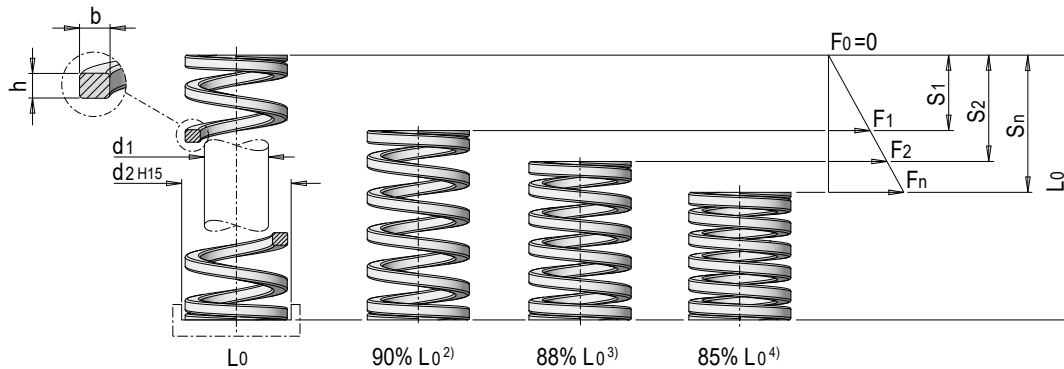


E 1546



Systemdruckfeder, extrem hohe Belastung

System compression spring, very heavy load



t max. = 250°C⁵⁾

c [N/mm] ¹⁾	F1 [N]	S1	F2 [N]	S2	Fn [N]	Sn	b	h	d1	d2	Lo	Nr. / No.
167	418	2.5	501	3	626	3.8	2.0	2.8	5	10	25	E 1546/10 x 25
130	416	3.2	499	3.8	624	4.8					32	E 1546/10 x 32
105	399	3.8	479	4.6	599	5.7					38	E 1546/10 x 38
86	378	4.4	454	5.3	568	6.6					44	E 1546/10 x 44
79	403	5.1	483	6.1	604	7.7					51	E 1546/10 x 51
62	397	6.4	476	7.7	595	9.6					64	E 1546/10 x 64
51	388	7.6	465	9.1	581	11.4					76	E 1546/10 x 76
288	720	2.5	864	3	1080	3.8					25	E 1546/12,5 x 25
216	691	3.2	829	3.8	1037	4.8					32	E 1546/12,5 x 32
176	669	3.8	803	4.6	1003	5.7					38	E 1546/12,5 x 38
149	656	4.4	787	5.3	983	6.6	2.75	3.4	6.3	12.5	44	E 1546/12,5 x 44
128	653	5.1	783	6.1	979	7.7					51	E 1546/12,5 x 51
100	640	6.4	768	7.7	960	9.6					64	E 1546/12,5 x 64
84	638	7.6	766	9.1	958	11.4					76	E 1546/12,5 x 76
71	632	8.9	758	10.7	948	13.4					89	E 1546/12,5 x 89
61	622	10.2	747	12.2	933	15.3					102	E 1546/12,5 x 102
449	1437	3.2	1724	3.8	2155	4.8					32	E 1546/16 x 32
363	1379	3.8	1655	4.6	2069	5.7					38	E 1546/16 x 38
309	1360	4.4	1632	5.3	2039	6.6					44	E 1546/16 x 44
256	1306	5.1	1567	6.1	1958	7.7					51	E 1546/16 x 51
203	1299	6.4	1559	7.7	1949	9.6	3.5	4.75	8	16	64	E 1546/16 x 64
166	1262	7.6	1514	9.1	1892	11.4					76	E 1546/16 x 76
139	1237	8.9	1485	10.7	1856	13.4					89	E 1546/16 x 89
114	1163	10.2	1395	12.2	1744	15.3					102	E 1546/16 x 102
105	1208	11.5	1449	13.8	1811	17.3					115	E 1546/16 x 115
452	1989	4.4	2387	5.3	2983	6.6					44	E 1546/20 x 44
378	1928	5.1	2313	6.1	2892	7.7					51	E 1546/20 x 51
301	1926	6.4	2312	7.7	2890	9.6					64	E 1546/20 x 64
247	1877	7.6	2253	9.1	2816	11.4					76	E 1546/20 x 76
208	1851	8.9	2221	10.7	2777	13.4					89	E 1546/20 x 89
188	1918	10.2	2301	12.2	2876	15.3	4.0	6.0	10	20	102	E 1546/20 x 102
159	1829	11.5	2194	13.8	2743	17.3					115	E 1546/20 x 115
1158	5095	4.4	6114	5.3	7643	6.6					44	E 1546/25 x 44
933	4758	5.1	5710	6.1	7137	7.7					51	E 1546/25 x 51
644	4122	6.4	4959	7.7	6182	9.6					64	E 1546/25 x 64
556	4226	7.6	5060	9.1	6338	11.4					76	E 1546/25 x 76
462	4112	8.9	4943	10.7	6168	13.4					89	E 1546/25 x 89
390	3978	10.2	4758	12.2	5967	15.3					102	E 1546/25 x 102
360	4140	11.5	4968	13.8	6210	17.3					115	E 1546/25 x 115
326		12.7	4955	15.2		19.1					127	E 1546/25 x 127
255	3876	15.2	4641	18.2	5814	22.8	5.6	7.5	12.5	25	152	E 1546/25 x 152
230	4094	17.8	4922	21.4	6141	26.7					178	E 1546/25 x 178
202	4101	20.3	4929	24.4	6151	30.5					203	E 1546/25 x 203
1300	5720	4.4	6864	5.3	8580	6.6					44	E 1546/32 x 44
1150	5865	5.1	7038	6.1	8798	7.7					51	E 1546/32 x 51
1077	6892	6.4	8270	7.7	10337	9.6					64	E 1546/32 x 64
874	6642	7.6	7971	9.1	9964	11.4					76	E 1546/32 x 76
721	6419	8.9	7702	11	9628	13.35					89	E 1546/32 x 89
620	6324	10	7589	12	9486	15.3					102	E 1546/32 x 102
560	6440	12	7728	14	9660	17.25					115	E 1546/32 x 115
496	6299	13	7559	15	9449	19.05	7.5	9.2	16	32	127	E 1546/32 x 127
408	6202	15	7442	18	9302	22.8					152	E 1546/32 x 152
353	6280	18	7536	21	9420	26.7					178	E 1546/32 x 178
304	6171	20	7405	24	9257	30.45					203	E 1546/32 x 203
243	6177	25	7413	30	9266	38.1					254	E 1546/32 x 254
1128	7219	6.4	8663	7.7	10829	9.6					64	E 1546/40 x 64
1017	7729	7.6	9275	9.1	11594	11.4					76	E 1546/40 x 76
880	7832	8.9	9416	10.7	11748	13.4					89	E 1546/40 x 89
762	7772	10.2	9296	12.2	11659	15.3					102	E 1546/40 x 102
679	7809	11.5	9370	13.8	11713	17.3					115	E 1546/40 x 115
622	7899	12.7	9454	15.2	11849	19.1	8.5	11	20	40	127	E 1546/40 x 127



c [N/mm] ¹⁾	F1 [N]	S1	F2 [N]	S2	Fn [N]	Sn	b	h	d1	d2	Lo	Nr. / No.
509	7737	22.8	9264	18.2	11605	22.8	8.5	11	20	40	152	E 1546/40 x 152
429	7636	17.8	9181	21.4	11454	26.7					178	E 1546/40 x 178
1980	12672	6.4	15206	7.7	19008	9.6	11.8	13.5	25	50	64	E 1546/50 x 64
1811	13764	7.6	16516	9.1	20645	11.4					76	E 1546/50 x 76
1410	12549	8.9	15087	10.7	18824	13.4					89	E 1546/50 x 89
1215	12393	10.2	14823	12.2	18590	15.3					102	E 1546/50 x 102
1076	12374	11.5	14849	13.8	18561	17.3					115	E 1546/50 x 115
968	12294	12.7	14714	15.2	18440	19.1					127	E 1546/50 x 127

- 1) c: Federrate (Kraftzunahme pro mm Federweg) / c: spring rate (load increase per mm spring travel)
2) 90% Lo: Lange Lebensdauer (> 3 Mio. Lastwechsel) / 90% Lo: long service life (> 3 million changes of load)
3) 88% Lo: Mittlere Lebensdauer (~1.5 Mio. Lastwechsel) / 88% Lo: medium service life (~1.5 million changes of load)
4) 85% Lo: Max. zulässiger Federweg (~200.000 Lastwechsel) / 85% Lo: maximum travel (~200.000 changes of load)
5) t max. = 250°C: Ab 120°C: 1% Spannungsverlust pro 40°C / t max. = 250°C: from 120°C: loss of spring load is 1% per 40°C

i 1 N = 0.1 daN = 0.102 kg

