

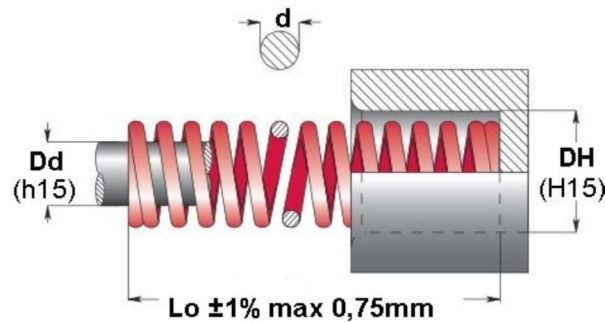


FR3

Farbe: rot

Spiralfeder

für starke Belastungen



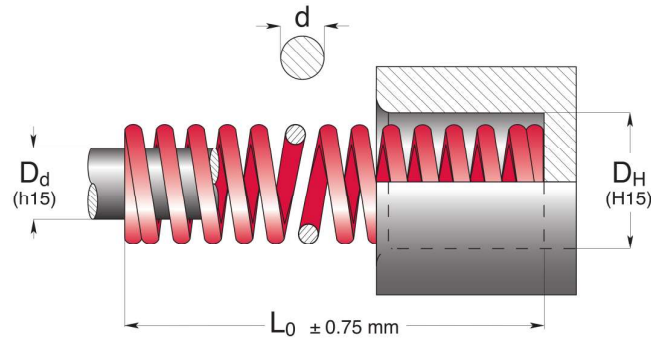
Code	D _H	D _d	L ₀	R		A		B		C		D		E
	Hole Diameter	Rod Diameter	Free Length	Spring Constant	20% L ₀	25% L ₀	27.5% L ₀	30% L ₀						 max.
	d			± 10%	+ 3.000.000	~ 1.500.000	300 - 500.000	100 - 200.000	nicht verwenden					
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	mm
FR-10025-3	10	5	25	20.7	5.0	103	6.3	129	6.9	142	7.5	155	8.6	
FR-10032-3			32	16.1	6.4	103	8.0	129	8.8	142	9.6	155	10.9	
FR-10038-3			38	13.0	7.6	98	9.5	123	10.5	136	11.4	148	13.2	
FR-10044-3			44	10.9	8.8	96	11.0	119	12.1	132	13.2	143	14.7	
FR-10051-3			51	9.6	10.2	98	12.8	123	14.0	135	15.3	147	17.8	
FR-10064-3			64	7.7	12.8	98	16.0	123	17.6	136	19.2	147	22.9	
FR-10076-3			76	6.3	15.2	96	19.0	119	20.9	132	22.8	143	26.9	
FR-10305-3	1.6		305	1.5	61.0	93	76.3	116	83.9	126	91.5	139	110	
FR-13025-3	12.5	6.3	25	37.5	5.0	187	6.3	234	6.9	258	7.5	281	8.9	
FR-13032-3			32	28.9	6.4	185	8.0	231	8.8	254	9.6	277	11.2	
FR-13038-3			38	23.5	7.6	178	9.5	223	10.5	246	11.4	268	13.7	
FR-13044-3			44	19.6	8.8	173	11.0	216	12.1	237	13.2	259	15.7	
FR-13051-3			51	17.3	10.2	177	12.8	221	14.0	243	15.3	265	18.8	
FR-13064-3			64	13.5	12.8	173	16.0	216	17.6	238	19.2	259	23.6	
FR-13076-3			76	11.2	15.2	170	19.0	213	20.9	234	22.8	256	28.4	
FR-13089-3	2.2		89	9.5	17.8	168	22.3	210	24.5	233	26.7	252	33.0	
FR-13305-3			305	2.7	61.0	162	76.3	203	83.9	226	91.5	244	114	
FR-16025-3	16	8	25	81.6	5.0	408	6.3	510	6.9	561	7.5	612	9.1	
FR-16032-3			32	61.3	6.4	392	8.0	490	8.8	539	9.6	588	11.4	
FR-16038-3			38	49.9	7.6	379	9.5	474	10.5	521	11.4	569	14.2	
FR-16044-3			44	40.8	8.8	359	11.0	449	12.1	494	13.2	539	16.3	
FR-16051-3			51	35.6	10.2	363	12.8	453	14.0	499	15.3	544	18.8	
FR-16064-3			64	27.8	12.8	356	16.0	446	17.6	489	19.2	535	23.9	
FR-16076-3			76	22.8	15.2	346	19.0	433	20.9	477	22.8	519	29.0	
FR-16089-3	2.8		89	19.6	17.8	349	22.3	436	24.5	480	26.7	524	34.3	
FR-16102-3			102	17.0	20.4	347	25.5	433	28.1	477	30.6	520	39.4	
FR-16305-3	2.8		305	5.4	61.0	330	76.3	413	83.9	453	91.5	495	119	



FR3

Farbe: rot

Spiralfeder für starke Belastungen



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	Hole Diameter	Rod Diameter	Free Length	Spring Constant		20% L ₀		25% L ₀		27.5% L ₀		30% L ₀		
	d					+ 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 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	
TR 6 - 025			25	7.7	5.0	38.7	6.3	48.4	6.9	53.2	7.5	58.1	12.1	
TR 6 - 038			38	4.9	7.6	37.3	9.5	46.6	10.5	51.3	11.4	56.0	17.4	
TR 6 - 051			51	3.7	10.2	37.4	12.8	46.8	14.0	51.5	15.3	56.2	23.1	
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	
TR 8 - 025			25	6.9	5.0	34.5	6.3	43.1	6.9	47.4	7.5	51.8	12.4	
TR 8 - 038			38	5.1	7.6	38.4	9.5	48.0	10.5	52.8	11.4	57.6	16.9	
TR 8 - 051			51	4.0	10.2	40.8	12.8	51.0	14.0	56.1	15.3	61.2	23.2	