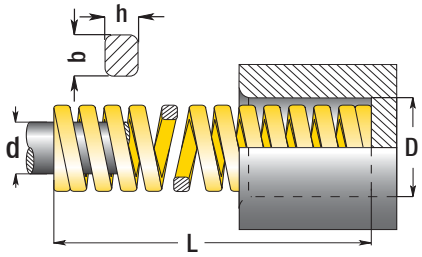
Extra Heavy Load Spring Code: SY

ISO 10243 / Colour: Yellow



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 Outer Dia.	d Rod Dia.	L Length	R Load Rate	A Long Life % 17	B Min. Deflect. % 20	C Max. Deflect. % 25	D Full Deflect. Breakable
b x h		mm	Nw.	mm	mm	mm	mm
10	5	25	36.8	4.30	5.00	6.30	7.70
		32	27.9	5.40	6.40	8.00	10.6
		38	23.7	6.50	7.60	9.50	12.6
		44	19.2	7.50	8.80	11.0	13.8
		51	16.5	8.70	10.2	12.8	16.2
		64	13.2	10.9	12.8	16.0	20.4
		76	10.9	12.9	15.2	19.0	25.2
1.9X1.6		305	2.60	51.9	61.0	76.3	111
13	6.3	25	58.5	4.30	5.00	6.30	8.10
		32	43.9	5.40	6.40	8.00	9.90
		38	36.0	6.50	7.60	9.50	12.9
		44	30.3	7.50	8.80	11.0	14.1
		51	26.2	8.70	10.2	12.8	17.4
		64	21.2	10.9	12.8	16.0	21.0
		76	17.1	12.9	15.2	19.0	26.4
		89	14.5	15.1	17.8	22.3	31.5
		102	12.7	17.3	20.4	25.5	36.0
2.6X2.0		305	4.30	51.9	61.0	76.3	111
16	8	25	118	4.30	5.00	6.30	8.50
		32	89.0	5.40	6.40	8.00	11.0
		38	72.1	6.50	7.60	9.50	13.2
		44	60.9	7.50	8.80	11.0	14.7
		51	52.3	8.70	10.2	12.8	17.7
		64	41.2	10.9	12.8	16.0	21.9
3.2X2.9		76	34.1	12.9	15.2	19.0	27.8
16	8	89	29.5	15.1	17.8	22.3	31.2
		102	25.6	17.3	20.4	25.5	37.9
		115	22.4	19.6	23.0	28.8	44.5
3.2X2.9		305	8.4	51.9	61.0	76.3	113
20	10	25	293	4.30	5.00	6.30	6.90
		32	224	5.40	6.40	8.00	9.40
		38	177	6.50	7.60	9.50	12.0
		44	149	7.50	8.80	11.0	13.5
		51	128	8.70	10.2	12.8	16.2
		64	99.0	10.9	12.8	16.0	21.2
		76	81.7	12.9	15.2	19.0	24.7
		89	69.5	15.1	17.8	22.3	28.8
		102	60.6	17.3	20.4	25.5	34.8
		115	53.0	19.6	23.0	28.8	39.0
		127	47.5	21.6	25.4	31.8	43.0
		139	43.0	23.8	28.0	35.0	45.3
		152	39.0	25.8	30.4	38.0	50.4
4.1X3.8		305	21.2	51.9	61.0	76.3	103
25	12.5	25	459	4.30	5.00	6.30	7.30
		32	374	5.40	6.40	8.00	10.7
		38	300	6.50	7.60	9.50	12.0
		44	244	7.50	8.80	11.0	14.4
		51	208	8.70	10.2	12.8	17.4
		64	161	10.9	12.8	16.0	21.4
		76	131	12.9	15.2	19.0	26.9
		89	111	15.1	17.8	22.3	30.9
		102	96.3	17.3	20.4	25.5	36.7
		115	85.7	19.6	23.0	28.8	40.3
		127	76.3	21.6	25.4	31.8	45.1
		139	66	23.8	28.0	35.0	47.6
		152	63.5	25.8	30.4	38.0	53.5
		178	53.9	30.3	35.6	44.5	63.9
		203	47.0	34.5	40.6	50.8	70.2
5.4X4.6		305	30.9	51.9	61.0	76.3	110
32	16	38	480	6.50	7.60	9.50	11.4
		44	390	7.50	8.80	11.0	13.7
		51	320	8.70	10.2	12.8	15.6
		64	269	10.9	12.8	16.0	20.0
		76	219	12.9	15.2	19.0	24.4
		89	180	15.1	17.8	22.3	29.7
		102	155	17.3	20.4	25.5	35.1
		115	140	19.6	23.0	28.8	39.0
7.3X5.9		127	124	21.6	25.4	31.8	42.8

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b x h		mm	Nw.	mm	mm	mm	mm
32	16	139	112	23.8	28.0	35.0	48.6
		152	102	25.8	30.4	38.0	52.4
		178	88.2	30.3	35.6	44.5	60.9
		203	76	34.5	40.6	50.8	69.2
		254	60.8	43.2	50.8	63.5	88.1
7.3X5.9		305	49	51.9	61.0	76.3	104
40	20	51	628	8.7	10.2	12.8	15.0
		64	487	10.9	12.8	16.0	19.5
		76	379	12.9	15.2	19.0	23.3
		89	321	15.1	17.8	22.3	26.7
		102	281	17.3	20.4	25.5	33.8
		115	245	19.6	23.0	28.8	36.2
		127	221	21.6	25.4	31.8	40.7
		139	195	23.8	28.0	35.0	44.5
		152	168	25.8	30.4	38.0	49.6
		178	150	30.3	35.6	44.5	59.9
		203	132	34.5	40.6	50.8	67.1
		254	107	43.2	50.8	63.5	86.3
8.4X7.5		305	87.8	51.9	61.0	76.3	104
50	25	64	709	10.9	12.8	16.0	19.3
		76	572	12.9	15.2	19.0	24.2
		89	475	15.1	17.8	22.3	28.0
		102	405	17.3	20.4	25.5	33.5
		115	352	19.6	23.0	28.8	38.6
		127	316	21.6	25.4	31.8	41.4
		139	289	23.8	28.0	35.0	47.3
		152	239	25.8	30.4	38.0	50.2
		178	215	30.3	35.6	44.5	61.1
		203	187	34.5	40.6	50.8	67.7
		254	153	43.2	50.8	63.5	87.0
11X9.0		305	127	51.9	61.0	76.3	104
63	38	76	952	12.9	15.2	-	15.5
		89	819	15.1	17.8	-	20.0
		102	700	17.3	20.4	25.5	30.7
		115	620	19.6	23	28.8	34.9
		127	565	21.6	25.4	31.8	38.0
		152	458	25.8	30.4	38.0	47.2
		178	384	30.3	35.6	44.5	55.8
		203	337	34.5	40.6	50.8	64.8
		254	263	43.2	50.8	63.5	86.7
11.6x14.9		305	218	51.9	61.0	76.3	106

Order: **SY.** D x L

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

Order Example:
SY. 50 x 127