693.4}	20.2	7,650 {780.1}	22.4	8,500 {866.8}
80			80	332.03	33.86	20.5		23.0		25.6	
90			90	295.14	30.10	23.0		25.9		28.8	
100			100	265.63	27.09	25.6		28.8		32.0	
125			125	212.50	21.67	32.0		36.0		40.0	
150			150	177.08	18.06	38.4		43.2		48.0	
175			175	151.79	15.48	44.8		50.4		56.0	
200			200	132.81	13.54	51.2		57.6		64.0	
225			225	118.06	12.04	57.6		64.8		72.0	
250			250	106.25	10.83	64.0		72.0		80.0	
275			275	96.59	9.85	70.4		79.2		88.0	
300			300	88.54	9.03	76.8		86.4		96.0	
350			350	75.89	7.74	89.6		100.8		112.0	