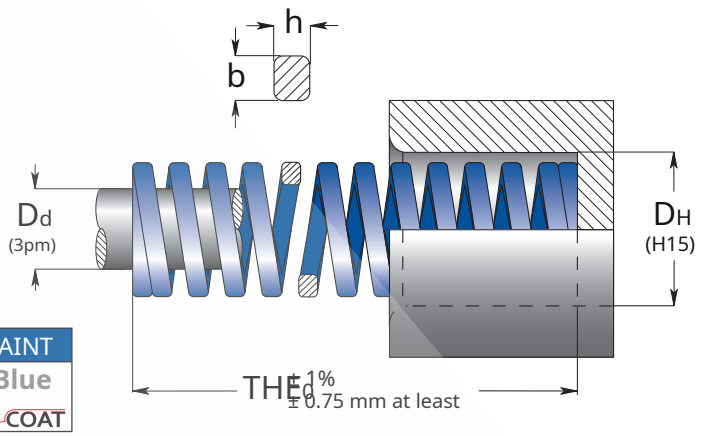
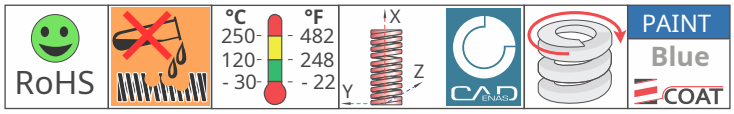
B SERIES

ISO 10243
Rectangular Wire

IT Medium load springs
EN Medium load springs
FRON Federn für mittlere Spannung
FR Ressorts charge moyenne
ES Muelles carga mediana
PT Molas carga média





Code	DH Hole Diameter	Dd Rod Diameter	THER Free Length	Spring Rate	TO 25%THE 0		B 30%TH		C 33.75%THE 0		D 37.5%THE 0		AND approx. do not use	
	bxh			± 10%	+ 3,000,000		~ 1,500,000		300 - 500,000		100 - 200,000			
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	Pcs
B 10 - 025			25	16.0	6.3	100.8	7.5	120.0	8.4	134.4	9.4	150.4	10.2	50
B 10 - 032			32	13.0	8.0	104.0	9.6	124.8	10.8	140.4	12.0	156.0	14.2	50
B 10 - 038			38	11.9	9.5	113.1	11.4	135.7	12.8	152.3	14.2	169.0	16.8	50
B 10 - 044	10	5	44	10.3	11.0	113.3	13.2	136.0	14.9	153.5	16.5	170.0	19.4	50
B 10 - 051			51	8.9	12.8	113.9	15.3	136.2	17.2	153.1	19.1	170.0	23.4	25
B 10 - 064			64	7.5	16.0	120.0	19.2	144.0	21.6	162.0	24.0	180.0	28.2	25
B 10 - 076			76	6.2	19.0	117.8	22.8	141.4	25.7	159.3	28.5	176.7	34.2	25
* B 10 - 102			102	4.4	25.5	112	30.6	134.6	34.4	151.4	38.3	168.5	44	10
B 10 - 305	1.9 x 1.3		305	1.6	76.3	122.1	91.5	146.4	102.9	164.6	114.0	182.4	134.0	10
B 13 - 025			25	30.0	6.3	189.0	7.5	225.0	8.4	252.0	9.4	282.0	11.9	50
B 13 - 032			32	24.8	8.0	198.4	9.6	238.1	10.8	267.8	12.0	297.6	16.2	50
B 13 - 038			38	21.4	9.5	203.3	11.4	244.0	12.8	273.9	14.2	303.9	18.7	50
B 13 - 044			44	18.0	11.0	198.0	13.2	237.6	14.9	268.2	16.5	297.0	21.3	25
B 13 - 051	12.5 6.3		51	15.5	12.8	198.4	15.3	237.2	17.2	266.6	19.1	296.1	25.6	25
B 13 - 064			64	12.1	16.0	193.6	19.2	232.3	21.6	261.4	24.0	290.4	32.4	25
B 13 - 076			76	10.2	19.0	193.8	22.8	232.6	25.7	262.1	28.5	290.7	39.0	25
B 13 - 089			89	8.4	22.3	187.3	26.7	224.3	30.0	252.0	33.3	279.7	45.9	20
B 13 - 102			102	6.3	25.5	160.7	30.6	192.8	34.4	216.7	38.3	241.0	52.3	10
B 13 - 305	2.5 x 1.5		305	2.4	76.3	183.1	91.5	219.6	102.9	247.0	114.0	273.6	153.0	10
B 16 - 025			25	49.4	6.3	311.2	7.5	370.5	8.4	415.0	9.4	464.4	10.5	50
B 16 - 032			32	38.5	8.0	308.0	9.6	369.6	10.8	415.8	12.0	462.0	13.2	50
B 16 - 038			38	33.9	9.5	322.1	11.4	386.5	12.8	433.9	14.2	481.4	17.2	25
B 16 - 044			44	30.0	11.0	330.0	13.2	396.0	14.9	447.0	16.5	495.0	19.4	25
B 16 - 051	16	8	51	26.4	12.8	337.9	15.3	403.9	17.2	454.1	19.1	504.2	24.2	25
B 16 - 064			64	20.5	16.0	328.0	19.2	393.6	21.6	442.8	24.0	492.0	29.2	25
B 16 - 076			76	17.8	19.0	338.2	22.8	405.8	25.7	457.5	28.5	507.3	36.3	20
B 16 - 089			89	15.2	22.3	339.0	26.7	405.8	30.0	456.0	33.3	506.2	41.7	20
B 16 - 102			102	13.5	25.5	344.3	30.6	413.1	34.4	464.4	38.2	515.7	48.9	20
B 16 - 115			115	11.8	28.8	339.8	34.5	407.1	38.8	457.8	43.1	508.6	53.1	10
B 16 - 305	3.2 x 2.0		305	4.3	76.3	328.1	91.5	393.5	102.9	442.5	114.0	490.2	142.0	10
B 20 - 025			25	98.0	6.3	617.4	7.5	735.0	8.4	823.2	9.4	921.2	10.5	50
B 20 - 032			32	72.6	8.0	580.8	9.6	697.0	10.8	784.1	12.0	871.2	13.9	50
B 20 - 038			38	56.0	9.5	532.0	11.4	638.4	12.8	716.8	14.2	795.2	16.6	25
B 20 - 044			44	47.5	11.0	522.5	13.2	627.0	14.9	707.8	16.5	783.8	18.8	25
B 20 - 051			51	41.7	12.8	533.8	15.3	638.0	17.2	717.2	19.1	796.5	23.1	25
B 20 - 064			64	32.3	16.0	516.8	19.2	620.2	21.6	697.7	24.0	775.2	27.5	25
B 20 - 076	20	10	76	25.1	19.0	476.9	22.8	572.3	25.7	645.1	28.5	715.4	33.8	25
B 20 - 089			89	22.0	22.3	490.6	26.7	587.4	30.0	660.0	33.3	732.6	39.7	20
B 20 - 102			102	19.8	25.5	504.9	30.6	605.9	34.4	681.1	38.2	756.4	47.3	20
B 20 - 115			115	18.1	28.8	521.3	34.5	624.5	38.8	702.3	43.1	780.1	52.5	10
B 20 - 127			127	16.6	31.8	527.9	38.1	632.5	42.9	712.1	47.6	790.2	56.9	10
B 20 - 139			139	15.1	34.8	525.5	41.7	629.7	46.9	708.2	52.1	786.7	62.1	10
B 20 - 152			152	13.2	38.0	501.6	45.6	601.9	51.3	677.2	57.0	752.4	67.6	10
B 20 - 305	4.1 x 2.4		305	6.1	76.3	465.4	91.5	558.2	102.9	627.7	114.0	695.4	143.0	10
B 25 - 025			25	157.0	6.3	989	7.5	1178	8.4	1319	9.4	1476	10.2	50
B 25 - 032			32	118.0	8.0	944	9.6	1133	10.8	1274	12.0	1416	13.7	25
B 25 - 038			38	93.0	9.5	884	11.4	1060	12.8	1190	14.2	1321	15.7	25
B 25 - 044			44	80.8	11.0	889	13.2	1067	14.9	1204	16.5	1333	18.2	25
B 25 - 051	25	12.5	51	68.6	12.8	878	15.3	1050	17.2	1180	19.1	1310	21.7	25

How to order: B 50 - 152 (Series DH -) THE0

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

ISO 10243
Rectangular Wire

SERIES B

Code	D_H Hole Diameter	D_d Rod Diameter	THER Free Length	Spring Rate	TO 25%THE 0		B 30%THE 0		C 33.75%THE 0		D 37.5%THE 0		AND approx. do not use	
	bxh			± 10%	+ 3,000,000		~ 1,500,000		300 - 500,000		100 - 200,000			
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	mm	Pcs
B 25 - 064	25	12.5	64	53.0	16.0	848	19.2	1018	21.6	1145	24.0	1272	26.0	25
B 25 - 076			76	43.2	19.0	821	22.8	985	25.7	1110	28.5	1231	32.3	20
B 25 - 089			89	38.2	22.3	852	26.7	1020	30.0	1146	33.3	1272	38.0	20
B 25 - 102			102	33.0	25.5	842	30.6	1010	34.4	1135	38.2	1261	43.0	20
B 25 - 115			115	28.0	28.8	806	34.5	966	38.8	1086	43.1	1207	48.6	10
B 25 - 127			127	25.9	31.8	824	38.1	987	42.9	1111	47.6	1233	53.7	10
B 25 - 139			139	23.2	34.8	807	41.7	967	46.9	1088	52.1	1209	59.4	10
B 25 - 152			152	20.8	38.0	790	45.6	948	51.3	1067	57.0	1186	63.8	10
B 25 - 178			178	17.8	44.5	792	53.4	951	60.1	1070	66.7	1187	76.6	10
B 25 - 203			203	15.8	50.8	803	60.9	962	68.5	1082	76.1	1202	88.4	10
B 25 - 305	5.4 x 3.3		305	10.2	76.3	778	91.5	933	102.9	1050	114.0	1163	135.0	5
B 32 - 038	32	16	38	185.0	9.5	1758	11.4	2109	12.8	2368	14.2	2627	16.3	20
B 32 - 044			44	158.0	11.0	1738	13.2	2086	14.9	2354	16.5	2607	18.9	20
B 32 - 051			51	134.0	12.8	1715	15.3	2050	17.2	2305	19.1	2559	23.1	20
B 32 - 064			64	99.0	16.0	1584	19.2	1901	21.6	2138	24.0	2376	28.5	20
B 32 - 076			76	80.5	19.0	1530	22.8	1835	25.7	2069	28.5	2294	34.2	20
B 32 - 089			89	69.1	22.3	1541	26.7	1845	30.0	2073	33.3	2301	40.4	10
B 32 - 102			102	58.8	25.5	1499	30.6	1799	34.4	2023	38.2	2246	48.0	10
B 32 - 115			115	51.5	28.8	1483	34.5	1777	38.8	1998	43.1	2220	54.3	10
B 32 - 127			127	44.8	31.8	1425	38.1	1707	42.9	1922	47.6	2132	59.2	10
B 32 - 139			139	42.3	34.8	1472	41.7	1764	46.9	1984	52.1	2204	65.3	10
B 32 - 152			152	37.8	38.0	1436	45.6	1724	51.3	1939	57.0	2155	73.0	10
B 32 - 178			178	32.5	44.5	1446	53.4	1736	60.1	1953	66.7	2168	84.5	5
B 32 - 203			203	28.9	50.8	1468	60.9	1760	68.5	1980	76.1	2199	96.9	5
B 32 - 254			254	22.2	63.5	1410	76.2	1692	85.7	1903	95.2	2113	121.0	5
B 32 - 305	6.8 x 4.0		305	18.3	76.3	1396	91.5	1674	102.9	1883	114.0	2086	147.0	5
B 40 - 051	40	20	51	182.0	12.8	2330	15.3	2785	17.2	3130	19.1	3476	21.4	20
B 40 - 064			64	140.0	16.0	2240	19.2	2688	21.6	3024	24.0	3360	26.8	10
B 40 - 076			76	108.0	19.0	2052	22.8	2462	25.7	2776	28.5	3078	32.7	10
B 40 - 089			89	90.7	22.3	2023	26.7	2422	30.0	2721	33.3	3020	39.0	10
B 40 - 102			102	81.0	25.5	2066	30.6	2479	34.4	2786	38.2	3094	44.1	10
B 40 - 115			115	71.8	28.8	2068	34.5	2477	38.8	2786	43.1	3095	50.6	10
B 40 - 127			127	62.7	31.8	1994	38.1	2389	42.9	2690	47.6	2985	55.9	5
B 40 - 139			139	57.5	34.8	2001	41.7	2398	46.9	2697	52.1	2996	61.8	5
B 40 - 152			152	51.6	38.0	1961	45.6	2353	51.3	2647	57.0	2941	67.5	5
B 40 - 178			178	44.1	44.5	1962	53.4	2355	60.1	2650	66.7	2941	77.2	5
B 40 - 203			203	36.7	50.8	1864	60.9	2235	68.5	2514	76.1	2793	91.8	5
B 40 - 254			254	30.1	63.5	1911	76.2	2294	85.7	2580	95.2	2866	113.0	2
B 40 - 305	8.2 x 4.7		305	24.6	76.3	1877	91.5	2251	102.9	2531	114.0	2804	138.0	2
B 50 - 064	50	25	64	209.0	16.0	3344	19.2	4013	21.6	4514	24.0	5016	28.2	5
B 50 - 076			76	168.0	19.0	3192	22.8	3830	25.7	4318	28.5	4788	34.9	5
B 50 - 089			89	140.0	22.3	3122	26.7	3738	30.0	4200	33.3	4662	39.2	5
B 50 - 102			102	119.0	25.5	3035	30.6	3641	34.4	4094	38.2	4546	47.3	5
B 50 - 115			115	106.0	28.8	3053	34.5	3657	38.8	4113	43.1	4569	52.6	5
B 50 - 127			127	97.0	31.8	3085	38.1	3696	42.9	4161	47.6	4617	59.8	5
B 50 - 139			139	87.0	34.8	3028	41.7	3628	46.9	4080	52.1	4533	65.1	5
B 50 - 152			152	80.0	38.0	3040	45.6	3648	51.3	4104	57.0	4560	70.8	2
B 50 - 178			178	69.5	44.5	3093	53.4	3711	60.1	4177	66.7	4636	84.2	2
B 50 - 203			203	59.8	50.8	3038	60.9	3642	68.5	4096	76.1	4551	96.5	2
B 50 - 229			229	50.9	57.3	2917	68.7	3497	77.3	3935	85.8	4367	108.0	2
B 50 - 254			254	46.0	63.5	2921	76.2	3505	85.7	3942	95.2	4379	122.0	2
B 50 - 305	11.1 x 5.8		305	38.6	76.3	2945	91.5	3532	102.9	3972	114.0	4400	147.0	2
B 63 - 076	63	38	76	320.0	19.0	6080	22.8	7296	25.7	8224.0	28.5	9120	30.7	5
B 63 - 089			89	260.0	22.3	5798	26.7	6942	30.0	7800.0	33.3	8658	36.5	5
B 63 - 102			102	221.0	25.5	5636	30.6	6763	34.4	7602.0	38.2	8442	43.6	5
B 63 - 115			115	187.0	28.8	5386	34.5	6452	38.8	7256.0	43.1	8060	48.9	5
B 63 - 127			127	168.0	31.8	5342	38.1	6401	42.9	7207.0	47.6	7997	54.2	2
B 63 - 152			152	136.0	38.0	5168	45.6	6202	51.3	6977.0	57.0	7752	65.7	2
B 63 - 178			178	114.0	44.5	5073	53.4	6088	60.1	6851.0	66.7	7604	76.5	2
B 63 - 203			203	100.0	50.8	5080	60.9	6090	68.5	6850.0	76.1	7610	88.0	2
B 63 - 229			229	89.2	57.3	5111	68.7	6128	77.3	6895.0	85.8	7653	104.0	2
B 63 - 254			254	78.4	63.5	4978	76.2	5974	85.7	6719.0	95.2	7464	112.0	2
B 63 - 305			305	64.7	76.3	4937	91.5	5920	102.9	6658.0	114.0	7376	134.0	2
B 63 - 315			315	60	78.8	4725	94.5	5670	106.3	6378.8	118.1	7087.5	140.0	2
* **B 63 - 350**			350	55.8	87.5	4882.5	105.0	5859	118.1	6591.4	131.3	7323.8	150.0	2
B 63 - 400	11.5 x 9.1		400	48.5	100	4850	120.0	5820	135.0	6547.5	150.0	7275	160.0	2

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* **new sizes:** no ISO 10243

How to order: B 50 - 152 (Series D_H -)TH E_0 1 N = 0.1 daN = 0.102 kgf Load (N) = R (N/mm) x Deflection (mm)