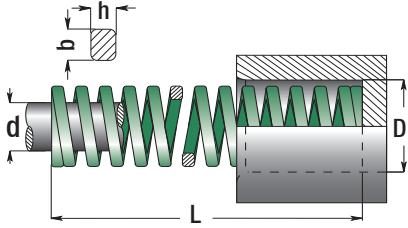




**Light Load Spring**  
ISO 10243 / Colour: Green

Code: **YY**



By multiplying spring coefficient (R) with compression / load rate (mm) simply, spring force value is reached.

Example: R x (A.B.C)

**Nw - Newton = (0.102) Kgf**

D	d	L	R	A	B	C	D
Outer Dia.	Rod Dia.	Length	Load Rate	Long Life % 25	Min. Deflect. % 30	Max. Deflect. % 40	Full Deflect. Breakable
b x h	mm	Nw.	mm	mm	mm	mm	mm
10	5	25	10.0	6.30	7.50	10.0	13.5
		32	8.50	8.00	9.60	12.8	17.5
		38	6.80	9.50	11.4	15.2	20.8
		44	6.00	11.0	13.2	17.6	23.9
		51	5.00	12.8	15.3	20.4	28.9
		64	4.30	16.0	19.2	25.6	36.1
		76	3.20	19.0	22.8	30.4	43.2
		305	1.10	76.3	91.5	122	178
1.7x1.1	305	1.10	76.3	91.5	122	178	
13	6.3	25	17.9	6.30	7.50	10.0	13.2
		32	16.4	8.00	9.60	12.8	18.0
		38	13.6	9.50	11.4	15.2	21.0
		44	12.1	11.0	13.2	17.6	24.0
		51	11.4	12.8	15.3	20.4	28.7
		64	9.30	16.0	19.2	25.6	35.8
		76	7.10	19.0	22.8	30.4	42.7
		89	5.40	22.3	26.7	35.6	50.4
		102	4.10	25.5	30.6	40.8	58.4
		305	1.40	76.3	91.5	122	172

Order: **YY. D x L**

Usage: It is compatible with injection mould systems and equipment designs.

**Light Load Spring**

Code: **YY**

D	d	L	R	A	B	C	D
Outer Dia.	Rod Dia.	Length	Load Rate	Long Life % 25	Min. Deflect. % 30	Max. Deflect. % 40	Full Deflect. Breakable
b x h	mm	Nw.	mm	mm	mm	mm	mm
16	8	25	23.4	6.3	7.5	10.0	12.6
		32	22.9	8.0	9.6	12.8	16.4
		38	19.3	9.5	11.4	15.2	19.7
		44	17.1	11.0	13.2	17.6	22.5
		51	15.7	12.8	15.3	20.4	26.3
		64	10.7	16.0	19.2	25.6	33.3
		76	10.0	19.0	22.8	30.4	40.2
		89	8.60	22.3	26.7	35.6	47.6
		102	7.80	25.5	30.6	40.8	55.4
		115	6.60	28.8	34.5	46.0	60.8
3.2x1.5	305	2.50	76.3	91.5	122	165	
20	10	25	55.8	6.3	7.5	10.0	12.1
		32	45.0	8.0	9.6	12.8	15.3
		38	33.3	9.5	11.4	15.2	18.9
		44	30.0	11.0	13.2	17.6	21.5
		51	24.5	12.8	15.3	20.4	25.0
		64	20.0	16.0	19.2	25.6	31.1
		76	16.0	19.0	22.8	30.4	37.3
		89	14.0	22.3	26.7	35.6	44.5
		102	12.0	25.5	30.6	40.8	51.1
		115	10.9	28.8	34.5	46.0	58.2
		127	9.50	31.8	38.1	50.8	64.9
		139	8.40	35.0	42.0	56.0	71.5
152	7.50	38.0	45.6	60.8	78.8		
4 x 2.1	305	4.00	76.3	91.5	122	157	
25	12.5	25	100	6.3	7.5	10.0	11.9
		32	80.3	8.0	9.6	12.8	16.0
		38	62.0	9.5	11.4	15.2	18.3
		44	52.9	11.0	13.2	17.6	21.4
		51	44.0	12.8	15.3	20.4	24.9
		64	35.2	16.0	19.2	25.6	31.4
		76	28.0	19.0	22.8	30.4	37.5
		89	24.0	22.3	26.7	35.6	43.5
		102	21.1	25.5	30.6	40.8	51.1
		115	18.7	28.8	34.5	46.0	58.1
		127	16.7	31.8	38.1	50.8	64.1
		139	15.3	35.0	42.0	56.0	70.4
		152	14.0	38.0	45.6	60.8	77.1
		178	12.5	44.5	53.4	71.2	93.1
203	10.4	50.8	60.9	81.2	103		
5.4x2.7	305	7.00	76.3	91.5	122	156	
32	16	38	94.0	9.5	11.4	15.2	18.3
		44	79.5	11.0	13.2	17.6	21.5
		51	67.0	12.8	15.3	20.4	25.5
		64	53.0	16.0	19.2	25.6	31.9

D	d	L	R	A	B	C	D
Outer Dia.	Rod Dia.	Length	Load Rate	Long Life % 25	Min. Deflect. % 30	Max. Deflect. % 40	Full Deflect. Breakable
b x h	mm	Nw.	mm	mm	mm	mm	mm
32	16	76	44.0	19.0	22.8	30.4	38.6
		89	37.2	22.3	26.7	35.6	46.5
		102	32.0	25.5	30.6	40.8	53.2
		115	29.0	28.8	34.5	46.0	60.0
		127	25.0	31.8	38.1	50.8	66.7
		139	23.0	35.0	42.0	56.0	71.8
		152	21.5	38.0	45.6	60.8	78.5
		178	18.2	44.5	53.4	71.2	94.4
		203	15.8	50.8	60.9	81.2	107
		254	12.5	63.5	76.2	102.0	136
6.8x3.3	305	10.3	76.3	91.5	122.0	163	
40	20	51	92.0	12.8	15.3	20.4	25.5
		64	73.0	16.0	19.2	25.6	31.4
		76	63.0	19.0	22.8	30.4	37.8
		89	51.0	22.3	26.7	35.6	44.3
		102	43.0	25.5	30.6	40.8	50.7
		115	39.6	28.8	34.5	46.0	58.1
		127	37.0	31.8	38.1	50.8	64.6
		139	32.0	35.0	42.0	56.0	70.1
		152	28.0	38.0	45.6	60.8	76.6
		178	25.2	44.5	53.4	71.2	90.4
		203	22.7	50.8	60.9	81.2	102
		254	17.0	63.5	76.2	102.0	129
8.1x4	305	14.8	76.3	91.5	122.0	156	
50	25	64	156.0	16.0	19.2	25.6	31.0
		76	125.0	19.0	22.8	30.4	37.2
		89	109.0	22.3	26.7	35.6	43.6
		102	94.0	25.5	30.6	40.8	50.3
		115	81.0	28.8	34.5	46.0	58.1
		127	71.0	31.8	38.1	50.8	63.7
		139	66.5	35.0	42.0	56.0	69.5
		152	60.0	38.0	45.6	60.8	76.5
		178	52.0	44.5	53.4	71.2	91.9
		203	44.0	50.8	60.9	81.2	105
254	35.0	63.5	76.2	102	131		
10.9x5.3	305	28.5	76.3	91.5	122	155	
63	38	76	189.0	19.0	22.8	30.4	36.5
		89	158.0	22.3	26.7	35.6	43.4
		102	131.0	25.5	30.6	40.8	49.7
		115	116.0	28.8	34.5	46.0	55.6
		127	103.0	31.8	38.1	50.8	62.7
		152	84.3	38.0	45.6	60.8	77.1
		178	71.5	44.5	53.4	71.2	92.2
		203	61.7	50.8	60.9	81.2	103
		254	47.0	63.5	76.2	102	130
		11x7.8	305	38.2	76.3	91.5	122