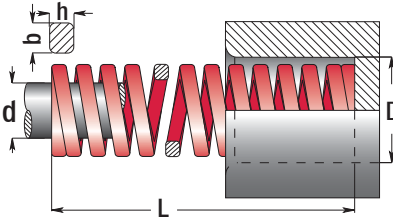




**Heavy Load Spring**  
ISO 10243 / Colour: Red

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) Kgf

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		
		305	2.1	61.0	76.3	91.5	127		
		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		
305	2.80			61.0	76.3	91.5	140		



Order: KY. D x L

Usage: It is compatible with die 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
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
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
305	22.9	61.0	76.3	91.5	110		
32	16	38	388	7.60	9.5	11.4	12.5
		44	324	8.80	11.0	13.2	14.9
		51	272	10.2	12.8	15.3	17.8
		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
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
305	51.0	61.0	76.3	91.5	115		
50	25	64	413	12.8	16.0	19.2	22.4
		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
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
305	128	61.0	76.3	91.5	122		