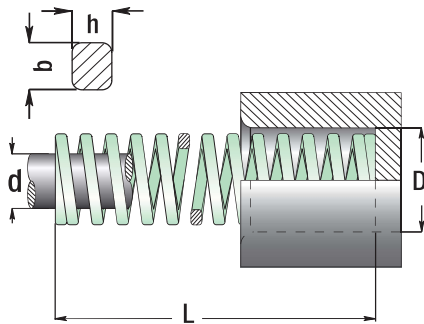




Extra Light Load Spring Code: **AYY**
Colour: Light Green



Especially suitable to injection mould systems.

Long Life Usage of Wire Springs:
It depends on the quality of spring material, working conditions and design conditions that are used. In all applications using springs, preloading and compression rates specified for long life usage should be adhered. Appropriate tension values can be found at the loading value table and tension / spring life table.

For long life usage, shear stress on the basis of oscillation should be maximum 800 N /mm². 400 N /mm² of this value will be used by the stress variation on the basis of spring oscillation.

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)Kg.

Order: **AYY. D x L**

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

Extra Light Load Spring Code: **AYY**

D Outer Dia.	d Rod Dia.	L Length	R Load Rate	A Long Life % 30	B Min. Deflect. % 40	C Max. Deflect. % 50	D Full Deflect. Breakable		
b x h		mm	Nw.	mm	mm	mm	mm		
16	8	25	20.2	7.5	10	11.2	14.0		
		32	16	9.6	12.8	14.4	18.7		
		38	12.3	11.4	15.2	17.1	22.0		
		44	10.6	13.2	17.6	19.8	26.1		
		51	8.9	15.3	20.4	22.9	30.4		
		64	7	19.2	25.6	28.8	38.8		
		76	5.8	22.8	30.4	34.2	46.4		
		89	4.8	26.7	35.6	40.0	54.2		
		102	4.1	30.6	40.8	45.9	62.4		
		115	3.9	34.5	46.0	51.7	70.6		
3.05x1.5		305	1.5	91.5	122	137	190		
20	10	25	29.4	7.50	10.0	12.5	13.9		
		32	22.6	9.60	12.8	16.0	18.2		
		38	18.6	11.4	15.2	19.0	22.0		
		44	15.7	13.2	17.6	22.0	25.8		
		51	13.7	15.3	20.4	25.5	30.3		
		64	11.3	19.2	25.6	32.0	38.9		
		76	9.80	22.8	30.4	38.0	47.0		
		89	8.30	26.7	35.6	44.5	55.7		
		102	7.40	30.6	40.8	51.0	64.2		
		115	6.40	34.5	46.0	57.5	72.9		
		127	5.90	38.1	50.8	63.5	80.7		
		139	5.40	41.7	55.6	69.5	88.4		
		152	4.90	45.6	60.8	76.0	96.7		
		4.3x1.7		305	2.50	91.5	122	153	196
25	12.5	25	53.9	7.50	10.0	12.5	12.9		
		32	42.2	9.60	12.8	16.0	17.2		
		38	35.8	11.4	15.2	19.0	20.7		
		44	31.4	13.2	17.6	22.0	24.4		
		51	27.0	15.3	20.4	25.5	28.5		
		64	21.6	19.2	25.6	32.0	36.5		
		76	18.1	22.8	30.4	38.0	43.9		
		89	15.2	26.7	35.6	44.5	51.4		
		102	13.2	30.6	40.8	51.0	59.3		
		115	11.8	34.5	46.0	57.5	67.2		
		127	10.6	38.1	50.8	63.5	74.4		
		139	9.60	41.7	55.6	69.5	81.6		
		152	8.80	45.6	60.8	76.0	89.5		
		178	7.60	53.4	71.2	89.0	105		
		203	6.70	60.9	81.2	102	121		
		5.4x2.2		305	4.40	91.5	122.0	153	182

D Outer Dia.	d Rod Dia.	L Length	R Load Rate	A Long Life % 30	B Min. Deflect. % 40	C Max. Deflect. % 50	D Full Deflect. Breakable		
b x h		mm	Nw.	mm	mm	mm	mm		
32	16	38	43.1	11.4	15.2	19.0	19.9		
		44	37.3	13.2	17.6	22.0	23.5		
		51	32.4	15.3	20.4	25.5	27.6		
		64	25.5	19.2	25.6	32.0	35.2		
		76	21.6	22.8	30.4	38.0	42.4		
		89	18.1	26.7	35.6	44.5	50.0		
		102	15.7	30.6	40.8	51.0	57.6		
		115	14.2	34.5	46.0	57.5	65.5		
		127	12.7	38.1	50.8	63.5	72.5		
		139	11.6	41.7	55.6	69.5	79.4		
		152	10.6	45.6	60.8	76.0	87.3		
		178	9.00	53.4	71.2	89.0	103		
		203	7.80	60.9	81.2	102	118		
		254	6.40	76.2	102.0	127.0	148		
6.5x2.6		305	5.30	91.5	122.0	153	178		
40	20	51	48.1	15.3	20.4	25.5	28.0		
		64	39.2	19.2	25.6	32.0	36.2		
		76	33.3	22.8	30.4	38.0	43.7		
		89	28.4	26.7	35.6	44.5	51.7		
		102	24.5	30.6	40.8	51.0	59.8		
		115	22.1	34.5	46.0	57.5	67.9		
		127	19.6	38.1	50.8	63.5	75.2		
		139	17.7	41.7	55.6	69.5	82.4		
		152	16.2	45.6	60.8	76.0	90.6		
		178	13.7	53.4	71.2	89.0	106		
		203	12.3	60.9	81.2	101	122		
		254	9.80	76.2	102.0	127.0	154		
		8.0x3.4		305	8.30	91.5	122.0	152	185
		50	25	64	86.3	19.2	25.6	32.0	35.1
76	70.6			22.8	30.4	38.0	42.2		
89	59.8			26.7	35.6	44.5	50.3		
102	52.0			30.6	40.8	51.0	58.4		
115	46.1			34.5	46	57.5	66.1		
127	42.2			38.1	50.8	63.5	73.8		
139	38.2			41.7	55.6	69.5	80.9		
152	34.3			45.6	60.8	76.0	89.0		
178	29.4			53.4	71.2	89.0	105.0		
203	25.5			60.9	81.2	101	121.0		
254	20.6	76.2	102.0	127.0	152.0				
10.5x4.1		305	17.2	91.5	122.0	152	184.0		