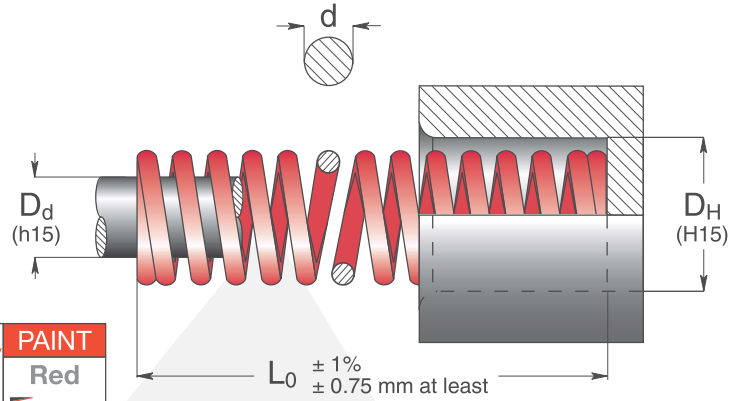


TR SERIES

Round Wire

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



Code	D _H Hole Diameter	D _d Rod Diameter	L ₀ Free Length	R Spring Constant	A		B		C		D		E	Pcs
					20% L ₀	N	25% L ₀	N	27.5% L ₀	N	30% L ₀	N		
	d			± 10%	+ 3.000.000		~ 1.500.000		300 - 500.000		100 - 200.000		approx. do not use	
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	
TR 10 - 025	10	5	25	20.7	5.0	103	6.3	129	6.9	142	7.5	155	8.6	50
TR 10 - 032			32	16.1	6.4	103	8.0	129	8.8	142	9.6	155	10.9	50
TR 10 - 038			38	13.0	7.6	98	9.5	123	10.5	136	11.4	148	13.2	50
TR 10 - 044			44	10.9	8.8	96	11.0	119	12.1	132	13.2	143	14.7	50
TR 10 - 051			51	9.6	10.2	98	12.8	123	14.0	135	15.3	147	17.8	25
TR 10 - 064			64	7.7	12.8	98	16.0	123	17.6	136	19.2	147	22.9	25
TR 10 - 076			76	6.3	15.2	96	19.0	119	20.9	132	22.8	143	26.9	25
TR 10 - 305	1.6		305	1.5	61.0	93	76.3	116	83.9	126	91.5	139	110	10
TR 13 - 025	12.5	6.3	25	37.5	5.0	187	6.3	234	6.9	258	7.5	281	8.9	50
TR 13 - 032			32	28.9	6.4	185	8.0	231	8.8	254	9.6	277	11.2	50
TR 13 - 038			38	23.5	7.6	178	9.5	223	10.5	246	11.4	268	13.7	50
TR 13 - 044			44	19.6	8.8	173	11.0	216	12.1	237	13.2	259	15.7	25
TR 13 - 051			51	17.3	10.2	177	12.8	221	14.0	243	15.3	265	18.8	25
TR 13 - 064			64	13.5	12.8	173	16.0	216	17.6	238	19.2	259	23.6	25
TR 13 - 076			76	11.2	15.2	170	19.0	213	20.9	234	22.8	256	28.4	25
TR 13 - 089	89	9.5	17.8	168	22.3	210	24.5	233	26.7	252	33.0	20		
TR 13 - 305	2.2		305	2.7	61.0	162	76.3	203	83.9	226	91.5	244	114	10
TR 16 - 025	16	8	25	81.6	5.0	408	6.3	510	6.9	561	7.5	612	9.1	50
TR 16 - 032			32	61.3	6.4	392	8.0	490	8.8	539	9.6	588	11.4	50
TR 16 - 038			38	49.9	7.6	379	9.5	474	10.5	521	11.4	569	14.2	25
TR 16 - 044			44	40.8	8.8	359	11.0	449	12.1	494	13.2	539	16.3	25
TR 16 - 051			51	35.6	10.2	363	12.8	453	14.0	499	15.3	544	18.8	25
TR 16 - 064			64	27.8	12.8	356	16.0	446	17.6	489	19.2	535	23.9	25
TR 16 - 076			76	22.8	15.2	346	19.0	433	20.9	477	22.8	519	29.0	20
TR 16 - 089	89	19.6	17.8	349	22.3	436	24.5	480	26.7	524	34.3	20		
TR 16 - 102	102	17.0	20.4	347	25.5	433	28.1	477	30.6	520	39.4	20		
TR 16 - 305	2.8		305	5.4	61.0	330	76.3	413	83.9	453	91.5	495	119	10

Special Springs 34-018

How to order: TR 16 - 102

(Series D_H - L₀)

1 N = 0.1 daN = 0.102 kgf

Load (N) = R (N/mm) x Deflection (mm)