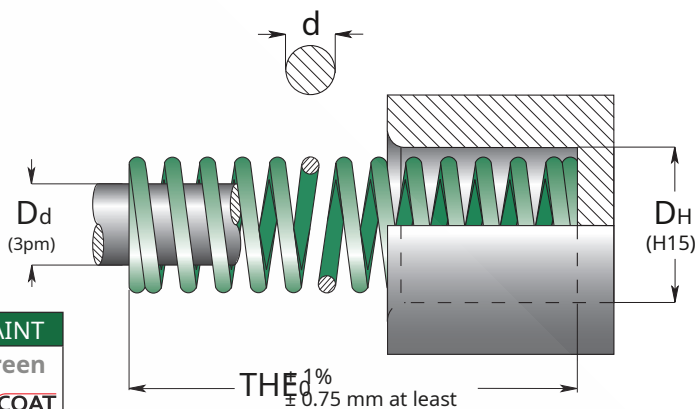
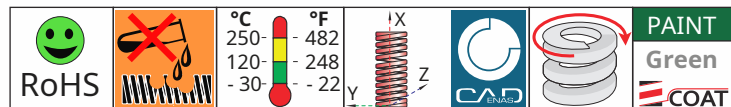
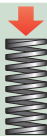








- IT** Light load springs  
**EN** Light load springs  
**FRO** Federn für normal Spannung  
**FR** Ressorts charge légère  
**ES** Muelles carga ligera  
**PT** Molas carga leve



Code	D <sub>H</sub>	D <sub>d</sub>	THER		TO		B		C		D		AND		
	Hole Diameter	Rod Diameter	Free Length	Spring Rate		25%THE <sub>0</sub>		30%THE <sub>0</sub>		35%THE <sub>0</sub>		40%THE <sub>0</sub>			
	d			± 10%	+ 3,000,000		~ 1,500,000		300 - 500,000		100 - 200,000		do not use		
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	Pcs	
TV 6 - 016	6.3	4.4	16	1.6	4.0	6.2	4.8	7.4	5.6	8.7	6.4	9.9	10.0	50	
TV 6 - 025			25	1.0	6.3	6.1	7.5	7.3	8.8	8.5	10.0	9.7	15.7	50	
TV 6 - 038			38	0.6	9.5	5.9	11.4	7.1	13.3	8.2	15.2	9.4	26.0	50	
TV 6 - 051			51	0.5	12.8	6.4	15.3	7.7	17.9	8.9	20.4	10.2	35.0	25	
TV 8 - 016	8.3	5.9	16	2.5	4.0	9.8	4.8	11.8	5.6	13.8	6.4	15.7	5.2	50	
TV 8 - 025			25	1.6	6.3	9.8	7.5	11.7	8.8	13.7	10.0	15.6	7.7	50	
TV 8 - 038			38	1.1	9.5	10.4	11.4	12.4	13.3	14.5	15.2	16.6	10.9	50	
TV 8 - 051			51	0.8	12.8	9.9	15.3	11.9	17.9	13.9	20.4	15.9	14.1	25	
TV 10 - 025	10	5	25	4.4	6.3	27.7	7.5	33.0	8.8	38.7	10.0	44.0	13.2	50	
TV 10 - 032			32	3.4	8.0	27.2	9.6	32.6	11.2	38.1	12.8	43.5	16.5	50	
TV 10 - 038			38	2.8	9.5	26.6	11.4	31.9	13.3	37.2	15.2	42.6	19.8	50	
TV 10 - 044			44	2.4	11.0	26.4	13.2	31.7	15.4	37.0	17.6	42.2	23.1	50	
TV 10 - 051			51	2.1	12.8	26.9	15.3	32.1	17.9	37.6	20.4	42.8	26.9	25	
TV 10 - 064			64	1.6	16.0	25.6	19.2	30.7	22.4	35.8	25.6	41.0	33.3	25	
TV 10 - 076			76	1.3	19.0	24.7	22.8	29.6	26.6	34.6	30.4	39.5	39.6	25	
TV 10 - 305	1.1		305	0.3	76.3	22.9	91.5	27.5	106.8	32.0	122.0	36.6	157.0	10	
TV 13 - 025	12.5	6.3	25	8.5	6.3	53.6	7.5	63.8	8.8	74.8	10.0	85.0	13.5	50	
TV 13 - 032			32	6.5	8.0	52.0	9.6	62.4	11.2	72.8	12.8	83.2	16.8	50	
TV 13 - 038			38	5.3	9.5	50.4	11.4	60.4	13.3	70.5	15.2	80.6	20.3	50	
TV 13 - 044			44	4.4	11.0	48.4	13.2	58.1	15.4	67.8	17.6	77.4	23.9	25	
TV 13 - 051			51	3.8	12.8	48.6	15.3	58.1	17.9	68.0	20.4	77.5	26.9	25	
TV 13 - 064			64	2.9	16.0	46.4	19.2	55.7	22.4	65.0	25.6	74.2	33.3	25	
TV 13 - 076			76	2.5	19.0	47.5	22.8	57.0	26.6	66.5	30.4	76.0	41.1	25	
TV 13 - 089			89	2.1	22.3	46.8	26.7	56.1	31.2	65.5	35.6	74.8	48.3	20	
TV 13 - 305	1.5		305	0.6	76.3	45.8	91.5	54.9	106.8	64.1	122.0	73.2	163.0	10	
TV 16 - 025	16	8	25	17.9	6.3	112.8	7.5	134.3	8.8	157.5	10.0	179.0	14.7	50	
TV 16 - 032			32	13.5	8.0	108.0	9.6	129.6	11.2	151.2	12.8	172.8	18.5	50	
TV 16 - 038			38	10.5	9.5	99.8	11.4	119.7	13.3	139.7	15.2	159.6	22.4	25	
TV 16 - 044			44	8.8	11.0	96.8	13.2	116.2	15.4	135.5	17.6	154.9	25.9	25	
TV 16 - 051			51	7.6	12.8	97.3	15.3	116.3	17.9	136.0	20.4	155.0	30.0	25	
TV 16 - 064			64	5.9	16.0	94.4	19.2	113.3	22.4	132.2	25.6	151.0	37.8	25	
TV 16 - 076			76	4.8	19.0	91.2	22.8	109.4	26.6	127.7	30.4	145.9	45.2	20	
TV 16 - 089			89	4.0	22.3	89.2	26.7	106.8	31.2	124.8	35.6	142.4	52.8	20	
TV 16 - 102			102	3.5	25.5	89.3	30.6	107.1	35.7	125.0	40.8	142.8	60.7	20	
TV 16 - 305	2		305	1.1	76.3	83.9	91.5	100.7	106.8	117.5	122.0	134.2	184.0	10	

No "L0" tolerance  $\pm 1\%$  - No "R" tolerance  $\pm 10\%$  - No "E-coat" painting