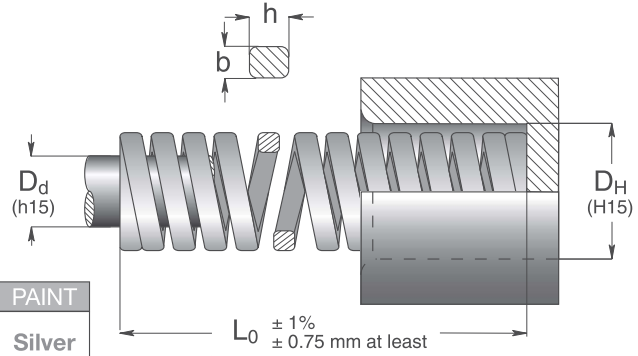


A SERIES

Special Springs Standard

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



PAINT
Silver

Code	D _H	D _d	L ₀	R	A		B		C		D		E	Pcs
					10% L ₀	N	~ 1.500.000	N	300 - 500.000	N	100 - 200.000	N		
Hole Diameter: b x h		Rod Diameter	Free Length	Spring Constant	± 10% + 3.000.000		~ 1.500.000		300 - 500.000		100 - 200.000		approx. do not use	
mm x mm		mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	
A 10 - 025	10	5	25	167	2.5	418	3.0	501	3.4	564	3.8	626	5.9	50
A 10 - 032			32	130	3.2	416	3.8	499	4.3	562	4.8	624	7.5	50
A 10 - 038			38	105	3.8	399	4.6	479	5.1	539	5.7	599	8.2	50
A 10 - 044			44	86	4.4	378	5.3	454	5.9	511	6.6	568	11.0	50
A 10 - 051			51	79	5.1	403	6.1	483	6.9	544	7.7	604	12.5	25
A 10 - 064			64	62	6.4	397	7.7	476	8.6	536	9.6	595	15.8	25
A 10 - 076			76	51	7.6	388	9.1	465	10.3	523	11.4	581	19.0	25
A 10 - 305	2.0 x 2.8		305	11.5	30.5	351	36.6	421	41.2	474	45.8	526	89.0	10
A 13 - 025	12.5	6.3	25	288	2.5	720	3.0	864	3.4	972	3.8	1080	5.6	50
A 13 - 032			32	216	3.2	691	3.8	829	4.3	933	4.8	1037	7.3	50
A 13 - 038			38	176	3.8	669	4.6	803	5.1	903	5.7	1003	9.2	50
A 13 - 044			44	149	4.4	656	5.3	787	5.9	885	6.6	983	11.1	25
A 13 - 051			51	128	5.1	653	6.1	783	6.9	881	7.7	979	12.6	25
A 13 - 064			64	100	6.4	640	7.7	768	8.6	864	9.6	960	16.1	25
A 13 - 076			76	84	7.6	638	9.1	766	10.3	862	11.4	958	19.3	25
A 13 - 089	89	71	8.9	632	10.7	758	12.0	853	13.4	948	23.3	20		
A 13 - 102	102	61	10.2	622	12.2	747	13.8	840	15.3	933	26.9	10		
A 13 - 305	2.75 x 3.4		305	22	30.5	671	36.6	805	41.2	906	45.8	1007	94.0	10
A 16 - 032	16	8	32	449	3.2	1437	3.8	1724	4.3	1940	4.8	2155	6.6	50
A 16 - 038			38	363	3.8	1379	4.6	1655	5.1	1862	5.7	2069	8.1	25
A 16 - 044			44	309	4.4	1360	5.3	1632	5.9	1835	6.6	2039	10.1	25
A 16 - 051			51	256	5.1	1306	6.1	1567	6.9	1763	7.7	1958	11.3	25
A 16 - 064			64	203	6.4	1299	7.7	1559	8.6	1754	9.6	1949	14.3	25
A 16 - 076			76	166	7.6	1262	9.1	1514	10.3	1703	11.4	1892	18.0	20
A 16 - 089			89	139	8.9	1237	10.7	1485	12.0	1670	13.4	1856	20.5	20
A 16 - 102			102	114	10.2	1163	12.2	1395	13.8	1570	15.3	1744	24.3	20
A 16 - 115			115	105	11.5	1208	13.8	1449	15.5	1630	17.3	1811	27.0	10
A 16 - 127			127	94	12.7	1194	15.2	1433	17.1	1612	19.1	1791	31.5	10
A 16 - 152			152	78	15.2	1186	18.2	1423	20.5	1601	22.8	1778	38.0	10
A 16 - 305	3.5 x 4.75		305	38.8	30.5	1183	36.6	1420	41.2	1598	45.8	1775	77.2	10
A 20 - 044	20	10	44	452	4.4	1989	5.3	2387	5.9	2685	6.6	2983	8.9	25
A 20 - 051			51	378	5.1	1928	6.1	2313	6.9	2603	7.7	2892	10.6	25
A 20 - 064			64	301	6.4	1926	7.7	2312	8.6	2601	9.6	2890	13.8	25
A 20 - 076			76	247	7.6	1877	9.1	2253	10.3	2534	11.4	2816	16.2	25
A 20 - 089			89	208	8.9	1851	10.7	2221	12.0	2499	13.4	2777	20.1	20
A 20 - 102			102	188	10.2	1918	12.2	2301	13.8	2589	15.3	2876	22.3	20
A 20 - 115			115	159	11.5	1829	13.8	2194	15.5	2468	17.3	2743	25.5	10
A 20 - 127			127	146	12.7	1854	15.2	2225	17.1	2503	19.1	2781	27.9	10
A 20 - 152			152	120	15.2	1824	18.2	2189	20.5	2462	22.8	2736	34.1	10
A 20 - 305			4.0 x 6.0		305	60	30.5	1830	36.6	2196	41.2	2471	45.8	2745

new sizes

Special Springs **28-018**

How to order: A 50 - 152 (Series D_H - L₀)

1 N = 0.1 daN = 0.102 kgf Load (N) = R (N/mm) x Deflection (mm)

SERIES A

Code	D _H	D _d	L ₀	R	A	B	C	D	E	Pcs				
	Hole Diameter	Rod Diameter	Free Length	Spring Constant	10% L ₀	12% L ₀	13.5% L ₀	15% L ₀	do not use					
b x h				± 10%	+ 3.000.000	~ 1.500.000	300 - 500.000	100 - 200.000	approx.					
mm x mm		mm	N/mm	mm	N	mm	N	mm	N	mm				
A 25 - 044	25	12.5	44	1158	4.4	5095	5.3	6114	5.9	6879	6.6	7643	9.8	25
A 25 - 051			51	933	5.1	4758	6.1	5710	6.9	6424	7.7	7137	11.0	25
A 25 - 064			64	644	6.4	4122	7.7	4959	8.6	5564	9.6	6182	13	25
A 25 - 076			76	556	7.6	4226	9.1	5060	10.3	5705	11.4	6338	16	20
A 25 - 089			89	462	8.9	4112	10.7	4943	12.0	5551	13.4	6168	20	20
A 25 - 102			102	390	10.2	3978	12.2	4758	13.8	5370	15.3	5967	23	20
A 25 - 115			115	360	11.5	4140	13.8	4968	15.5	5589	17.3	6210	26	10
A 25 - 127			127	326	12.7	4140	15.2	4955	17.1	5589	19.1	6210	28	10
A 25 - 152			152	255	15.2	3876	18.2	4641	20.5	5233	22.8	5814	34	10
A 25 - 178			178	230	17.8	4094	21.4	4922	24.0	5527	26.7	6141	39	10
A 25 - 203	203	202	20.3	4101	24.4	4929	27.4	5536	30.5	6151	45	10		
A 25 - 305	5.6 x 7.5	305	136	30.5	4148	36.6	4978	41.2	5600	45.8	6222	63	5	
A 32 - 044	32	16	44	1300	4.4	5720	5.3	6890	5.9	7670	6.6	8643	9.3	20
A 32 - 051			51	1150	5.1	5865	6.1	7015	6.9	7935	7.7	8855	10.4	20
A 32 - 064			64	1077	6.4	6892	7.7	8270	8.6	9305	9.6	10337	13	20
A 32 - 076			76	874	7.6	6642	9.1	7971	10.3	8967	11.4	9964	16	20
A 32 - 089			89	721	8.9	6419	10.7	7702	12.0	8663	13.4	9628	20	10
A 32 - 102			102	620	10.2	6324	12.2	7589	13.8	8537	15.3	9486	23	10
A 32 - 115			115	560	11.5	6440	13.8	7728	15.5	8694	17.3	9660	26	10
A 32 - 127			127	496	12.7	6299	15.2	7559	17.1	8504	19.1	9449	28	10
A 32 - 152			152	408	15.2	6202	18.2	7442	20.5	8372	22.8	9302	34	10
A 32 - 178			178	353	17.8	6280	21.4	7536	24.0	8483	26.7	9420	39	5
A 32 - 203	203	304	20.3	6171	24.4	7405	27.4	8331	30.5	9257	45	5		
A 32 - 254	254	243	25.4	6177	30.5	7413	34.3	8332	38.1	9266	62	5		
A 32 - 305	7.5 x 9.2	305	196	30.5	5978	36.6	7174	41.2	8070	45.8	8967	75	5	
A 40 - 064	40	20	64	1128	6.4	7219	7.7	8663	8.6	9746	9.6	10829	12	10
A 40 - 076			76	1017	7.6	7729	9.1	9275	10.3	10434	11.4	11594	14.5	10
A 40 - 089			89	880	8.9	7832	10.7	9416	12.0	10573	13.4	11748	20	10
A 40 - 102			102	762	10.2	7772	12.2	9296	13.8	10493	15.3	11659	23	10
A 40 - 115			115	679	11.5	7809	13.8	9370	15.5	10541	17.3	11713	26	10
A 40 - 127			127	622	12.7	7899	15.2	9454	17.1	10664	19.1	11849	28	5
A 40 - 152			152	509	15.2	7737	18.2	9264	20.5	10445	22.8	11605	36	5
A 40 - 178			178	429	17.8	7636	21.4	9181	24.0	10309	26.7	11454	43	5
A 40 - 203			203	374	20.3	7592	24.4	9126	27.4	10249	30.5	11388	49	5
A 40 - 254			254	296	25.4	7518	30.5	9028	34.3	10150	38.1	11278	62	2
A 40 - 305	8.5 x 11.0	305	246	30.5	7530	36.6	9004	41.2	10129	45.8	11255	75	2	
A 50 - 064	50	25	64	1980	6.4	12672	7.7	15206	8.6	17107	9.6	19008	13.4	5
A 50 - 076			76	1811	7.6	13764	9.1	16516	10.3	18581	11.4	20645	16.3	5
A 50 - 089			89	1410	8.9	12549	10.7	15087	12.0	16941	13.4	18824	19	5
A 50 - 102			102	1215	10.2	12393	12.2	14823	13.8	16731	15.3	18590	22	5
A 50 - 115			115	1076	11.5	12374	13.8	14849	15.5	16705	17.3	18561	25	5
A 50 - 127			127	968	12.7	12294	15.2	14714	17.1	16596	19.1	18440	28	5
A 50 - 152			152	806	15.2	12251	18.2	14669	20.5	16539	22.8	18377	34	2
A 50 - 178			178	698	17.8	12424	21.4	14937	24.0	16773	26.7	18637	40	2
A 50 - 203			203	612	20.3	12424	24.4	14933	27.4	16772	30.5	18635	45	2
A 50 - 254			254	472	25.4	11989	30.5	14396	34.3	16185	38.1	17983	58	2
A 50 - 305	11.8 x 13.5	305	388	30.5	11834	36.6	14201	41.2	15976	45.8	17751	70	2	
A 63 - 076	63	38	76	1900	7.6	14440	9.1	17328	10.3	19494	11.4	21660	13	5
A 63 - 089			89	1517	8.9	13501	10.7	16202	12.0	18227	13.4	20252	20	5
A 63 - 102			102	1295	10.2	13209	12.2	15851	13.8	17832	15.3	19814	23	5
A 63 - 115			115	1070	11.5	12305	13.8	14766	15.5	16612	17.3	18458	27	5
A 63 - 127			127	979	12.7	12433	15.2	14920	17.1	16785	19.1	18650	30	2
A 63 - 152			152	775	15.2	11780	18.2	14136	20.5	15903	22.8	17670	35	2
A 63 - 178			178	630	17.8	11214	21.4	13457	24.0	15139	26.7	16821	44	2
A 63 - 203			203	546	20.3	11084	24.4	13301	27.4	14963	30.5	16626	48	2
A 63 - 254			254	423	25.4	10744	30.5	12893	34.3	14505	38.1	16116	62	2
A 63 - 305			11.8 x 17.8	305	349	30.5	10645	36.6	12773	41.2	14370	45.8	15967	77

A
NEW

new sizes

Special Springs 28-018

How to order: A 50 - 152

(Series) [D_H] - [L₀]

1 N = 0.1 daN = 0.102 kgf

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