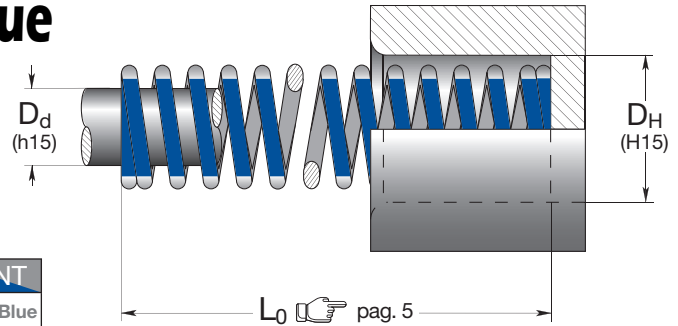
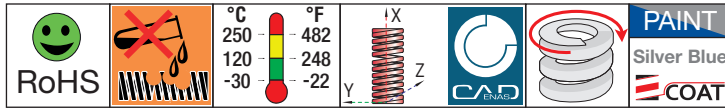


ROLS US SERIES



Part number	D _H	D _d	L ₀	R	 A	 B	 C	 D*	BOX ↓ 			
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	25% L ₀	35% L ₀	40% L ₀	50% L ₀				
				± 10%	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection				
	inch	inch	inch	lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	Pcs
ROLS37-100	3/8	3/16	1	6.0	0.25	15.0	0.35	21.0	0.40	24.0	0.50	200
ROLS37-125			1 1/4	5.0	0.31	15.6	0.44	21.9	0.50	25.0	0.63	200
ROLS37-150			1 1/2	4.2	0.38	15.8	0.53	22.1	0.60	25.2	0.75	100
ROLS37-175			1 3/4	3.7	0.44	16.2	0.61	22.7	0.70	25.9	0.88	100
ROLS37-200			2	3.1	0.50	15.5	0.70	21.7	0.80	24.8	1.00	100
ROLS37-250			2 1/2	2.6	0.63	16.3	0.88	22.8	1.00	26.0	1.25	100
ROLS37-300			3	2.1	0.75	15.8	1.05	22.0	1.20	25.2	1.50	100
ROLS37-1200			12	0.6	3.00	18.0	4.20	25.2	4.80	28.8	6.00	50
ROLS50-100	1/2	9/32	1	11.0	0.25	27.5	0.35	38.5	0.40	44.0	0.50	100
ROLS50-125			1 1/4	8.2	0.31	25.6	0.44	35.9	0.50	41.0	0.63	100
ROLS50-150			1 1/2	6.8	0.38	25.5	0.53	35.7	0.60	40.8	0.75	100
ROLS50-175			1 3/4	6.0	0.44	26.3	0.61	36.8	0.70	42.0	0.88	100
ROLS50-200			2	5.5	0.50	27.5	0.70	38.5	0.80	44.0	1.00	100
ROLS50-250			2 1/2	4.5	0.63	28.1	0.88	39.4	1.00	45.0	1.25	50
ROLS50-300			3	3.5	0.75	26.3	1.05	36.8	1.20	42.0	1.50	50
ROLS50-350			3 1/2	3.0	0.88	26.3	1.23	36.8	1.40	42.0	1.75	50
ROLS50-400			4	2.6	1.00	26.0	1.40	36.0	1.60	41.0	2.00	50
ROLS50-450			4 1/2	2.3	1.13	25.9	1.58	36.2	1.80	41.4	2.25	50
ROLS50-550			5 1/2	2.0	1.38	27.5	1.93	38.5	2.20	44.0	2.75	50
ROLS50-650			6 1/2	1.4	1.63	22.8	2.28	31.9	2.60	36.4	3.25	50
ROLS50-750			7 1/2	1.2	1.88	22.5	2.63	31.5	3.00	36.0	3.75	50
ROLS50-1200			12	0.7	3.00	21.0	4.20	29.4	4.80	33.6	6.00	50
ROLS62-100	5/8	11/32	1	16.4	0.25	41.0	0.35	57.4	0.40	65.6	0.50	100
ROLS62-125			1 1/4	12.4	0.31	38.8	0.44	54.3	0.50	62.0	0.63	100
ROLS62-150			1 1/2	10.8	0.38	40.5	0.53	56.7	0.60	64.8	0.75	100
ROLS62-175			1 3/4	9.6	0.44	42.0	0.61	58.8	0.70	67.2	0.88	50
ROLS62-200			2	8.6	0.50	43.0	0.70	60.2	0.80	68.8	1.00	50
ROLS62-250			2 1/2	6.5	0.63	40.6	0.88	56.9	1.00	65.0	1.25	50
ROLS62-300			3	5.8	0.75	43.5	1.05	60.9	1.20	69.6	1.50	50
ROLS62-350			3 1/2	5.0	0.88	43.8	1.23	61.3	1.40	70.0	1.75	50
ROLS62-400			4	4.4	1.00	44.0	1.40	61.6	1.60	70.4	2.00	50
ROLS62-450			4 1/2	3.8	1.13	43.0	1.57	60.0	1.80	69.0	2.25	50
ROLS62-1200			12	1.5	3.00	45.0	4.20	63.0	4.80	72.0	6.00	50
ROLS75-100	3/4	3/8	1	32.0	0.25	80.0	0.35	112.0	0.40	128.0	0.50	50
ROLS75-125			1 1/4	25.6	0.31	80.0	0.44	112.0	0.50	128.0	0.63	50
ROLS75-150			1 1/2	20.0	0.38	75.0	0.53	105.0	0.60	120.0	0.75	50
ROLS75-175			1 3/4	17.6	0.44	77.0	0.61	107.8	0.70	123.2	0.88	50
ROLS75-200			2	15.0	0.50	75.0	0.70	105.0	0.80	120.0	1.00	50
ROLS75-250			2 1/2	12.0	0.63	75.0	0.88	105.0	1.00	120.0	1.25	50
ROLS75-300			3	10.1	0.75	75.8	1.05	106.1	1.20	121.2	1.50	50
ROLS75-350			3 1/2	8.3	0.88	72.6	1.23	101.7	1.40	116.2	1.75	50
ROLS75-400			4	7.5	1.00	75.0	1.40	105.0	1.60	120.0	2.00	50
ROLS75-450			4 1/2	6.4	1.13	72.0	1.58	100.8	1.80	115.2	2.25	50
ROLS75-500			5	6.0	1.25	75.0	1.75	105.0	2.00	120.0	2.50	50
ROLS75-550			5 1/2	5.5	1.38	75.6	1.93	105.9	2.20	121.0	2.75	50
ROLS75-600			6	5.0	1.50	75.0	2.10	105.0	2.40	120.0	3.00	50
ROLS75-650			6 1/2	4.7	1.63	76.4	2.28	106.9	2.60	122.2	3.25	50
ROLS75-750			7 1/2	3.8	1.88	71.3	2.63	99.8	3.00	114.0	3.75	50
ROLS75-1200			12	2.4	3.00	72.0	4.20	100.8	4.80	115.2	6.00	50

*Deflection values near solid intended for design information ONLY.

The color silver-blue is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R	A		B		C		D*		BOX
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	25% L ₀		35% L ₀		40% L ₀		50% L ₀		↓
	inch	inch	inch	± 10% lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	lbs	Pcs
ROLS100-100	1	1/2	1	55.0	0.25	137.5	0.35	192.5	0.40	220.0	0.50	250.0	50
ROLS100-125			1 1/4	45.0	0.31	140.6	0.44	196.9	0.50	225.0	0.63	262.5	50
ROLS100-150			1 1/2	37.3	0.38	139.9	0.53	195.8	0.60	223.8	0.75	279.4	50
ROLS100-175			1 3/4	32.0	0.44	140.0	0.61	196.0	0.70	224.0	0.88	308.0	50
ROLS100-200			2	26.8	0.50	134.0	0.70	187.6	0.80	214.4	1.00	336.0	50
ROLS100-250			2 1/2	20.9	0.63	130.6	0.88	182.9	1.00	209.0	1.25	350.0	50
ROLS100-300			3	17.1	0.75	128.3	1.05	179.6	1.20	205.2	1.50	375.0	25
ROLS100-350			3 1/2	14.5	0.88	126.9	1.23	177.6	1.40	203.0	1.75	393.8	25
ROLS100-400			4	12.5	1.00	125.0	1.40	175.0	1.60	200.0	2.00	400.0	25
ROLS100-450			4 1/2	11.0	1.13	123.8	1.58	173.3	1.80	198.0	2.25	412.5	25
ROLS100-500			5	9.6	1.25	120.0	1.75	168.0	2.00	192.0	2.50	450.0	25
ROLS100-550			5 1/2	8.8	1.38	121.0	1.93	169.4	2.20	193.6	2.75	468.8	25
ROLS100-600			6	8.0	1.50	120.0	2.10	168.0	2.40	192.0	3.00	480.0	25
ROLS100-700			7	7.2	1.75	126.0	2.45	176.4	2.80	201.6	3.50	525.0	25
ROLS100-800			8	6.0	2.00	120.0	2.80	168.0	3.20	192.0	4.00	480.0	25
ROLS100-1200			12	4.0	3.00	120.0	4.20	168.0	4.80	192.0	6.00	240.0	25
ROLS125-150	1 1/4	5/8	1 1/2	49.6	0.38	186.0	0.53	260.4	0.60	297.6	0.75	345.0	50
ROLS125-175			1 3/4	40.6	0.44	177.6	0.61	248.7	0.70	284.2	0.88	355.2	50
ROLS125-200			2	37.6	0.50	188.0	0.70	263.2	0.80	300.8	1.00	368.0	50
ROLS125-250			2 1/2	28.8	0.63	180.0	0.88	252.0	1.00	288.0	1.25	360.0	25
ROLS125-300			3	24.0	0.75	180.0	1.05	252.0	1.20	288.0	1.50	360.0	25
ROLS125-350			3 1/2	20.0	0.88	175.0	1.23	245.0	1.40	280.0	1.75	350.0	25
ROLS125-400			4	17.6	1.00	176.0	1.40	246.4	1.60	281.6	2.00	352.0	25
ROLS125-450			4 1/2	16.0	1.13	180.0	1.58	252.0	1.80	288.0	2.25	360.0	25
ROLS125-500			5	14.3	1.25	178.8	1.75	250.3	2.00	286.0	2.50	357.5	25
ROLS125-550			5 1/2	12.8	1.38	176.0	1.93	246.4	2.20	281.6	2.75	354.4	25
ROLS125-600			6	12.0	1.50	180.0	2.10	252.0	2.40	288.0	3.00	360.0	25
ROLS125-700			7	10.4	1.75	182.0	2.45	254.8	2.80	291.2	3.50	420.0	25
ROLS125-800			8	8.8	2.00	176.0	2.80	246.4	3.20	281.6	4.00	400.0	25
ROLS125-1000			10	7.2	2.50	180.0	3.50	252.0	4.00	288.0	5.00	360.0	25
ROLS125-1200			12	6.0	3.00	180.0	4.20	252.0	4.80	288.0	6.00	240.0	25
ROLS150-200	1 1/2	3/4	2	53.0	0.50	265.0	0.70	371.0	0.80	424.0	1.00	450.0	25
ROLS150-250			2 1/2	42.7	0.63	266.9	0.88	373.6	1.00	427.0	1.25	450.0	25
ROLS150-300			3	36.0	0.75	270.0	1.05	378.0	1.20	432.0	1.50	450.0	25
ROLS150-350			3 1/2	30.0	0.88	262.5	1.23	367.5	1.40	420.0	1.75	450.0	25
ROLS150-400			4	24.9	1.00	249.0	1.40	348.6	1.60	398.4	2.00	450.0	25
ROLS150-450			4 1/2	23.0	1.13	258.8	1.58	362.3	1.80	414.0	2.25	450.0	25
ROLS150-500			5	21.0	1.25	262.5	1.75	367.5	2.00	420.0	2.50	450.0	25
ROLS150-550			5 1/2	18.5	1.38	254.4	1.93	356.1	2.20	407.0	2.75	450.0	25
ROLS150-600			6	17.0	1.50	255.0	2.10	357.0	2.40	408.0	3.00	450.0	25
ROLS150-700			7	15.3	1.75	267.8	2.45	374.9	2.80	428.4	3.50	450.0	25
ROLS150-800			8	13.2	2.00	264.0	2.80	369.6	3.20	422.4	4.00	450.0	25
ROLS150-1000			10	10.6	2.50	265.0	3.50	371.0	4.00	424.0	5.00	450.0	25
ROLS150-1200			12	8.5	3.00	255.0	4.20	357.0	4.80	408.0	6.00	450.0	25
ROLS200-250	2	1	2 1/2	100.0	0.63	625.0	0.88	875.0	1.00	1000.0	1.25	1125.0	25
ROLS200-300			3	83.0	0.75	622.5	1.05	871.5	1.20	996.0	1.50	1125.0	25
ROLS200-350			3 1/2	67.7	0.88	592.4	1.23	829.3	1.40	947.8	1.75	1125.0	25
ROLS200-400			4	60.0	1.00	600.0	1.40	840.0	1.60	960.0	2.00	1125.0	25
ROLS200-450			4 1/2	53.0	1.13	596.3	1.58	834.8	1.80	954.0	2.25	1125.0	25
ROLS200-500			5	47.0	1.25	587.5	1.75	822.5	2.00	940.0	2.50	1125.0	25
ROLS200-550			5 1/2	40.5	1.38	556.9	1.93	779.6	2.20	891.0	2.75	1125.0	25
ROLS200-600			6	39.0	1.50	585.0	2.10	819.0	2.40	936.0	3.00	1125.0	25
ROLS200-700			7	31.2	1.75	546.0	2.45	764.4	2.80	873.6	3.50	1125.0	25
ROLS200-800			8	28.5	2.00	570.0	2.80	798.0	3.20	912.0	4.00	1125.0	10
ROLS200-1000			10	21.6	2.50	540.0	3.50	756.0	4.00	864.0	5.00	1125.0	10
ROLS200-1200			12	18.5	3.00	555.0	4.20	777.0	4.80	888.0	6.00	1125.0	10
ROLS250-300	2 1/2	1 1/2	3	108.1	0.75	813.0	1.05	1136.0	1.20	1298.0	1.50	1437.0	15
ROLS250-350			3 1/2	89.6	0.87	783.0	1.22	1097.0	1.40	1256.0	1.75	1437.0	15
ROLS250-400			4	76.2	1.00	762.0	1.40	1068.0	1.60	1218.0	2.00	1437.0	15
ROLS250-450			4 1/2	66.6	1.13	750.0	1.57	1049.0	1.80	1199.0	2.25	1437.0	15
ROLS250-500			5	59.4	1.25	743.0	1.75	1040.0	2.00	1188.0	2.50	1437.0	5
ROLS250-550			5 1/2	53.2	1.37	730.0	1.93	1024.0	2.20	1170.0	2.75	1437.0	5
ROLS250-600			6	48.1	1.50	722.0	2.10	1010.0	2.40	1156.0	3.00	1437.0	5
ROLS250-700			7	41.5	1.75	726.0	2.45	1015.0	2.80	1160.0	3.50	1437.0	5
ROLS250-800			8	35.9	2.00	717.0	2.80	1004.0	3.20	1148.0	4.00	1437.0	5
ROLS250-1000			10	26.9	2.50	672.0	3.50	941.0	4.00	1076.0	5.00	1437.0	5
ROLS250-1200			12	23.4	3.00	702.0	4.20	984.0	4.80	1124.0	6.00	1437.0	5

The color silver-blue is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

Load (lbs) = R (lbs./1 inch) x 10 x Deflection (inch) 1 lb = 4.448 N