

COILSPRING

高たわみ用強力ばね TY

●規格仕様

外径 (mm)	内径 (mm)	自由長 (mm)	ばね定数		自由長×40.0%		自由長×45.0%		自由長×50.0%		カタログ No.	
			(N/mm)	(kgf/mm)	100 万回		50 万回		30 万回			
					たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)	たわみ (mm)	荷重 N(kgf)		
14.5	9.0	20	18.52	{1.89}	8.0		9.0		10.0		TY 14.5 × 20	
		25	14.82	{1.51}	10.0		11.3		12.5		25	
		30	12.35	{1.26}	12.0		13.5		15.0		30	
		35	10.58	{1.08}	14.0		15.8		17.5		35	
		40	9.26	{0.94}	16.0		18.0		20.0		40	
		45	8.23	{0.84}	18.0		20.3		22.5		45	
		50	7.41	{0.76}	20.0		22.5		25.0		50	
		55	6.74	{0.69}	22.0	147.1	24.8	166.7	27.5	27.5	186.3	55
		60	6.17	{0.63}	24.0	{15.0}	27.0	{17.0}	30.0	30.0	{19.0}	60
		65	5.70	{0.58}	26.0		29.3		32.5			65
		70	5.29	{0.54}	28.0		31.5		35.0			70
		75	4.94	{0.50}	30.0		33.8		37.5			75
		80	4.63	{0.47}	32.0		36.0		40.0			80
		90	4.12	{0.42}	36.0		40.5		45.0			90
		100	3.70	{0.38}	40.0		45.0		50.0			100
125	2.96	{0.30}	50.0		56.3		62.5			125		
17.0	11.0	25	21.80	{2.22}	10.0		11.3		12.5		TY 17 × 25	
		30	18.16	{1.85}	12.0		13.5		15.0		30	
		35	15.57	{1.59}	14.0		15.8		17.5		35	
		40	13.62	{1.39}	16.0		18.0		20.0		40	
		45	12.11	{1.23}	18.0		20.3		22.5		45	
		50	10.90	{1.11}	20.0		22.5		25.0		50	
		55	9.91	{1.01}	22.0		24.8		27.5		55	
		60	9.08	{0.93}	24.0	215.7	27.0	245.2	30.0	30.0	274.6	60
		65	8.38	{0.85}	26.0	{22.0}	29.3	{25.0}	32.5		{28.0}	65
		70	7.78	{0.79}	28.0		31.5		35.0			70
		75	7.27	{0.74}	30.0		33.8		37.5			75
		80	6.81	{0.69}	32.0		36.0		40.0			80
		90	6.05	{0.62}	36.0		40.5		45.0			90
		100	5.45	{0.56}	40.0		45.0		50.0			100
		125	4.36	{0.44}	50.0		56.3		62.5			125
150	3.63	{0.37}	60.0		67.5		75.0			150		
21.0	13.0	30	23.24	{2.37}	12.0		13.5		15.0		TY 21 × 30	
		35	19.92	{2.03}	14.0		15.8		17.5		35	
		40	17.43	{1.78}	16.0		18.0		20.0		40	
		45	15.50	{1.58}	18.0		20.3		22.5		45	
		50	13.95	{1.42}	20.0		22.5		25.0		50	
		55	12.68	{1.29}	22.0		24.8		27.5		55	
		60	11.62	{1.19}	24.0		27.0		30.0		60	
		65	10.73	{1.09}	26.0	284.4	29.3	313.8	32.5	32.5	353.0	65
		70	9.96	{1.02}	28.0	{29.0}	31.5	{32.0}	35.0		{36.0}	70
		75	9.30	{0.95}	30.0		33.8		37.5			75
		80	8.72	{0.89}	32.0		36.0		40.0			80
		90	7.75	{0.79}	36.0		40.5		45.0			90
		100	6.97	{0.71}	40.0		45.0		50.0			100
		125	5.58	{0.57}	50.0		56.3		62.5			125
		150	4.65	{0.47}	60.0		67.5		75.0			150

①：自由長×50.0%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×40.0%		自由長×45.0%		自由長×50.0%		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)						
26.0	16.5	30	34.87	{3.56}	12.0	411.9 {42.0}	13.5	470.7 {48.0}	15.0	519.8 {53.0}	TY 26 × 30					
		35	29.89	{3.05}	14.0		15.8		17.5		35					
		40	26.15	{2.67}	16.0		18.0		20.0		40					
		45	23.24	{2.37}	18.0		20.3		22.5		45					
		50	20.92	{2.13}	20.0		22.5		25.0		50					
		55	19.02	{1.94}	22.0		24.8		27.5		55					
		60	17.43	{1.78}	24.0		27.0		30.0		60					
		65	16.09	{1.64}	26.0		29.3		32.5		65					
		70	14.94	{1.52}	28.0		31.5		35.0		70					
		75	13.95	{1.42}	30.0		33.8		37.5		75					
		80	13.08	{1.33}	32.0		36.0		40.0		80					
		90	11.62	{1.19}	36.0		40.5		45.0		90					
		100	10.46	{1.07}	40.0		45.0		50.0		100					
		110	9.51	{0.97}	44.0		49.5		55.0		110					
		125	8.37	{0.85}	50.0		56.3		62.5		125					
		150	6.97	{0.71}	60.0		67.5		75.0		150					
		175	5.98	{0.61}	70.0		78.8		87.5		175					
		200	5.23	{0.53}	80.0		90.0		100.0		200					
		32.0	21.0	40	34.87		{3.56}		16.0		559.0 {57.0}	18.0	627.6 {64.0}	20.0	696.3 {71.0}	TY 32 × 40
				45	30.99		{3.16}		18.0			20.3		22.5		45
50	27.89			{2.84}	20.0	22.5	25.0	50								
60	23.24			{2.37}	24.0	27.0	30.0	60								
70	19.92			{2.03}	28.0	31.5	35.0	70								
80	17.43			{1.78}	32.0	36.0	40.0	80								
90	15.50			{1.58}	36.0	40.5	45.0	90								
100	13.95			{1.42}	40.0	45.0	50.0	100								
110	12.68			{1.29}	44.0	49.5	55.0	110								
125	11.16			{1.14}	50.0	56.3	62.5	125								
150	9.30			{0.95}	60.0	67.5	75.0	150								
175	7.97			{0.81}	70.0	78.8	87.5	175								
200	6.97			{0.71}	80.0	90.0	100.0	200								
250	5.58			{0.57}	100.0	112.5	125.0	250								
300	4.65			{0.47}	120.0	135.0	150.0	300								
39.0	26.0			40	45.77	{4.67}	16.0	725.7 {74.0}	18.0	823.8 {84.0}		20.0		912.0 {93.0}		TY 39 × 40
		45	40.68	{4.15}	18.0	20.3	22.5		45							
		50	36.61	{3.73}	20.0	22.5	25.0		50							
		60	30.51	{3.11}	24.0	27.0	30.0		60							
		70	26.15	{2.67}	28.0	31.5	35.0		70							
		80	22.88	{2.33}	32.0	36.0	40.0		80							
		90	20.34	{2.07}	36.0	40.5	45.0		90							
		100	18.31	{1.87}	40.0	45.0	50.0		100							
		110	16.64	{1.70}	44.0	49.5	55.0		110							
		125	14.65	{1.49}	50.0	56.3	62.5		125							
		150	12.20	{1.24}	60.0	67.5	75.0		150							
		175	10.46	{1.07}	70.0	78.8	87.5		175							
		200	9.15	{0.93}	80.0	90.0	100.0		200							
		250	7.32	{0.75}	100.0	112.5	125.0		250							
		300	6.10	{0.62}	120.0	135.0	150.0		300							
		46.0	32.0	50	48.81	{4.98}	20.0		970.9 {99.0}		22.5	1,098 {112.0}	25.0		1,216 {124.0}	TY 46 × 50
60	40.68			{4.15}	24.0	27.0	30.0	60								
70	34.87			{3.56}	28.0	31.5	35.0	70								
80	30.51			{3.11}	32.0	36.0	40.0	80								
90	27.12			{2.77}	36.0	40.5	45.0	90								
100	24.41			{2.49}	40.0	45.0	50.0	100								
110	22.19			{2.26}	44.0	49.5	55.0	110								
125	19.53			{1.99}	50.0	56.3	62.5	125								
150	16.27			{1.66}	60.0	67.5	75.0	150								
175	13.95			{1.42}	70.0	78.8	87.5	175								
200	12.20			{1.24}	80.0	90.0	100.0	200								
250	9.76			{1.00}	100.0	112.5	125.0	250								
300	8.14	{0.83}	120.0	135.0	150.0	300										

①：自由長×50.0%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)

 Order 注文例	形式 例 TY14.5 × 20
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 Delivery 納期	2日目着 (又は2日目発送)
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