

# COIL SPRING

## 丸線コイルばね LR

### ●規格仕様

外径 (mm)	内径 (mm)	自由長 (mm)	ばね定数		自由長×16.0%		自由長×24.0%		自由長×32.0%		カタログNo.
			(N/mm)	(kgf/mm)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	
3.0	2.0	10	2.79	{0.28}	1.6		2.4		3.2		LR 3 × 10
		15	1.86	{0.19}	2.4	4.4	3.6	6.7	4.8	8.8	15
		20	1.40	{0.14}	3.2	{0.45}	4.8	{0.68}	6.4	{0.90}	20
		25	1.12	{0.11}	4.0		6.0		8.0		25
4.0	2.6	10	4.92	{0.50}	1.6		2.4		3.2		LR 4 × 10
		15	3.28	{0.33}	2.4	7.9	3.6	11.8	4.8	15.7	15
		20	2.46	{0.25}	3.2	{0.81}	4.8	{1.20}	6.4	{1.60}	20
		25	1.97	{0.20}	4.0		6.0		8.0		25
		30	1.64	{0.17}	4.8		7.2		9.6		30
6.0	4.0	15	7.36	{0.75}	2.4		3.6		4.8		LR 6 × 15
		20	5.52	{0.56}	3.2	17.7	4.8	26.5	6.4	35.3	20
		25	4.42	{0.45}	4.0	{1.80}	6.0	{2.70}	8.0	{3.60}	25
		30	3.68	{0.38}	4.8		7.2		9.6		30
		35	3.15	{0.32}	5.6		8.4		11.2		35
8.0	5.4	15	13.08	{1.33}	2.4		3.6		4.8		LR 8 × 15
		20	9.81	{1.00}	3.2	31.4	4.8	47.1	6.4	62.8	20
		25	7.85	{0.80}	4.0	{3.20}	6.0	{4.80}	8.0	{6.40}	25
		30	6.54	{0.67}	4.8		7.2		9.6		30
		35	5.61	{0.57}	5.6		8.4		11.2		35
		40	4.91	{0.50}	6.4		9.6		12.8		40
10.0	6.5	25	12.27	{1.25}	4.0		6.0		8.0		LR 10 × 25
		30	10.22	{1.04}	4.8	49.0	7.2	73.6	9.6	98.1	30
		35	8.76	{0.89}	5.6	{5.00}	8.4	{7.51}	11.2	{10.0}	35
		40	7.67	{0.78}	6.4		9.6		12.8		40
		45	6.81	{0.69}	7.2		10.8		14.4		45
		50	6.13	{0.63}	8.0		12.0		16.0		50
12.0	8.0	25	17.65	{1.80}	4.0		6.0		8.0		LR 12 × 25
		30	14.71	{1.50}	4.8	70.6	7.2	105.9	9.6	141.2	30
		35	12.61	{1.29}	5.6	{7.20}	8.4	{10.8}	11.2	{14.4}	35
		40	11.03	{1.12}	6.4		9.6		12.8		40
		45	9.81	{1.00}	7.2		10.8		14.4		45
		50	8.83	{0.90}	8.0		12.0		16.0		50
		55	8.02	{0.82}	8.8		13.2		17.6		55
		60	7.35	{0.75}	9.6		14.4		19.2		60
14.0	9.3	25	24.03	{2.45}	4.0		6.0		8.0		LR 14 × 25
		30	20.03	{2.04}	4.8	96.1	7.2	144.2	9.6	192.2	30
		35	17.17	{1.75}	5.6	{9.80}	8.4	{14.7}	11.2	{19.6}	35
		40	15.02	{1.53}	6.4		9.6		12.8		40
		45	13.35	{1.36}	7.2		10.8		14.4		45
		50	12.02	{1.23}	8.0		12.0		16.0		50
		55	10.92	{1.11}	8.8		13.2		17.6		55
		60	10.01	{1.02}	9.6		14.4		19.2		60
		65	9.24	{0.94}	10.4		15.6		20.8		65
		70	8.58	{0.88}	11.2		16.8		22.4		70

①：自由長×32.0%を超えるたわみでは使用しないでください。

②：設置の際には、初期圧を掛けてください。

N (ニュートン) = Kgf (キログラム) × 9.80665

荷重 (N) = ばね定数 (N/mm) × たわみ (mm)

**●規格仕様**

外径 (mm)	内径 (mm)	自由長 (mm)	ばね定数		自由長× 16.0%		自由長× 24.0%		自由長× 32.0%		カタログ No.	
			(N/mm)	(kgf/mm)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)		
16.0	10.7	25	31.38	{3.20}	4.0		6.0		8.0		LR 16 × 25	
		30	26.15	{2.67}	4.8		7.2		9.6		30	
		35	22.42	{2.29}	5.6		8.4		11.2		35	
		40	19.61	{2.00}	6.4		9.6		12.8		40	
		45	17.44	{1.78}	7.2		10.8		14.4		45	
		50	15.69	{1.60}	8.0	125.5	12.0	188.3	16.0	251.1		50
		55	14.27	{1.45}	8.8	{12.8}	13.2	{19.2}	17.6	{25.6}		55
		60	13.08	{1.33}	9.6		14.4		19.2		60	
		65	12.07	{1.23}	10.4		15.6		20.8		65	
		70	11.21	{1.14}	11.2		16.8		22.4		70	
		75	10.46	{1.07}	12.0		18.0		24.0		75	
		80	9.81	{1.00}	12.8		19.2		25.6		80	
18.0	12.0	25	39.72	{4.05}	4.0		6.0		8.0		LR 18 × 25	
		30	33.10	{3.37}	4.8		7.2		9.6		30	
		35	28.37	{2.89}	5.6		8.4		11.2		35	
		40	24.82	{2.53}	6.4		9.6		12.8		40	
		45	22.06	{2.25}	7.2		10.8		14.4		45	
		50	19.86	{2.02}	8.0	158.9	12.0	238.3	16.0	317.7		50
		55	18.05	{1.84}	8.8	{16.2}	13.2	{24.3}	17.6	{32.4}		55
		60	16.55	{1.69}	9.6		14.4		19.2		60	
		65	15.28	{1.56}	10.4		15.6		20.8		65	
		70	14.18	{1.45}	11.2		16.8		22.4		70	
		75	13.24	{1.35}	12.0		18.0		24.0		75	
		80	12.41	{1.27}	12.8		19.2		25.6		80	
20.0	13.5	25	49.03	{5.00}	4.0		6.0		8.0		LR 20 × 25	
		30	40.86	{4.17}	4.8		7.2		9.6		30	
		35	35.02	{3.57}	5.6		8.4		11.2		35	
		40	30.65	{3.13}	6.4		9.6		12.8		40	
		45	27.24	{2.78}	7.2		10.8		14.4		45	
		50	24.52	{2.50}	8.0	196.1	12.0	294.2	16.0	392.3		50
		55	22.29	{2.27}	8.8	{20.0}	13.2	{30.0}	17.6	{40.0}		55
		60	20.43	{2.08}	9.6		14.4		19.2		60	
		65	18.86	{1.92}	10.4		15.6		20.8		65	
		70	17.51	{1.79}	11.2		16.8		22.4		70	
		75	16.34	{1.67}	12.0		18.0		24.0		75	
		80	15.32	{1.56}	12.8		19.2		25.6		80	
22.0	14.7	25	59.33	{6.05}	4.0		6.0		8.0		LR 22 × 25	
		30	49.44	{5.04}	4.8		7.2		9.6		30	
		35	42.38	{4.32}	5.6		8.4		11.2		35	
		40	37.08	{3.78}	6.4		9.6		12.8		40	
		45	32.96	{3.36}	7.2		10.8		14.4		45	
		50	29.67	{3.03}	8.0	237.3	12.0	356.0	16.0	474.6		50
		55	26.97	{2.75}	8.8	{24.2}	13.2	{36.3}	17.6	{48.4}		55
		60	24.72	{2.52}	9.6		14.4		19.2		60	
		65	22.82	{2.33}	10.4		15.6		20.8		65	
		70	21.19	{2.16}	11.2		16.8		22.4		70	
		75	19.78	{2.02}	12.0		18.0		24.0		75	
		80	18.54	{1.89}	12.8		19.2		25.6		80	
25.0	17.0	25	76.67	{7.82}	4.0		6.0		8.0		LR 25 × 25	
		30	63.89	{6.51}	4.8		7.2		9.6		30	
		35	54.76	{5.58}	5.6		8.4		11.2		35	
		40	47.92	{4.89}	6.4		9.6		12.8		40	
		45	42.59	{4.34}	7.2		10.8		14.4		45	
		50	38.33	{3.91}	8.0	307.0	12.0	460.0	16.0	613.9		50
		55	34.85	{3.55}	8.8	{31.3}	13.2	{46.9}	17.6	{62.6}		55
		60	31.94	{3.26}	9.6		14.4		19.2		60	
		65	29.49	{3.01}	10.4		15.6		20.8		65	
		70	27.38	{2.79}	11.2		16.8		22.4		70	
		75	25.56	{2.61}	12.0		18.0		24.0		75	
		80	23.96	{2.44}	12.8		19.2		25.6		80	
90	21.30	{2.17}	14.4		21.6		28.8		90			
100	19.17	{1.95}	16.0		24.0		32.0		100			

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荷重 (N) = ばね定数 (N/mm) × たわみ (mm)

 <b>Order</b> 注文例	形式
	例 LR3 × 10

 <b>Delivery</b> 納期	2日目着 (又は2日目発送)
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