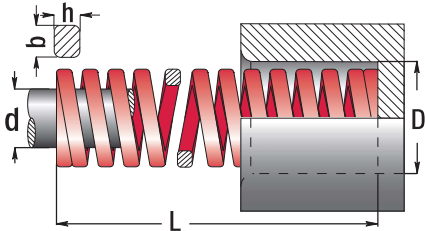




Heavy Load Spring
ISO 10243 / Colour: Red

Code: **KY**



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.

D	d	L	R	A	B	C	D
Outer Dia.	Rod Dia.	Length	Load Rate	Long Life % 20	Min. Deflect. % 25	Max. Deflect. % 30	Full Deflect. Breakable
b x h	mm	Nw.	mm	mm	mm	mm	mm
10	5	25	22.1	5.00	6.30	7.50	9.20
		32	17.5	6.40	8.00	9.60	12.1
		38	17.1	7.60	9.50	11.4	13.2
		44	15.0	8.80	11.0	13.2	15.1
		51	12.8	10.2	12.8	15.3	19.5
		64	10.7	12.8	16.0	19.2	21.8
		76	7.5	15.2	19.0	22.8	27.9
		1.9x1.5	305	2.1	61.0	76.3	91.5
13	6.3	25	42.1	5.00	6.30	7.50	9.80
		32	33.2	6.40	8.0	9.60	13.6
		38	29.3	7.60	9.50	11.4	14.6
		44	24.6	8.80	11.0	13.2	18.1
		51	19.6	10.2	12.8	15.3	22.3
		64	15.0	12.8	16.0	19.2	27.3
		76	13.2	15.2	19.0	22.8	33.1
		89	11.4	17.8	22.3	26.7	38.9
		102	8.40	20.4	25.5	30.6	43.8
		2.4x1.9	305	2.80	61.0	76.3	91.5

Order: **KY. D x L**

Usage: It is compatible with the systems and machine equipment designs.

Heavy Load Spring

Code: **KY**

D	d	L	R	A	B	C	D	
Outer Dia.	Rod Dia.	Length	Load Rate	Long Life % 20	Min. Deflect. % 25	Max. Deflect. % 30	Full Deflect. Breakable	
b x h	mm	Nw.	mm	mm	mm	mm	mm	
16	8	25	75.7	5.00	6.30	7.50	8.40	
		32	52.8	6.40	8.00	9.60	10.5	
		38	48.5	7.60	9.50	11.4	13.6	
		44	42.8	8.80	11.0	13.2	15.9	
		51	37.1	10.2	12.8	15.3	18.9	
		64	30.3	12.8	16.0	19.2	24.9	
		76	25.7	15.2	19.0	22.8	29.2	
		89	21.7	17.8	22.3	26.7	34.5	
		102	19.3	20.4	25.5	30.6	39.1	
		115	15.7	23.0	28.8	34.5	44.0	
		3.1x2.5	305	7.10	61.0	76.3	91.5	104
20	10	25	216	5.00	6.30	7.50	8.30	
		32	168	6.40	8.00	9.60	10.9	
		38	129	7.60	9.50	11.4	12.5	
		44	112	8.80	11.0	13.2	15.0	
		51	94.0	10.2	12.8	15.3	17.6	
		64	72.1	12.8	16.0	19.2	22.6	
		76	59.7	15.2	19.0	22.8	27.5	
		89	50.5	17.8	22.3	26.7	31.7	
		102	44.2	20.4	25.5	30.6	37.5	
		115	38.4	23.0	28.8	34.5	42.6	
		127	34.1	25.4	31.8	38.1	45.5	
		139	31.0	28.0	35.0	42.0	50.1	
		152	28.2	30.4	38.0	45.6	55.8	
		4 x 3.3	305	15.0	61.0	76.3	91.5	114
25	12.5	25	375	5.00	6.30	7.50	8.5	
		32	297	6.40	8.00	9.60	11.0	
		38	219	7.60	9.50	11.4	12.6	
		44	187	8.80	11.0	13.2	14.8	
		51	156	10.2	12.8	15.3	17.9	
		64	123	12.8	16.0	19.2	23.1	
		76	99.0	15.2	19.0	22.8	26.3	
		89	84.0	17.8	22.3	26.7	30.5	
		102	73.0	20.4	25.5	30.6	37.3	
		115	65.0	23.0	28.8	34.5	41.9	
		127	57.7	25.4	31.8	38.1	46.2	
		139	52.7	28.0	35.0	42.0	49.3	
		152	47.8	30.4	38.0	45.6	55.7	
		178	41.0	35.6	44.5	53.4	65.1	
		203	35.8	40.6	50.8	60.9	74.5	
		5.5x4.2	305	22.9	61.0	76.3	91.5	110
		32	16	38	388	7.60	9.5	11.4
44	324			8.80	11.0	13.2	14.9	
51	272			10.2	12.8	15.3	17.8	
7.1x5.4	64			212	12.8	16.0	19.2	22.4

D	d	L	R	A	B	C	D	
Outer Dia.	Rod Dia.	Length	Load Rate	Long Life % 20	Min. Deflect. % 25	Max. Deflect. % 30	Full Deflect. Breakable	
b x h	mm	Nw.	mm	mm	mm	mm	mm	
32	16	76	172	15.2	19.0	22.8	26.1	
		89	141	17.8	22.3	26.7	30.8	
		102	122	20.4	25.5	30.6	36.8	
		115	107	23.0	28.8	34.5	41.4	
		127	93.0	25.4	31.8	38.1	44.4	
		139	86.0	28.0	35.0	42.0	48.5	
		152	78.0	30.4	38.0	45.6	54.8	
		178	67.2	35.6	44.5	53.4	63.6	
		203	59.1	40.6	50.8	60.9	72.5	
		254	46.4	50.8	63.5	76.2	92.8	
		7.1x5.4	305	38.0	61.0	76.3	91.5	112
40	20	51	350	10.2	12.8	15.3	17.0	
		64	269	12.8	16.0	19.2	21.9	
		76	219	15.2	19.0	22.8	26.7	
		89	190	17.8	22.3	26.7	31.3	
		102	163	20.4	25.5	30.6	37.1	
		115	142	23.0	28.8	34.5	41.0	
		127	128	25.4	31.8	38.1	46.5	
		139	115	28.0	35.0	42.0	53.1	
		152	105	30.4	38.0	45.6	56.1	
		178	89.0	35.6	44.5	53.4	67.4	
		203	77.0	40.6	50.8	60.9	76.2	
		254	61.0	50.8	63.5	76.2	96.2	
		8.4x6.2	305	51.0	61.0	76.3	91.5	115
		50	25	64	413	12.8	16.0	19.2
76	339			15.2	19.0	22.8	26.5	
89	288			17.8	22.3	26.7	31.5	
102	245			20.4	25.5	30.6	37.6	
115	215			23.0	28.8	34.5	42.7	
127	192			25.4	31.8	38.1	47.5	
139	168			28.0	35.0	42.0	51.8	
152	154			30.4	38.0	45.6	57.8	
178	134			35.6	44.5	53.4	68.5	
203	117			40.6	50.8	60.9	77.6	
254	89.0			50.8	63.5	76.2	97.9	
11x7.6	305	73.0	61.0	76.3	91.5	121		
63	38	76	618	15.2	19.0	22.8	24.7	
		89	515	17.8	22.3	26.7	30.0	
		102	438	20.4	25.5	30.6	35.1	
		115	370	23.0	28.8	34.5	37.5	
		127	333	25.4	31.8	38.1	45.9	
		152	269	30.4	38.0	45.6	56.5	
		178	226	35.6	44.5	53.4	66.8	
		203	198	40.6	50.8	60.9	78.8	
254	155	50.8	63.5	76.2	102			
11.6x12.3	305	128	61.0	76.3	91.5	122		