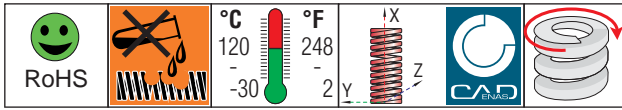
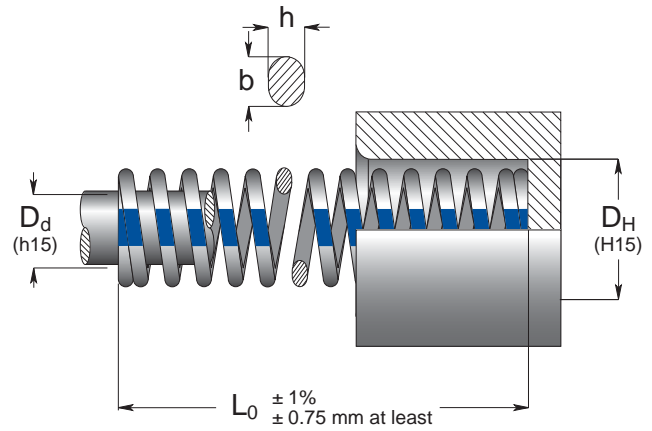


EN Light load springs
Silver-blue color

ES Muelles carga ligera
Color plateado-azul

FR Ressorts de charge légère
Argent-bleu



Code	D _H		L ₀	R	A		B		C		D		E	Pcs
	Hole Diameter	Rod Diameter			Free Length	Spring Constant	25% L ₀	40% L ₀	45% L ₀	50% L ₀	do not use approx.			
	b x h		± 10%	± 3.000.000	~ 1.500.000	300 - 500.000	100 - 200.000	mm	N	mm	N	mm	mm	
	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	mm	
MBL 10-025	9,5	4,7	25	14.4	6.3	91	10.0	144	11.3	162	12.5	180	13.5	50
MBL 10-032			32	12.3	8.0	98	12.8	157	14.4	177	16.0	197	17.5	50
MBL 10-038			38	9.8	9.5	93	15.2	149	17.1	168	19.0	186	20.8	50
MBL 10-044			44	8.8	11.0	97	17.6	155	19.8	174	22.0	194	23.9	50
MBL 10-051			51	7.5	12.8	96	20.4	153	23.0	172	25.5	191	28.9	25
MBL 10-064			64	4.9	16.0	78	25.6	125	28.8	141	32.0	157	36.1	25
MBL 10-076			76	3.8	19.0	72	30.4	116	34.2	130	38.0	144	43.2	25
MBL 10-305	1,96 x 1,00		305	1.2	76.3	92	122.0	146	137.3	165	152.5	183	178.7	10
MBL 13-025	13	7	25	18.9	6.3	119	10.0	189	11.3	213	12.5	236	13.2	50
MBL 13-032			32	15.4	8.0	123	12.8	197	14.4	222	16.0	246	18.0	50
MBL 13-038			38	13.5	9.5	128	15.2	205	17.1	231	19.0	257	21.0	50
MBL 13-044			44	11.8	11.0	130	17.6	208	19.8	234	22.0	260	24.0	25
MBL 13-051			51	10.0	12.8	128	20.4	204	23.0	230	25.5	255	28.7	25
MBL 13-064			64	7.6	16.0	122	25.6	195	28.8	219	32.0	243	35.8	25
MBL 13-076			76	5.9	19.0	112	30.4	179	34.2	202	38.0	224	42.7	25
MBL 13-089	89	4.8	22.3	107	35.6	171	40.1	192	44.5	214	50.4	20		
MBL 13-102	102	3.4	25.5	87	40.8	139	45.9	156	51.0	173	58.4	10		
MBL 13-305	2,50 x 1,46		305	1.6	76.3	122	122.0	195	137.3	220	152.5	244	172.0	10
MBL 16-025	16	8,7	25	22.9	6.3	144	10.0	229	11.3	258	12.5	286	12.7	50
MBL 16-032			32	22.5	8.0	180	12.8	288	14.4	324	16.0	360	16.6	50
MBL 16-038			38	18.9	9.5	180	15.2	287	17.1	323	19.0	359	20.0	25
MBL 16-044			44	16.8	11.0	185	17.6	296	19.8	333	22.0	370	23.4	25
MBL 16-051			51	15.4	12.8	197	20.4	314	23.0	353	25.5	393	26.8	25
MBL 16-064			64	10.5	16.0	168	25.6	269	28.8	302	32.0	336	33.2	25
MBL 16-075			76	9.8	19.0	186	30.4	298	34.2	335	38.0	372	41.8	20
MBL 16-089	89	8.4	22.3	187	35.6	299	40.1	336	44.5	374	48.6	20		
MBL 16-102	102	7.7	25.5	196	40.8	314	45.9	353	51.0	393	55.5	20		
MBL 16-115	115	5.9	28.8	170	46.0	271	51.8	305	57.5	339	62.2	10		
MBL 16-305	2,80 x 1,88		305	2.5	76.3	191	122.0	305	137.3	343	152.5	381	170.9	10
MBL 19-025	19,5	9,5	25	53.0	6.3	334	10.0	530	11.3	596	12.5	663	12.7	50
MBL 19-032			32	43.1	8.0	345	12.8	552	14.4	621	16.0	690	17.0	50
MBL 19-038			38	34.3	9.5	326	15.2	521	17.1	587	19.0	652	20.3	25
MBL 19-044			44	30.4	11.0	334	17.6	535	19.8	602	22.0	669	23.5	25
MBL 19-051			51	25.5	12.8	326	20.4	520	23.0	585	25.5	650	27.4	25
MBL 19-064			64	20.6	16.0	330	25.6	527	28.8	593	32.0	659	34.7	25
MBL 19-076			76	16.2	30.4	492	38.0	616	34.2	554	42.4	687	42.4	25
MBL 19-089	89	14.2	22.3	317	35.6	506	40.1	569	44.5	632	48.9	20		
MBL 19-102	102	12.2	25.5	311	40.8	498	45.9	560	51.0	622	56.6	20		
MBL 19-115	115	11.0	28.8	317	46.0	506	51.8	569	57.5	633	64.1	10		
MBL 19-127	127	9.8	31.8	312	50.8	498	57.2	560	63.5	622	71.7	10		
MBL 19-140	140	8.3	35.0	291	56.0	465	63.0	523	70.0	581	79.8	10		
MBL 19-152	152	7.2	38.0	274	60.8	438	68.4	492	76.0	547	85.9	10		
MBL 19-305	4,00 x 2,00		305	4.1	76.3	313	122.0	500	137.3	563	152.5	625	167.8	10

Code	D _H	D _d	L ₀	R	A	B	C	D	E	Pcs								
	Hole Diameter	Rod Diameter	Free Length	Spring Constant	25% L ₀	40% L ₀	45% L ₀	50% L ₀	do not use approx.									
	b x h			± 10%	+ 3.000.000	~ 1.500.000	300 - 500.000	100 - 200.000	mm									
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	N	mm	N	mm	N
MBL 26 - 025	25,5	13	25	107.9	6.3	680	10.0	1079	11.3	1214	12.5	1349	12.6	50				
MBL 26 - 032			32	80.4	8.0	643	12.8	1029	14.4	1158	16.0	1286	16.1	25				
MBL 26 - 038			38	62.8	9.5	597	15.2	955	17.1	1074	19.0	1193	19.1	25				
MBL 26 - 044			44	52.0	11.0	572	17.6	915	19.8	1030	22.0	1144	22.9	25				
MBL 26 - 051			51	43.1	12.8	552	20.4	879	23.0	989	25.5	1099	27.3	25				
MBL 26 - 064			64	35.3	16.0	565	25.6	904	28.8	1017	32.0	1130	33.3	25				
MBL 26 - 076			76	29.4	19.0	559	30.4	894	34.2	1005	38.0	1117	39.5	20				
MBL 26 - 089			89	24.5	22.3	546	35.6	872	40.1	981	44.5	1090	47.7	20				
MBL 26 - 102			102	21.6	25.5	551	40.8	881	45.9	991	51.0	1102	56.4	20				
MBL 26 - 115			115	18.6	28.8	536	46.0	856	51.8	963	57.5	1070	62.2	10				
MBL 26 - 127			127	17.2	31.8	547	50.8	874	57.2	983	63.5	1092	69.4	10				
MBL 26 - 140			140	15.7	35.0	550	56.0	879	63.0	989	70.0	1099	76.9	10				
MBL 26 - 152			152	14.7	38.0	559	60.8	894	68.4	1005	76.0	1117	83.0	10				
MBL 26 - 178			178	12.7	44.5	565	71.2	904	80.1	1017	89.0	1130	98.6	10				
MBL 26 - 203	203	10.8	50.8	549	81.2	877	91.4	987	101.5	1096	111.9	10						
MBL 26 - 305	5,50 x 2,50	305	7.4	76.3	565	122.0	903	137.3	1016	152.5	1129	165.4	5					
MBL 32 - 038	32	16	38	88.3	9.5	839	15.2	1342	17.1	1510	19.0	1678	19.2	20				
MBL 32 - 044			44	76.5	11.0	842	17.6	1346	19.8	1515	22.0	1683	22.4	20				
MBL 32 - 051			51	60.8	12.8	778	20.4	1240	23.0	1395	25.5	1550	25.8	20				
MBL 32 - 064			64	49.0	16.0	784	25.6	1254	28.8	1411	32.0	1568	33.1	20				
MBL 32 - 076			76	41.2	19.0	783	30.4	1252	34.2	1409	38.0	1566	39.9	20				
MBL 32 - 089			89	35.3	22.3	787	35.6	1257	40.1	1414	44.5	1571	47.1	10				
MBL 32 - 102			102	30.4	25.5	775	40.8	1240	45.9	1395	51.0	1550	54.4	10				
MBL 32 - 115			115	27.5	28.8	792	46.0	1265	51.8	1423	57.5	1581	61.1	10				
MBL 32 - 127			127	23.5	31.8	747	50.8	1194	57.2	1343	63.5	1492	68.2	10				
MBL 32 - 140			140	21.6	35.0	756	56.0	1210	63.0	1361	70.0	1512	75.7	10				
MBL 32 - 152			152	19.6	38.0	745	60.8	1192	68.4	1341	76.0	1490	82.3	10				
MBL 32 - 178			178	17.7	44.5	788	71.2	1260	80.1	1418	89.0	1575	97.3	5				
MBL 32 - 203			203	14.7	50.8	747	81.2	1194	91.4	1343	101.5	1492	110.2	5				
MBL 32 - 254			254	12.7	63.5	806	101.6	1290	114.3	1452	127.0	1613	137.9	5				
MBL 32 - 305	6,90 x 3,00	305	9.8	76.3	748	122.0	1196	137.3	1345	152.5	1495	163.8	5					
MBL 38 - 051	38,5	19,5	51	71.4	12.8	042	20.4	1661	23.0	1639	25.5	2076	26.3	20				
MBL 38 - 064			64	62.8	16.0	1005	25.6	1608	28.8	1809	32.0	2010	33.1	10				
MBL 38 - 076			76	51.0	19.0	969	30.4	1550	34.2	1744	38.0	1938	39.9	10				
MBL 38 - 089			89	43.1	22.6	961	35.6	1534	40.1	1726	44.5	1918	47.4	10				
MBL 38 - 102			102	36.3	25.5	926	40.8	1481	45.9	1666	51.0	1851	54.7	10				
MBL 38 - 115			115	32.4	28.8	933	46.0	1490	51.8	1677	57.5	1863	61.4	10				
MBL 38 - 127			127	29.4	31.8	935	50.8	1494	57.2	1680	63.5	1867	68.1	5				
MBL 38 - 140			140	27.0	35.0	945	56.0	1512	63.0	1701	70.0	1890	76.8	5				
MBL 38 - 152			152	24.5	38.0	931	60.8	1490	68.4	1676	76.0	1862	82.5	5				
MBL 38 - 178			178	21.6	44.5	961	71.2	1539	80.1	1730	89.0	1922	97.9	5				
MBL 38 - 203			203	18.6	50.8	945	81.2	1510	91.4	1699	101.5	1888	110.3	5				
MBL 38 - 254			254	14.7	63.5	933	101.6	1494	114.3	1680	127.0	1867	140.0	2				
MBL 38 - 305			8,00 x 3,50	305	10.8	76.3	824	122.0	1318	137.3	1482	152.5	1647	164.1	2			
MBL 51 - 064			51	25,5	64	156.9	16.0	2510	25.6	4017	28.8	4519	32.0	5021	32.1	5		
MBL 51 - 076	76	132.4			19.0	2516	30.4	4025	34.2	4528	38.0	5031	41.2	5				
MBL 51 - 089	89	114.7			22.3	2558	35.6	4083	40.1	4594	44.5	5104	48.1	5				
MBL 51 - 102	102	98.1			25.5	2502	40.8	4002	45.9	4503	51.0	5003	54.7	5				
MBL 51 - 115	115	87.3			28.8	2514	46.0	4016	51.8	4518	57.5	5020	62.2	5				
MBL 51 - 127	127	77.5			31.8	2465	50.8	3937	57.2	4429	63.5	4921	69.4	5				
MBL 51 - 140	140	69.6			35.0	2436	56.0	3898	63.0	4385	70.0	4872	76.8	5				
MBL 51 - 152	152	64.7			38.0	2459	60.8	3934	68.4	4425	76.0	4917	81.9	2				
MBL 51 - 178	178	53.0			44.5	2359	71.2	3774	80.1	4245	89.0	4717	98.1	2				
MBL 51 - 203	203	47.1			50.8	239	81.2	3825	91.4	4303	101.5	4781	112.5	2				
MBL 51 - 254	254	37.5			63.5	2381	101.6	3810	114.3	4286	127.0	4763	141.2	2				
MBL 51 - 305	11,50 x 5,00	305			31.4	76.3	2396	122.0	3831	137.3	4310	152.5	4789	169.9	2			
MBL 63 - 076	63	38			76	189.3	19.0	3597	30.4	5755	34.2	6474	38.0	7193	38.4	5		
MBL 63 - 089					89	156.9	22.3	3499	35.6	5586	40.1	6284	44.5	6982	46.0	5		
MBL 63 - 102			102	133.4	25.5	3402	40.8	5443	45.9	6123	51.0	6803	52.8	5				
MBL 63 - 115			115	116.7	28.8	3361	46.0	5368	51.8	6039	57.5	6710	59.7	5				
MBL 63 - 127			127	104.0	31.8	3307	50.8	5283	57.2	5944	63.5	6604	67.4	2				
MBL 63 - 140			140	93.1	35.0	3259	56.0	5214	63.0	5865	70.0	6517	74.7	2				
MBL 63 - 152			152	84.3	38.0	3203	60.8	5125	68.4	5766	76.0	6407	81.9	2				
MBL 63 - 178			178	82.6	44.5	3231	71.2	5169	80.1	6616	89.0	6461	98.5	2				
MBL 63 - 203			203	62.8	50.8	3190	81.2	5099	91.4	5737	101.5	6374	109.1	2				
MBL 63 - 254			254	47.1	63.5	2991	101.6	4785	114.3	5384	127.0	5982	140.2	2				
MBL 63 - 305			11,76 x 7,20	305	38.2	76.3	2915	122.0	4660	137.3	5243	152.5	5826	162.9	2			

MBL
Metric