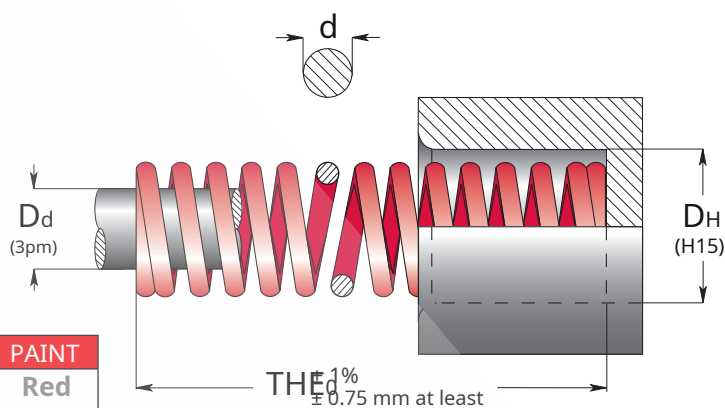
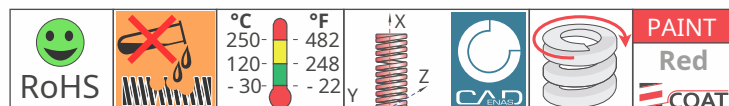








- IT** Heavy load springs
- EN** Strong load springs
- FRO** Federn für hohe Spannung
- FR** Ressorts charge forte
- ES** Muelles carga fuerte
- PT** Molas carga forte



Code	D _H	D _d	THER		TO		B		C		D		AND	
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	 20%THE ₀	 25%THE ₀	 27.5%THE ₀	 30%THE ₀	 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
TR 6 - 016	6.3	3.6	16	12.7	3.2	40.8	4.0	51.0	4.4	56.1	4.8	61.2	7.9	50
TR 6 - 025			25	7.7	5.0	38.7	6.3	48.4	6.9	53.2	7.5	58.1	12.1	50
TR 6 - 038			38	4.9	7.6	37.3	9.5	46.6	10.5	51.3	11.4	56.0	17.4	50
TR 6 - 051			51	3.7	10.2	37.4	12.8	46.8	14.0	51.5	15.3	56.2	23.1	25
	1.0													
TR 8 - 016	8.3	5.2	16	12.5	4.0	50.0	4.0	50.0	4.4	55.0	4.8	60.0	8.2	50
TR 8 - 025			25	6.9	5.0	34.5	6.3	43.1	6.9	47.4	7.5	51.8	12.4	50
TR 8 - 038			38	5.1	7.6	38.4	9.5	48.0	10.5	52.8	11.4	57.6	16.9	50
TR 8 - 051			51	4.0	10.2	40.8	12.8	51.0	14.0	56.1	15.3	61.2	23.2	25
	1.2													
TR 10 - 025	10	5	25	20.7	5.0	103.5	6.3	130.4	6.9	142.8	7.5	155.3	8.6	50
TR 10 - 032			32	16.1	6.4	103.0	8.0	128.8	8.8	141.7	9.6	154.6	10.9	50
TR 10 - 038			38	13.0	7.6	98.8	9.5	123.5	10.5	136.5	11.4	148.2	13.2	50
TR 10 - 044			44	10.9	8.8	95.9	11.0	119.9	12.1	131.9	13.2	143.9	14.7	50
TR 10 - 051			51	9.6	10.2	97.9	12.8	122.9	14.0	134.4	15.3	146.9	17.8	25
TR 10 - 064			64	7.7	12.8	98.6	16.0	123.2	17.6	135.5	19.2	147.8	22.9	25
TR 10 - 076			76	6.3	15.2	95.8	19.0	119.7	20.9	131.7	22.8	143.6	26.9	25
TR 10 - 305			305	1.5	61.0	91.5	76.3	114.5	83.9	125.9	91.5	137.3	110.0	10
	1.6													
TR 13 - 025	12.5	6.3	25	37.5	5.0	187.5	6.3	236.3	6.9	258.8	7.5	281.3	8.9	50
TR 13 - 032			32	28.9	6.4	185.0	8.0	231.2	8.8	254.3	9.6	277.4	11.2	50
TR 13 - 038			38	23.5	7.6	178.6	9.5	223.3	10.5	246.8	11.4	267.9	13.7	50
TR 13 - 044			44	19.6	8.8	172.5	11.0	215.6	12.1	237.2	13.2	258.7	15.7	25
TR 13 - 051			51	17.3	10.2	176.5	12.8	221.4	14.0	242.2	15.3	264.7	18.8	25
TR 13 - 064			64	13.5	12.8	172.8	16.0	216.0	17.6	237.6	19.2	259.2	23.6	25
TR 13 - 076			76	11.2	15.2	170.2	19.0	212.8	20.9	234.1	22.8	255.4	28.4	25
TR 13 - 089			89	9.5	17.8	169.1	22.3	211.9	24.5	232.8	26.7	253.7	33.0	20
TR 13 - 305			305	2.7	61.0	164.7	76.3	206.0	83.9	226.5	91.5	247.1	114.0	10
	2.2													
TR 16 - 025	16	8	25	81.6	5.0	408.0	6.3	514.1	6.9	563.0	7.5	612.0	9.1	50
TR 16 - 032			32	61.3	6.4	392.3	8.0	490.4	8.8	539.4	9.6	588.5	11.4	50
TR 16 - 038			38	49.9	7.6	379.2	9.5	474.1	10.5	524.0	11.4	568.9	14.2	25
TR 16 - 044			44	40.8	8.8	359.0	11.0	448.8	12.1	493.7	13.2	538.6	16.3	25
TR 16 - 051			51	35.6	10.2	363.1	12.8	455.7	14.0	498.4	15.3	544.7	18.8	25
TR 16 - 064			64	27.8	12.8	355.8	16.0	444.8	17.6	489.3	19.2	533.8	23.9	25
TR 16 - 076			76	22.8	15.2	346.6	19.0	433.2	20.9	476.5	22.8	519.8	29.0	20
TR 16 - 089			89	19.6	17.8	348.9	22.3	437.1	24.5	480.2	26.7	523.3	34.3	20
TR 16 - 102			102	17.0	20.4	346.8	25.5	433.5	28.1	477.7	30.6	520.2	39.4	20
TR 16 - 305			305	5.4	61.0	329.4	76.3	412.0	83.9	453.1	91.5	494.1	119.0	10
	2.8													

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