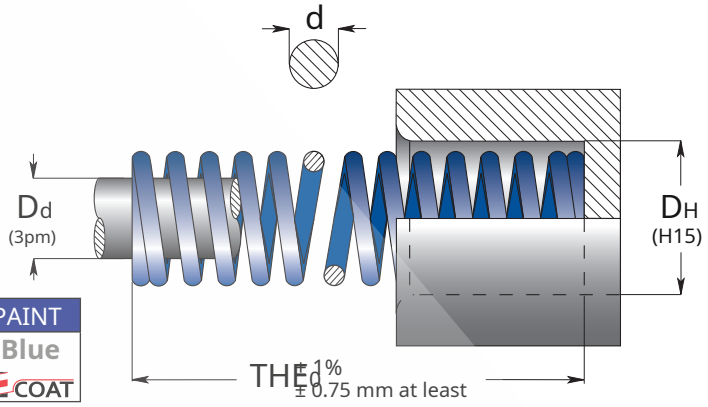
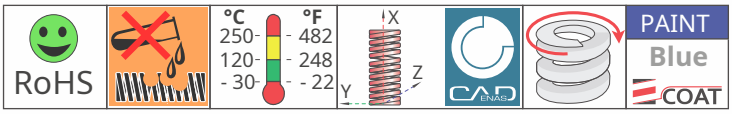
Special Springs Standard Round Wire

SERIES TB

IT Medium load springs
EN Medium load springs
FRON Federn für mittlere Spannung
FR Ressorts charge moyenne
ES Muelles carga mediana
PT Molas carga média





Code	DH Hole Diameter	Dd Rod Diameter	THER Free Length	Spring Rate	TO 25%THE 0		B 30%THE 0		C 33.75%THE 0		D 37.5%THE0		AND approx. do not use	
	d			± 10%	+ 3,000,000		~ 1,500,000		300 - 500,000		100 - 200,000			
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	Pcs
TB 6 - 016	6.3	3.9	16	4.7	4.0	18.8	4.8	22.6	5.4	25.4	6.0	28.2	6.7	50
TB 6 - 025			25	2.9	6.3	17.8	7.5	21.4	8.4	24.0	9.4	26.7	10.1	50
TB 6 - 038			38	1.8	9.5	17.5	11.4	21.0	12.8	23.6	14.3	26.2	14.4	50
TB 6 - 051	0.8		51	1.5	12.8	18.7	15.3	22.5	17.2	25.3	19.1	28.1	18.7	25
TB 8 - 016	8.3	5.5	16	5.4	4.0	21.5	4.8	25.8	5.4	29.1	6.0	32.3	6.9	50
TB 8 - 025			25	3.6	6.3	22.8	7.5	27.3	8.4	30.7	9.4	34.1	9.5	50
TB 8 - 038			38	2.4	9.5	22.9	11.4	27.5	12.8	30.9	14.3	34.3	13.9	50
TB 8 - 051	1.0		51	1.9	12.8	24.4	15.3	29.2	17.2	32.9	19.1	36.5	18.4	25
TB 10 - 025	10	5	25	12.3	6.3	77.5	7.5	92.3	8.4	103.3	9.4	115.6	10.4	50
TB 10 - 032			32	9.5	8.0	76.0	9.6	91.2	10.8	102.6	12.0	114.0	13.2	50
TB 10 - 038			38	7.8	9.5	74.1	11.4	88.9	12.8	99.8	14.2	110.8	16.0	50
TB 10 - 044			44	6.5	11.0	71.5	13.2	85.8	14.9	96.9	16.5	107.3	18.5	50
TB 10 - 051			51	5.6	12.8	71.7	15.3	85.7	17.2	96.3	19.1	107.0	21.1	25
TB 10 - 064			64	4.5	16.0	72.0	19.2	86.4	21.6	97.2	24.0	108.0	26.4	25
TB 10 - 076			76	3.7	19.0	70.3	22.8	84.4	25.7	95.1	28.5	105.5	31.8	25
TB 10 - 305	1.4		305	0.9	76.3	68.7	91.5	82.4	102.9	92.6	114.0	102.6	129.0	10
TB 13 - 025	12.5	6.3	25	21.7	6.3	136.7	7.5	162.8	8.4	182.3	9.4	204.0	11.2	50
TB 13 - 032			32	16.8	8.0	134.4	9.6	161.3	10.8	181.4	12.0	201.6	14.0	50
TB 13 - 038			38	13.8	9.5	131.1	11.4	157.3	12.8	176.6	14.2	196.0	17.3	50
TB 13 - 044			44	11.6	11.0	127.6	13.2	153.1	14.9	172.8	16.5	191.4	19.8	25
TB 13 - 051			51	10.0	12.8	128.0	15.3	153.0	17.2	172.0	19.1	191.0	22.9	25
TB 13 - 064			64	7.8	16.0	124.8	19.2	149.8	21.6	168.5	24.0	187.2	28.4	25
TB 13 - 076			76	6.4	19.0	121.6	22.8	145.9	25.7	164.5	28.5	182.4	34.3	25
TB 13 - 089			89	5.6	22.3	124.9	26.7	149.5	30.0	168.0	33.3	186.5	41.4	20
TB 13 - 305	1.8		305	1.5	76.3	114.5	91.5	137.3	102.9	154.4	114.0	171.0	139.0	10
TB 16 - 025	16	8	25	31.9	6.3	201.0	7.5	239.3	8.4	268.0	9.4	299.9	10.9	50
TB 16 - 032			32	24.0	8.0	192.0	9.6	230.4	10.8	259.2	12.0	288.0	13.7	50
TB 16 - 038			38	19.4	9.5	184.3	11.4	221.2	12.8	248.3	14.2	275.5	16.5	25
TB 16 - 044			44	16.1	11.0	177.1	13.2	212.5	14.9	239.9	16.5	265.7	19.3	25
TB 16 - 051			51	13.8	12.8	176.6	15.3	211.1	17.2	237.4	19.1	263.6	22.1	25
TB 16 - 064			64	10.7	16.0	171.2	19.2	205.4	21.6	231.1	24.0	256.8	27.4	25
TB 16 - 076			76	8.8	19.0	167.2	22.8	200.6	25.7	226.2	28.5	250.8	33.0	20
TB 16 - 089			89	7.5	22.3	167.3	26.7	200.3	30.0	225.0	33.3	249.8	38.6	20
TB 16 - 102			102	6.5	25.5	165.8	30.6	198.9	34.4	223.6	38.2	248.3	44.5	20
TB 16 - 305	2.2		305	2.1	76.3	160.2	91.5	192.2	102.9	216.1	114.0	239.4	134.0	10

No "L0" tolerance ± 1% - No "R" tolerance ± 10% - No "E-coat" painting

How to order: TB 16 - 102 (Series DH - THE0 1 N = 0.1 daN = 0.102 kgf Load (N) = R (N/mm) x Deflection (mm)