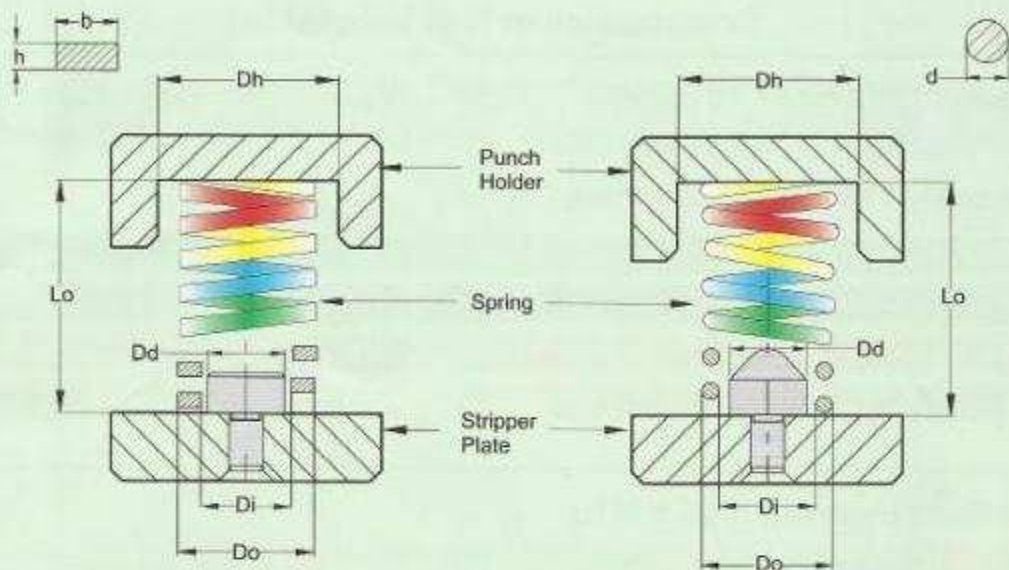


Spring Geometry



Specifications

Sr. No.	Description	Terminology	Units
01]	Hole Diameter	Dh	mm
02]	Rod Diameter	Dd	mm
03]	Outside Diameter	Do	mm
04]	Inside Diameter	Di	mm
05]	Spring Mean Diameter	Dm	mm
06]	Free Length	Lo	mm
07]	Solid Length	Lb	mm
08]	Spring Compression	L	mm
09]	Spring Rate (Load required for 1mm compression)	C	Kg / mm
10]	Load - Maximum Life	Pm	Kg
11]	Compression - Maximum Life	Lm	mm
12]	Load - Medium Life	Pc	Kg
13]	Compression - Medium Life	Lc	mm
14]	Load - Average Life	Pa	Kg
15]	Compression - Average Life	La	mm
16]	Load - Out of Service	Ps	Kg
17]	Compression - Out of Service	Ls	mm
18]	Squareness	E1	mm
19]	Coiling Direction (All Die springs are right hand coiling)	RH	

Spring Compression Table

Compression in % of Length (Lo)

Series	Load	Colour	Long Life	Medium Life	Average Life	Equivalent Standards
Die Spring (Equivalent to ISO 10243)						
PGR	Light Load	Green	25%	30%	40%	ISO 10243
PBL	Medium Load	Blue	25%	30%	37.5%	ISO 10243
PRE	Heavy Load	Red	20%	25%	30%	ISO 10243
PYE	Extra Heavy Load	Yellow	17%	20%	25%	ISO 10243
Die Spring (Equivalent to JIS B 5012)						
PSF	Lightest Load	Yellow	40%	45%	50%	JIS B 5012
PSL	Light Load	Sky Blue	32%	36%	40%	JIS B 5012
PSM	Medium Load	Red	25.6%	28.8%	32%	JIS B 5012
PSH	Heavy Load	Dark Green	19.2%	21.6%	24%	JIS B 5012
PSB	Extra Heavy Load	Brown	16%	18%	20%	JIS B 5012
High Compression Die Spring						
PGL	Lightest Load	Pista	30%	40%	50%	
PSR	High Compression	Ivory	45%	50%	60%	
PTY	High Compression	Violet	45%	50%	60%	
Ultra Heavy Die Spring						
PUL	Ultra Load	Silver	10%	12%	15%	

Tolerance

Sr. No.	Specification	Tolerance
1]	Spring Rate	+ / - 10 %
2]	Free Length	+ / - 1 % +/- 0.75 mm at least
3]	Squareness	0.03 x Lo Min 0.05 Lo Max

* Outside diameter of Spring is less than the specified hole size(Dh)

* Inside diameter of Spring is more than the specified Rod size (Dd)



Light Load Springs

Equivalent to ISO 10243
Colour - Green

PGR



Dh (mm)	Dd (mm)	Lc (mm)	C (mm)	Maximum Life		Average Life		Code
				Pa (kg)	Lm (mm)	Pa (kg)	La (mm)	
10	5	25	1.0	6.4	6.3	10.2	10.0	PGR 10 X 025
		32	0.9	6.9	8.0	11.1	12.8	PGR 10 X 032
		38	0.7	6.6	9.5	10.5	15.2	PGR 10 X 038
		44	0.6	6.7	11.0	10.8	17.6	PGR 10 X 044
		51	0.5	5.5	12.8	10.4	20.4	PGR 10 X 051
		64	0.4	6.9	16.0	11.2	25.6	PGR 10 X 064
		76	0.3	6.1	19.0	9.9	30.4	PGR 10 X 076
		305	0.1	8.4	76.3	13.7	122.0	PGR 10 X 305
		13	6.3	25	1.6	11.4	6.3	18.3
32	1.7			13.4	8.0	21.4	12.8	PGR 13 X 032
38	1.4			13.1	9.5	21.1	15.2	PGR 13 X 038
44	1.2			13.5	11.0	21.7	17.6	PGR 13 X 044
51	1.2			14.8	12.8	23.8	20.4	PGR 13 X 051
64	0.9			15.0	16.0	24.3	25.6	PGR 13 X 064
76	0.7			13.7	19.0	22.0	30.4	PGR 13 X 076
89	0.6			12.2	22.3	19.6	35.6	PGR 13 X 089
102	0.4			10.5	25.5	17.0	40.8	PGR 13 X 102
305	0.06	10.7	76.3	17.4	122.0	PGR 13 X 305		
16	8	25	2.4	14.9	6.3	23.9	10.0	PGR 16 X 025
		32	2.3	18.6	8.0	29.9	12.8	PGR 16 X 032
		38	2.0	18.6	9.5	29.9	15.2	PGR 16 X 038
		44	1.7	19.1	11.0	30.7	17.6	PGR 16 X 044
		51	1.6	20.4	12.8	32.6	20.4	PGR 16 X 051
		64	1.1	17.4	16.0	27.9	25.6	PGR 16 X 064
		76	1.0	19.4	19.0	31.0	30.4	PGR 16 X 076
		89	0.9	19.4	22.3	31.2	35.6	PGR 16 X 089
		102	0.8	20.1	25.5	32.4	40.8	PGR 16 X 102
115	0.7	19.3	28.8	31.0	46.0	PGR 16 X 115		
305	0.3	19.1	76.3	31.1	122.0	PGR 16 X 305		
20	10	25	5.7	35.6	6.3	56.9	10.0	PGR 20 X 025
		32	4.6	36.7	8.0	58.8	12.8	PGR 20 X 032
		38	3.4	32.2	9.5	51.6	15.2	PGR 20 X 038
		44	3.1	33.7	11.0	53.9	17.6	PGR 20 X 044
		51	2.5	31.7	12.8	51.0	20.4	PGR 20 X 051
		64	2.0	32.6	16.0	52.2	25.6	PGR 20 X 064
		76	1.6	31.0	19.0	49.8	30.4	PGR 20 X 076
		89	1.4	31.6	22.3	50.8	35.6	PGR 20 X 089
		102	1.2	31.1	25.5	50.0	40.8	PGR 20 X 102
115	1.1	31.9	28.8	51.1	46.0	PGR 20 X 115		
127	1.0	30.5	31.8	49.3	50.8	PGR 20 X 127		
139	0.9	29.5	34.8	47.9	56.0	PGR 20 X 139		
152	0.8	28.9	38.0	46.5	60.8	PGR 20 X 152		
305	0.4	30.5	76.3	49.8	122.0	PGR 20 X 305		
25	12.5	25	10.2	63.8	6.3	102.0	10.0	PGR 25 X 025
		32	8.2	65.5	8.0	104.9	12.8	PGR 25 X 032
		38	6.3	60.5	9.5	96.1	15.2	PGR 25 X 038
		44	5.4	59.3	11.0	95.0	17.6	PGR 25 X 044
		51	4.5	57.1	12.8	91.6	20.4	PGR 25 X 051
		64	3.6	57.4	16.0	91.9	25.6	PGR 25 X 064
		76	2.9	54.2	19.0	86.8	30.4	PGR 25 X 076
		89	2.4	54.3	22.3	87.1	35.6	PGR 25 X 089
		102	2.2	54.8	25.5	87.8	40.8	PGR 25 X 102
115	1.9	54.5	28.8	87.7	46.0	PGR 25 X 115		
127	1.7	54.0	31.8	86.5	50.8	PGR 25 X 127		
139	1.6	54.2	34.8	87.4	56.0	PGR 25 X 139		

Dh (mm)	Dd (mm)	Lc (mm)	C (mm)	Maximum Life		Average Life		Code
				Pa (kg)	Lm (mm)	Pa (kg)	La (mm)	
25	12.5	152	1.4	54.0	36.0	86.8	60.8	PGR 25 X 152
		178	1.3	56.5	44.5	90.8	71.2	PGR 25 X 178
		203	1.1	53.8	50.8	86.1	81.2	PGR 25 X 203
		305	0.7	54.1	76.3	87.1	122.0	PGR 25 X 305
		32	16	38	9.6	91.0	9.5	145.9
44	8.1			89.1	11.0	142.7	17.6	PGR 32 X 044
51	6.8			87.1	12.6	138.4	20.4	PGR 32 X 051
64	5.4			86.4	16.0	138.4	25.6	PGR 32 X 064
76	4.6			85.1	19.0	136.5	30.4	PGR 32 X 076
89	3.8			84.3	22.3	135.0	35.6	PGR 32 X 089
102	3.3			83.1	25.5	133.2	40.8	PGR 32 X 102
115	3.0			84.8	28.8	136.1	46.0	PGR 32 X 115
127	2.6			81.0	31.8	129.5	50.8	PGR 32 X 127
139	2.3	81.3	34.8	131.4	56.0	PGR 32 X 139		
152	2.2	83.2	38.0	133.3	60.8	PGR 32 X 152		
178	1.9	82.3	44.5	132.2	71.2	PGR 32 X 178		
203	1.6	81.7	50.8	130.9	81.2	PGR 32 X 203		
254	1.3	80.6	63.5	129.5	101.6	PGR 32 X 254		
305	1.1	80.1	76.3	128.2	122.0	PGR 32 X 305		
40	20	51	9.4	119.6	12.8	191.5	20.4	PGR 40 X 051
		64	7.4	119.0	16.0	190.6	25.6	PGR 40 X 064
		76	6.4	122.0	19.0	195.3	30.4	PGR 40 X 076
		89	5.2	115.7	22.3	185.2	35.6	PGR 40 X 089
		102	4.4	111.7	25.5	178.9	40.8	PGR 40 X 102
		115	4.0	115.9	28.8	185.8	46.0	PGR 40 X 115
		127	3.8	119.7	31.8	191.8	50.8	PGR 40 X 127
		139	3.3	113.3	34.8	182.8	56.0	PGR 40 X 139
		152	2.9	108.3	38.0	173.6	60.8	PGR 40 X 152
178	2.6	114.4	44.5	183.0	71.2	PGR 40 X 178		
203	2.3	117.2	50.8	188.0	81.2	PGR 40 X 203		
254	1.7	109.9	63.5	176.2	101.6	PGR 40 X 254		
305	1.5	114.4	76.3	184.2	122.0	PGR 40 X 305		
50	25	64	15.9	254.4	16.0	407.0	25.6	PGR 50 X 064
		76	12.8	243.2	19.0	369.1	30.4	PGR 50 X 076
		89	11.1	247.0	22.3	395.2	35.6	PGR 50 X 089
		102	9.6	244.8	25.5	391.7	40.8	PGR 50 X 102
		115	8.3	238.6	28.8	381.8	46.0	PGR 50 X 115
		127	7.2	228.6	31.8	365.8	50.8	PGR 50 X 127
		139	6.8	230.3	34.8	380.8	56.0	PGR 50 X 139
		152	6.1	231.8	38.0	370.9	60.8	PGR 50 X 152
		178	5.3	235.9	44.5	377.4	71.2	PGR 50 X 178
203	4.5	228.4	50.8	365.4	81.2	PGR 50 X 203		
254	3.6	228.6	63.5	365.8	101.6	PGR 50 X 254		
305	2.9	221.1	76.3	353.8	122.0	PGR 50 X 305		
63	38	76	19.3	366.7	19.0	586.7	30.4	PGR 63 X 076
		89	16.1	358.2	22.3	573.2	35.6	PGR 63 X 089
		102	13.4	341.7	25.5	546.7	40.8	PGR 63 X 102
		115	11.8	339.3	28.8	542.8	46.0	PGR 63 X 115
		127	10.5	333.4	31.8	533.4	50.8	PGR 63 X 127
		152	8.6	326.8	38.0	522.9	60.8	PGR 63 X 152
		178	7.3	324.9	44.5	519.8	71.2	PGR 63 X 178
		203	6.3	319.7	50.8	511.6	81.2	PGR 63 X 203
		254	4.8	304.8	63.5	487.7	101.6	PGR 63 X 254
305	3.9	297.4	76.3	475.5	122.0	PGR 63 X 305		

PBL

Medium Load Springs

Equivalent to ISO 10243
Colour - Blue

**WIRE**

Dh	Dd	Lo	C	Maximum Life		Average Life		Code
				Pa (kg)	Lm (mm)	Pa (kg)	La (mm)	
10	5	25	1.6	10.2	6.3	15.3	9.4	PBL 10 X 025
		32	1.3	10.8	6.0	15.9	12.0	PBL 10 X 032
		38	1.2	11.5	9.5	17.3	14.3	PBL 10 X 038
		44	1.1	11.6	11.0	17.3	16.5	PBL 10 X 044
		51	0.9	11.5	12.8	17.3	19.1	PBL 10 X 051
		64	0.8	12.2	16.0	18.4	24.0	PBL 10 X 064
		76	0.5	10.3	19.0	15.4	29.5	PBL 10 X 076
		305	0.2	12.2	76.3	16.7	114.4	PBL 10 X 305
13	6.3	25	3.1	19.1	6.3	26.8	9.4	PBL 13 X 025
		32	2.5	20.2	8.0	30.4	12.0	PBL 13 X 032
		38	2.2	20.7	9.5	31.2	14.3	PBL 13 X 038
		44	1.9	20.7	11.0	31.1	16.5	PBL 13 X 044
		51	1.6	20.1	12.8	30.2	19.1	PBL 13 X 051
		64	1.2	19.7	16.0	29.6	24.0	PBL 13 X 064
		76	1.0	19.8	19.0	29.7	28.5	PBL 13 X 076
		89	0.9	18.9	22.3	28.7	33.4	PBL 13 X 089
		102	0.6	16.3	25.5	24.6	38.3	PBL 13 X 102
		305	0.2	16.0	76.3	24.5	114.4	PBL 13 X 305
16	8	25	5.0	31.4	6.3	47.3	9.4	PBL 16 X 025
		32	3.8	30.2	8.0	45.4	12.0	PBL 16 X 032
		38	3.5	32.6	9.5	49.5	14.3	PBL 16 X 038
		44	3.1	33.7	11.0	50.5	16.5	PBL 16 X 044
		51	2.7	34.3	12.8	51.4	19.1	PBL 16 X 051
		64	2.1	33.4	16.0	50.2	24.0	PBL 16 X 064
		76	1.8	34.4	19.0	51.7	28.5	PBL 16 X 076
		89	1.6	34.5	22.3	51.8	33.4	PBL 16 X 089
		102	1.4	34.9	25.5	52.7	38.3	PBL 16 X 102
		115	1.2	34.5	28.8	51.9	43.1	PBL 16 X 115
		305	0.5	36.6	76.3	56.0	114.4	PBL 16 X 305
20	10	25	10.0	62.4	6.3	93.9	9.4	PBL 20 X 025
		32	7.4	59.2	8.0	88.8	12.0	PBL 20 X 032
		38	5.7	54.2	9.5	81.7	14.3	PBL 20 X 038
		44	4.8	53.2	11.0	80.0	16.5	PBL 20 X 044
		51	4.3	54.2	12.8	81.2	19.1	PBL 20 X 051
		64	3.3	52.6	16.0	79.1	24.0	PBL 20 X 064
		76	2.8	48.8	19.0	72.9	28.5	PBL 20 X 076
		89	2.2	49.8	22.3	75.0	33.4	PBL 20 X 089
		102	2.0	51.3	25.5	77.3	38.3	PBL 20 X 102
		115	1.8	52.9	28.8	79.6	43.1	PBL 20 X 115
		127	1.7	53.7	31.8	88.6	47.6	PBL 20 X 127
		139	1.5	53.5	34.8	80.9	52.5	PBL 20 X 139
		152	1.3	50.9	38.0	76.1	57.0	PBL 20 X 152
		305	0.6	47.3	76.3	71.2	114.4	PBL 20 X 305
25	12.5	25	15.0	93.7	6.3	141.0	9.4	PBL 25 X 025
		32	12.0	96.2	8.0	144.4	12.0	PBL 25 X 032
		38	9.5	90.1	9.5	135.7	14.3	PBL 25 X 038
		44	9.2	90.6	11.0	136.0	16.5	PBL 25 X 044
		51	7.0	89.1	12.8	133.6	19.1	PBL 25 X 051
		64	5.4	86.4	16.0	129.7	24.0	PBL 25 X 064
		76	4.4	83.6	19.0	125.6	28.5	PBL 25 X 076
		89	3.9	86.6	22.3	130.2	33.4	PBL 25 X 089
		102	3.4	85.7	25.5	128.9	38.3	PBL 25 X 102
		115	2.9	81.9	28.8	123.1	43.1	PBL 25 X 115
		127	2.6	83.8	31.8	125.8	47.6	PBL 25 X 127
		139	2.4	82.0	34.8	124.2	52.5	PBL 25 X 139

Dh	Dd	Lo	C	Maximum Life		Average Life		Code		
				Pa (kg)	Lm (mm)	Pa (kg)	La (mm)			
25	12.5	152	2.1	80.6	38.0	121.0	57.0	PBL 25 X 152		
		178	1.8	80.5	44.3	121.3	66.8	PBL 25 X 178		
		203	1.6	81.7	50.8	122.6	76.1	PBL 25 X 203		
		305	1.0	79.3	76.3	119.0	114.4	PBL 25 X 305		
				32	16	38	16.9	179.3	9.5	269.9
		44	16.1	177.2	11.0	265.9	16.5	PBL 32 X 044		
		51	13.7	174.2	12.8	261.0	19.1	PBL 32 X 051		
		64	10.1	161.4	16.0	242.4	24.0	PBL 32 X 064		
		76	8.2	156.6	19.0	234.0	28.5	PBL 32 X 076		
		89	7.1	156.9	22.3	235.4	33.4	PBL 32 X 089		
		102	6.0	152.7	25.5	229.7	38.3	PBL 32 X 102		
		115	5.3	150.9	28.8	226.4	43.1	PBL 32 X 115		
		127	4.6	144.8	31.8	217.5	47.6	PBL 32 X 127		
		139	4.3	149.8	34.8	226.5	52.5	PBL 32 X 139		
		152	3.9	146.3	38.0	219.8	57.0	PBL 32 X 152		
		178	3.3	147.3	44.5	221.4	66.8	PBL 32 X 178		
		203	2.9	149.2	50.8	224.3	76.1	PBL 32 X 203		
		254	2.2	138.4	63.5	208.0	95.3	PBL 32 X 254		
		305	1.9	141.8	76.3	213.8	114.4	PBL 32 X 305		
40	20	51	18.5	236.1	12.8	353.8	19.1	PBL 40 X 051		
		64	14.3	228.5	16.0	342.7	24.0	PBL 40 X 064		
		76	11.0	209.2	19.0	314.0	28.5	PBL 40 X 076		
		89	9.3	205.8	22.3	309.0	33.4	PBL 40 X 089		
		102	8.3	210.6	25.5	316.4	38.3	PBL 40 X 102		
		115	7.3	210.5	28.8	315.7	43.1	PBL 40 X 115		
		127	6.4	202.9	31.8	304.5	47.6	PBL 40 X 127		
		139	5.9	203.6	34.8	307.9	52.5	PBL 40 X 139		
		152	5.3	199.9	38.0	300.0	57.0	PBL 40 X 152		
		178	4.5	199.8	44.5	306.5	66.8	PBL 40 X 178		
		203	3.7	189.8	50.8	284.9	76.1	PBL 40 X 203		
		254	3.1	194.9	63.5	292.6	95.3	PBL 40 X 254		
		305	2.5	190.6	76.3	287.0	114.4	PBL 40 X 305		
50	25	64	21.3	341.0	16.0	511.0	24.0	PBL 50 X 064		
		76	17.1	325.0	19.0	487.0	28.5	PBL 50 X 076		
		89	14.3	319.0	22.3	478.0	33.4	PBL 50 X 089		
		102	12.1	309.0	25.5	463.0	38.3	PBL 50 X 102		
		115	10.8	311.0	28.8	465.0	43.1	PBL 50 X 115		
		127	9.9	315.0	31.8	471.0	47.6	PBL 50 X 127		
		139	8.9	312.0	35.0	467.0	52.5	PBL 50 X 139		
		152	8.2	312.0	38.0	467.0	57.0	PBL 50 X 152		
		178	7.1	316.0	44.5	474.0	66.8	PBL 50 X 178		
		203	6.1	310.0	50.8	464.0	76.1	PBL 50 X 203		
		229	5.2	298.0	57.3	447.0	85.9	PBL 50 X 229		
		254	4.5	286.0	63.5	429.0	95.3	PBL 50 X 254		
		305	3.9	296.0	76.3	446.0	114.4	PBL 50 X 305		
63	38	76	31.8	684.0	19.0	906.0	28.5	PBL 63 X 076		
		89	26.5	591.0	22.3	885.0	33.4	PBL 63 X 089		
		102	22.5	574.0	25.5	862.0	38.3	PBL 63 X 102		
		115	19.1	550.0	28.8	823.0	43.1	PBL 63 X 115		
		127	17.1	544.0	31.8	814.0	47.6	PBL 63 X 127		
		152	13.9	528.0	38.0	782.0	57.0	PBL 63 X 152		
		178	11.6	516.0	44.5	775.0	66.8	PBL 63 X 178		
		203	10.2	518.0	50.8	776.0	76.1	PBL 63 X 203		
		229	9.1	521.0	57.3	782.0	85.9	PBL 63 X 229		
		254	8.0	508.0	63.5	762.0	95.3	PBL 63 X 254		
		305	6.8	504.0	76.3	756.0	114.4	PBL 63 X 305		



PYE

Extra Heavy Load Springs

Equivalent to ISO 10243

Colour - Yellow



WIRE

Dh	Do	Lo	C	Maximum Life		Average Life		Code		
(mm)	(mm)	(mm)	(degrees)	Pm (kg)	Lm (mm)	Pa (kg)	La (mm)			
10	5	25	3.8	16.1	4.3	23.7	6.3	PYE 10 X 025		
		32	2.8	15.3	5.4	22.7	8.0	PYE 10 X 032		
		38	2.4	15.7	6.5	23.0	9.5	PYE 10 X 038		
		44	2.0	14.6	7.5	23.0	11.0	PYE 10 X 044		
		51	1.7	14.6	8.7	21.5	12.8	PYE 10 X 051		
		54	1.3	14.6	10.9	21.5	15.0	PYE 10 X 064		
		76	1.1	14.3	12.9	21.1	19.0	PYE 10 X 076		
		305	0.3	13.5	51.9	20.2	76.3	PYE 10 X 305		
13	6.3	25	6.0	25.6	4.3	37.6	6.3	PYE 13 X 025		
		32	4.5	24.1	5.4	36.8	8.0	PYE 13 X 032		
		38	3.8	24.4	6.5	34.9	9.5	PYE 13 X 038		
		44	3.0	22.5	7.5	34.0	11.0	PYE 13 X 044		
		51	2.7	23.2	8.7	34.2	12.8	PYE 13 X 051		
		64	2.2	23.5	10.9	34.6	16.0	PYE 13 X 064		
		76	1.7	22.4	12.9	33.2	19.0	PYE 13 X 076		
		89	1.5	22.2	15.1	32.8	22.3	PYE 13 X 089		
		102	1.3	22.3	17.3	33.0	25.5	PYE 13 X 102		
		305	0.4	22.3	51.9	33.5	76.3	PYE 13 X 305		
16	8	25	12.0	51.7	4.3	75.8	6.3	PYE 16 X 025		
		32	9.1	49.0	5.4	72.8	8.0	PYE 16 X 032		
		38	7.4	47.8	6.5	69.9	9.5	PYE 16 X 038		
		44	6.2	46.6	7.5	68.3	11.0	PYE 16 X 044		
		51	5.3	46.4	8.7	68.2	12.8	PYE 16 X 051		
		64	4.2	45.8	10.9	67.2	16.0	PYE 16 X 064		
		76	3.5	44.8	12.9	66.1	19.0	PYE 16 X 076		
		89	3.0	45.3	15.1	67.1	22.3	PYE 16 X 089		
		102	2.6	45.2	17.3	66.8	25.5	PYE 16 X 102		
		115	2.3	44.7	19.6	65.8	28.8	PYE 16 X 115		
		305	0.9	44.1	51.9	65.4	76.3	PYE 16 X 305		
		20	10	25	29.9	128.5	4.3	188.3	6.3	PYE 20 X 025
32	22.8			123.3	5.4	182.8	8.0	PYE 20 X 032		
38	18.1			117.3	6.5	171.8	9.5	PYE 20 X 038		
44	15.2			113.9	7.5	167.2	11.0	PYE 20 X 044		
51	13.1			113.5	8.7	167.1	12.8	PYE 20 X 051		
64	10.1			110.0	10.9	161.6	16.0	PYE 20 X 064		
76	8.3			107.5	12.9	158.3	19.0	PYE 20 X 076		
89	7.1			106.9	15.1	158.1	22.3	PYE 20 X 089		
102	6.2			106.9	17.3	157.6	25.5	PYE 20 X 102		
115	5.4			105.8	19.6	156.7	28.8	PYE 20 X 115		
127	4.8			104.5	21.6	154.1	31.8	PYE 20 X 127		
139	4.4			104.2	23.8	153.5	35.0	PYE 20 X 139		
152	4.0			102.4	25.8	151.2	38.0	PYE 20 X 152		
305	2.2			112.1	51.9	165.0	76.3	PYE 20 X 305		
25	12.5			25	46.8	201.3	4.3	298.0	6.3	PYE 25 X 025
				32	35.2	206.2	5.4	305.5	8.0	PYE 25 X 032
		38	35.3	229.4	6.5	335.9	9.5	PYE 25 X 038		
		44	24.9	186.0	7.5	273.8	11.0	PYE 25 X 044		
		51	21.2	184.1	8.7	270.9	12.8	PYE 25 X 051		
		64	16.4	179.0	10.9	262.8	16.0	PYE 25 X 064		
		76	13.3	172.1	12.9	253.5	19.0	PYE 25 X 076		
		89	11.3	170.2	15.1	251.3	22.3	PYE 25 X 089		
		102	9.8	169.9	17.3	250.5	25.5	PYE 25 X 102		
		115	8.7	171.3	19.6	251.7	28.8	PYE 25 X 115		
		127	7.8	168.0	21.6	247.5	31.8	PYE 25 X 127		
		139	7.0	167.1	23.8	246.0	35.0	PYE 25 X 139		
		152	6.5	166.9	25.8	246.1	38.0	PYE 25 X 152		
		178	5.5	166.3	30.3	244.7	44.5	PYE 25 X 178		
		203	4.8	165.3	34.5	243.6	50.8	PYE 25 X 203		
		305	3.2	163.5	51.9	240.5	76.3	PYE 25 X 305		
		32	16	38	63.9	350.2	6.5	511.8	9.5	PYE 32 X 038

Dh	Do	Lo	C	Maximum Life		Average Life		Code
(mm)	(mm)	(mm)	(degrees)	Pm (kg)	Lm (mm)	Pa (kg)	La (mm)	
32	16	44	43.3	324.8	7.5	476.1	11.0	PYE 32 X 044
		51	36.0	313.2	8.7	460.8	12.8	PYE 32 X 051
		64	27.5	299.2	10.9	439.3	16.0	PYE 32 X 064
		76	22.3	287.4	12.9	423.5	19.0	PYE 32 X 076
		89	18.4	277.7	15.1	410.1	22.3	PYE 32 X 089
		102	15.8	273.5	17.3	403.2	25.5	PYE 32 X 102
		115	14.3	279.9	19.6	411.3	28.8	PYE 32 X 115
		127	12.6	273.0	21.6	402.2	31.8	PYE 32 X 127
		139	11.5	272.5	23.8	401.0	35.0	PYE 32 X 139
		152	10.4	268.3	25.8	396.4	38.0	PYE 32 X 152
		178	9.0	272.4	30.3	400.4	44.5	PYE 32 X 178
		203	7.8	267.4	34.5	393.8	50.8	PYE 32 X 203
254	6.2	267.8	43.2	393.8	63.5	PYE 32 X 254		
305	5.0	269.0	51.9	381.4	76.3	PYE 32 X 305		
40	20	51	64.1	557.2	8.7	819.9	12.8	PYE 40 X 051
		64	49.7	541.4	10.9	794.8	16.0	PYE 40 X 064
		76	38.7	498.6	12.9	734.5	19.0	PYE 40 X 076
		89	32.7	494.4	15.1	730.1	22.3	PYE 40 X 089
		102	28.7	495.8	17.3	730.9	25.5	PYE 40 X 102
		115	25.0	488.8	19.6	719.7	28.8	PYE 40 X 115
		127	22.5	486.9	21.6	716.9	31.8	PYE 40 X 127
		139	19.4	461.2	23.8	678.0	35.0	PYE 40 X 139
		152	17.1	442.0	25.8	651.2	38.0	PYE 40 X 152
		178	14.9	451.2	30.3	662.7	44.5	PYE 40 X 178
		203	13.5	464.4	34.5	684.0	50.8	PYE 40 X 203
		254	10.9	471.3	43.2	693.1	63.5	PYE 40 X 254
305	9.0	464.5	51.9	683.3	76.3	PYE 40 X 305		
50	25	64	72.3	788.1	10.9	1157.0	16.0	PYE 50 X 064
		76	56.3	752.1	12.9	1108.0	19.0	PYE 50 X 076
		89	48.5	732.4	15.1	1083.0	22.3	PYE 50 X 089
		102	41.3	714.5	17.3	1053.0	25.5	PYE 50 X 102
		115	35.9	703.6	19.6	1034.0	28.8	PYE 50 X 115
		127	32.2	695.5	21.6	1024.0	31.8	PYE 50 X 127
		139	27.9	664.0	23.8	977.0	35.0	PYE 50 X 139
		152	24.4	629.5	25.8	927.0	38.0	PYE 50 X 152
		178	21.9	663.8	30.3	975.9	44.5	PYE 50 X 178
		203	19.1	659.0	34.5	970.0	50.8	PYE 50 X 203
		254	15.6	673.9	43.2	991.0	63.5	PYE 50 X 254
		305	13.0	674.7	51.9	992.0	76.3	PYE 50 X 305
63	38	76	97.1	1252.6	12.9	1554.0	19.0	PYE 63 X 076
		89	83.6	1260.9	15.1	1587.0	22.3	PYE 63 X 089
		102	71.4	1235.2	17.3	1621.0	25.5	PYE 63 X 102
		115	63.2	1238.7	19.6	1620.0	28.8	PYE 63 X 115
		127	57.6	1244.2	21.6	1632.0	31.8	PYE 63 X 127
		152	46.7	1204.9	25.8	1775.0	38.0	PYE 63 X 152
		178	39.2	1187.8	30.3	1744.0	44.5	PYE 63 X 178
		203	34.4	1186.8	34.5	1749.0	50.8	PYE 63 X 203
		254	26.8	1157.8	43.2	1702.0	63.5	PYE 63 X 254
		305	22.2	1152.2	51.9	1694.0	76.3	PYE 63 X 305



PYE

Extra Heavy Load Springs

Equivalent to ISO 10243

Colour - Yellow



WIRE

Dh (mm)	Dd (mm)	Lo (mm)	C (mm)	Maximum Life		Average Life		Code		
				Pm (kg)	Lm (mm)	Pa (kg)	La (mm)			
10	5	25	3.8	16.1	4.3	23.7	6.3	PYE 10 X 025		
		32	2.8	15.3	5.4	22.7	8.0	PYE 10 X 032		
		38	2.4	15.7	6.5	23.0	9.5	PYE 10 X 038		
		44	2.0	14.6	7.5	23.0	11.0	PYE 10 X 044		
		51	1.7	14.6	8.7	21.5	12.8	PYE 10 X 051		
		54	1.3	14.6	10.9	21.5	16.0	PYE 10 X 064		
		76	1.1	14.3	12.9	21.1	19.0	PYE 10 X 076		
		305	0.3	13.5	51.9	20.2	76.3	PYE 10 X 305		
13	6.3	25	6.0	25.6	4.3	37.6	6.3	PYE 13 X 025		
		32	4.5	24.1	5.4	36.8	8.0	PYE 13 X 032		
		38	3.8	24.4	6.5	34.9	9.5	PYE 13 X 038		
		44	3.0	22.5	7.5	34.0	11.0	PYE 13 X 044		
		51	2.7	23.2	8.7	34.2	12.8	PYE 13 X 051		
		64	2.2	23.5	10.9	34.6	16.0	PYE 13 X 064		
		76	1.7	22.4	12.9	33.2	19.0	PYE 13 X 076		
		89	1.5	22.2	15.1	32.8	22.3	PYE 13 X 089		
		102	1.3	22.3	17.3	33.0	25.5	PYE 13 X 102		
		305	0.4	22.3	51.9	33.5	76.3	PYE 13 X 305		
16	8	25	12.0	51.7	4.3	75.8	6.3	PYE 16 X 025		
		32	9.1	49.0	5.4	72.8	8.0	PYE 16 X 032		
		38	7.4	47.8	6.5	69.9	9.5	PYE 16 X 038		
		44	6.2	46.6	7.5	68.3	11.0	PYE 16 X 044		
		51	5.3	46.4	8.7	68.2	12.8	PYE 16 X 051		
		64	4.2	45.8	10.9	67.2	16.0	PYE 16 X 064		
		76	3.5	44.8	12.9	66.1	19.0	PYE 16 X 076		
		89	3.0	45.3	15.1	67.1	22.3	PYE 16 X 089		
		102	2.6	45.2	17.3	66.8	25.5	PYE 16 X 102		
		115	2.3	44.7	19.6	65.8	28.8	PYE 16 X 115		
		305	0.9	44.1	51.9	65.4	76.3	PYE 16 X 305		
		20	10	25	29.9	128.5	4.3	188.3	6.3	PYE 20 X 025
32	22.8			123.3	5.4	182.8	8.0	PYE 20 X 032		
38	18.1			117.3	6.5	171.8	9.5	PYE 20 X 038		
44	15.2			113.9	7.5	167.2	11.0	PYE 20 X 044		
51	13.1			113.5	8.7	167.1	12.8	PYE 20 X 051		
64	10.1			110.0	10.9	161.6	16.0	PYE 20 X 064		
76	8.3			107.5	12.9	158.3	19.0	PYE 20 X 076		
89	7.1			106.9	15.1	158.1	22.3	PYE 20 X 089		
102	6.2			106.9	17.3	157.6	25.5	PYE 20 X 102		
115	5.4			105.8	19.6	156.7	28.8	PYE 20 X 115		
127	4.8			104.5	21.6	154.1	31.8	PYE 20 X 127		
139	4.4			104.2	23.8	153.5	35.0	PYE 20 X 139		
152	4.0			102.4	25.8	151.2	38.0	PYE 20 X 152		
305	2.2			112.1	51.9	165.0	76.3	PYE 20 X 305		
25	12.5			25	46.8	201.3	4.3	298.0	6.3	PYE 25 X 025
		32	35.2	206.2	5.4	305.5	8.0	PYE 25 X 032		
		38	35.3	229.4	6.5	335.9	9.5	PYE 25 X 038		
		44	24.9	186.0	7.5	273.8	11.0	PYE 25 X 044		
		51	21.2	184.1	8.7	270.9	12.8	PYE 25 X 051		
		64	16.4	179.0	10.9	262.8	16.0	PYE 25 X 064		
		76	13.3	172.1	12.9	253.5	19.0	PYE 25 X 076		
		89	11.3	170.2	15.1	251.3	22.3	PYE 25 X 089		
		102	9.8	169.9	17.3	250.5	25.5	PYE 25 X 102		
		115	8.7	171.3	19.6	251.7	28.8	PYE 25 X 115		
		127	7.8	168.0	21.6	247.5	31.8	PYE 25 X 127		
		139	7.0	167.1	23.8	246.0	35.0	PYE 25 X 139		
		152	6.5	166.9	25.8	246.1	38.0	PYE 25 X 152		
		178	5.5	166.3	30.3	244.7	44.5	PYE 25 X 178		
		203	4.8	165.3	34.5	243.6	50.8	PYE 25 X 203		
		305	3.2	163.5	51.9	240.5	76.3	PYE 25 X 305		
		32	16	38	63.9	350.2	6.5	511.8	9.5	PYE 32 X 038

Dh (mm)	Dd (mm)	Lo (mm)	C (mm)	Maximum Life		Average Life		Code
				Pm (kg)	Lm (mm)	Pa (kg)	La (mm)	
32	16	44	43.3	324.8	7.5	476.1	11.0	PYE 32 X 044
		51	36.0	313.2	8.7	460.8	12.8	PYE 32 X 051
		64	27.5	299.2	10.9	439.3	16.0	PYE 32 X 064
		76	22.3	287.4	12.9	423.5	19.0	PYE 32 X 076
		89	18.4	277.7	15.1	410.1	22.3	PYE 32 X 089
		102	15.8	273.5	17.3	403.2	25.5	PYE 32 X 102
		115	14.3	279.9	19.6	411.3	28.8	PYE 32 X 115
		127	12.6	273.0	21.6	402.2	31.8	PYE 32 X 127
		139	11.5	272.5	23.8	401.0	35.0	PYE 32 X 139
		152	10.4	268.3	25.8	396.4	38.0	PYE 32 X 152
		178	9.0	272.4	30.3	400.4	44.5	PYE 32 X 178
		203	7.8	267.4	34.5	393.8	50.8	PYE 32 X 203
254	6.2	267.8	43.2	393.8	63.5	PYE 32 X 254		
305	5.0	269.0	51.9	381.4	76.3	PYE 32 X 305		
40	20	51	64.1	557.2	8.7	819.9	12.8	PYE 40 X 051
		64	49.7	541.4	10.9	794.8	16.0	PYE 40 X 064
		76	38.7	498.6	12.9	734.5	19.0	PYE 40 X 076
		89	32.7	494.4	15.1	730.1	22.3	PYE 40 X 089
		102	28.7	495.8	17.3	730.9	25.5	PYE 40 X 102
		115	25.0	488.8	19.6	719.7	28.8	PYE 40 X 115
		127	22.5	486.9	21.6	716.9	31.8	PYE 40 X 127
		139	19.4	461.2	23.8	678.0	35.0	PYE 40 X 139
		152	17.1	442.0	25.8	651.2	38.0	PYE 40 X 152
		178	14.9	451.2	30.3	662.7	44.5	PYE 40 X 178
		203	13.5	464.4	34.5	684.0	50.8	PYE 40 X 203
		254	10.9	471.3	43.2	693.1	63.5	PYE 40 X 254
305	9.0	464.5	51.9	683.3	76.3	PYE 40 X 305		
50	25	64	72.3	788.1	10.9	1157.0	16.0	PYE 50 X 064
		76	56.3	752.1	12.9	1108.0	19.0	PYE 50 X 076
		89	48.5	732.4	15.1	1083.0	22.3	PYE 50 X 089
		102	41.3	714.5	17.3	1053.0	25.5	PYE 50 X 102
		115	35.9	703.6	19.6	1034.0	28.8	PYE 50 X 115
		127	32.2	695.5	21.6	1024.0	31.8	PYE 50 X 127
		139	27.9	664.0	23.8	977.0	35.0	PYE 50 X 139
		152	24.4	629.5	25.8	927.0	38.0	PYE 50 X 152
		178	21.9	663.8	30.3	975.9	44.5	PYE 50 X 178
		203	19.1	659.0	34.5	970.0	50.8	PYE 50 X 203
		254	15.6	673.9	43.2	991.0	63.5	PYE 50 X 254
		305	13.0	674.7	51.9	992.0	76.3	PYE 50 X 305
63	38	76	97.1	1252.6	12.9	1554.0	19.0	PYE 63 X 076
		89	83.5	1260.9	15.1	1587.0	22.3	PYE 63 X 089
		102	71.4	1235.2	17.3	1621.0	25.5	PYE 63 X 102
		115	63.2	1238.7	19.6	1620.0	28.8	PYE 63 X 115
		127	57.6	1244.2	21.6	1632.0	31.8	PYE 63 X 127
		152	46.7	1204.9	25.8	1775.0	38.0	PYE 63 X 152
		178	39.2	1187.8	30.3	1744.0	44.5	PYE 63 X 178
		203	34.4	1186.8	34.5	1749.0	50.8	PYE 63 X 203
		254	26.8	1157.8	43.2	1702.0	63.5	PYE 63 X 254
		305	22.2	1152.2	51.9	1694.0	76.3	PYE 63 X 305



High Compression Springs

Colour - Pista

PGL



Dh (mm)	Dd (mm)	Lo (mm)	C (mm)	Maximum Life		Average Life		Code
				Pm (Kg)	Lm (mm)	Pa (Kg)	La (mm)	
20	10	25	3.0	22.5	7.5	37.5	12.5	PGL 20 X 025
		32	2.3	22.2	9.8	37.0	16.0	PGL 20 X 032
		38	1.9	21.7	11.4	36.1	19.0	PGL 20 X 038
		44	1.6	21.1	13.2	35.2	22.0	PGL 20 X 044
		51	1.4	21.4	15.3	35.7	25.5	PGL 20 X 051
		64	1.2	22.1	19.2	36.8	32.0	PGL 20 X 064
		76	1.0	22.8	22.8	38.0	38.0	PGL 20 X 076
		89	0.9	22.7	26.7	37.8	44.5	PGL 20 X 089
		102	0.8	23.0	30.6	38.3	51.0	PGL 20 X 102
		115	0.7	22.4	34.5	37.4	57.5	PGL 20 X 115
		127	0.6	22.9	38.1	38.1	63.5	PGL 20 X 127
		139	0.6	22.9	41.7	38.2	69.5	PGL 20 X 139
		152	0.5	22.8	45.6	38.0	76.0	PGL 20 X 152
		305	0.3	23.8	91.5	39.7	152.5	PGL 20 X 305
		25	12.5	25	5.5	41.3	7.5	68.8
32	4.3			41.3	9.8	68.8	16.0	PGL 25 X 032
38	3.7			41.6	11.4	69.4	19.0	PGL 25 X 038
44	3.2			42.2	13.2	70.4	22.0	PGL 25 X 044
51	2.8			42.1	15.3	70.1	25.5	PGL 25 X 051
64	2.2			42.2	19.2	70.4	32.0	PGL 25 X 064
76	1.9			42.2	22.8	70.3	38.0	PGL 25 X 076
89	1.6			41.4	26.7	69.0	44.5	PGL 25 X 089
102	1.4			41.3	30.6	68.9	51.0	PGL 25 X 102
115	1.2			41.4	34.5	69.0	57.5	PGL 25 X 115
127	1.1			41.1	38.1	68.6	63.5	PGL 25 X 127
139	1.0			40.9	41.7	68.1	69.5	PGL 25 X 139
152	0.9			41.0	45.6	68.4	76.0	PGL 25 X 152
178	0.8			41.7	53.4	69.4	89.0	PGL 25 X 178
203	0.7			41.4	60.9	69.0	101.5	PGL 25 X 203
305	0.5	41.2	91.5	68.6	152.5	PGL 25 X 305		
32	16	38	4.4	50.2	11.4	83.6	19.0	PGL 32 X 038
		44	3.8	50.2	13.2	83.6	22.0	PGL 32 X 044
		51	3.3	50.5	15.3	84.2	25.5	PGL 32 X 051
		64	2.6	49.9	19.2	83.2	32.0	PGL 32 X 064
		76	2.2	50.2	22.8	83.6	38.0	PGL 32 X 076
		89	1.9	49.4	26.7	82.3	44.5	PGL 32 X 089
		102	1.6	49.0	30.6	81.8	51.0	PGL 32 X 102
		115	1.5	50.0	34.5	83.4	57.5	PGL 32 X 115
		127	1.3	49.5	38.1	82.8	63.5	PGL 32 X 127
		139	1.2	49.2	41.7	82.0	69.5	PGL 32 X 139
		152	1.1	49.2	45.6	82.1	76.0	PGL 32 X 152
		178	0.9	49.1	53.4	81.9	89.0	PGL 32 X 178
203	0.8	48.7	60.9	81.2	101.5	PGL 32 X 203		
254	0.7	49.5	76.2	82.6	127.0	PGL 32 X 254		
305	0.5	49.4	91.5	82.4	152.5	PGL 32 X 305		
40	20	51	4.9	75.1	15.3	125.2	25.5	PGL 40 X 051
		64	4.0	76.8	19.2	126.0	32.0	PGL 40 X 064
		76	3.4	77.5	22.8	129.2	38.0	PGL 40 X 076
		89	2.9	77.4	26.7	129.1	44.5	PGL 40 X 089
		102	2.5	76.5	30.6	127.5	51.0	PGL 40 X 102
		115	2.3	77.6	34.5	129.4	57.5	PGL 40 X 115
		127	2.0	76.2	38.1	127.0	63.5	PGL 40 X 127

Dh (mm)	Dd (mm)	Lo (mm)	C (mm)	Maximum Life		Average Life		Code
				Pm (Kg)	Lm (mm)	Pa (Kg)	La (mm)	
40	20	139	1.8	75.5	41.7	126.8	69.5	PGL 40 X 139
		152	1.7	75.2	45.6	129.4	76.0	PGL 40 X 152
		178	1.4	74.8	53.4	124.6	89.0	PGL 40 X 178
		203	1.3	76.1	60.9	126.9	101.5	PGL 40 X 203
		254	1.0	76.2	76.2	127.0	127.0	PGL 40 X 254
		305	0.9	77.8	91.5	129.6	152.5	PGL 40 X 305
		50	25	64	8.8	169.0	19.2	281.6
76	7.2			164.2	22.8	273.6	38.0	PGL 50 X 076
89	6.1			162.9	26.7	271.5	44.5	PGL 50 X 089
102	5.3			162.2	30.6	270.0	51.0	PGL 50 X 102
115	4.7			162.2	34.5	270.0	57.5	PGL 50 X 115
127	4.3			163.8	38.1	273.1	63.5	PGL 50 X 127
139	3.9			162.6	41.7	271.1	69.5	PGL 50 X 139
152	3.5			159.6	45.6	266.0	76.0	PGL 50 X 152
178	3.0			160.2	53.4	267.0	89.0	PGL 50 X 178
203	2.6			158.3	60.9	263.9	101.5	PGL 50 X 203
254	2.1			160.0	76.2	266.7	127.0	PGL 50 X 254
305	1.8	160.1	91.5	266.9	152.5	PGL 50 X 305		



Do	Di	Lo	C	40% x Length Maximum Life		50% x Length Average Life		Code
				Pm (Kg)	Lm (mm)	Pa (Kg)	La (mm)	
14.5	9	20	1.1	9	8	11	10.0	PSR 14.5 X 020
		25	0.9	9	10	11	12.5	PSR 14.5 X 025
		30	0.7	8	12	11	15.0	PSR 14.5 X 030
		35	0.6	9	14	11	17.5	PSR 14.5 X 035
		40	0.6	9	16	11	20.0	PSR 14.5 X 040
		45	0.5	9	18	11	22.5	PSR 14.5 X 045
		50	0.4	8	20	11	25.0	PSR 14.5 X 050
		55	0.4	9	22	11	27.5	PSR 14.5 X 055
		60	0.4	9	24	11	30.0	PSR 14.5 X 060
		65	0.3	9	26	11	32.5	PSR 14.5 X 065
		70	0.3	9	28	11	35.0	PSR 14.5 X 070
		75	0.3	9	30	11	37.5	PSR 14.5 X 075
		80	0.3	9	32	11	40.0	PSR 14.5 X 080
		90	0.3	9	36	11	45.0	PSR 14.5 X 090
100	0.2	9	40	11	50.0	PSR 14.5 X 100		
125	0.2	9	50	11	62.5	PSR 14.5 X 125		
17	11	25	1.5	15	10	19	12.5	PSR 17 X 025
		30	1.3	15	12	19	15.0	PSR 17 X 030
		35	1.1	15	14	19	17.5	PSR 17 X 035
		40	0.9	15	16	19	20.0	PSR 17 X 040
		45	0.8	15	18	19	22.5	PSR 17 X 045
		50	0.8	15	20	19	25.0	PSR 17 X 050
		55	0.7	15	22	19	27.5	PSR 17 X 055
		60	0.6	15	24	19	30.0	PSR 17 X 060
		65	0.6	15	26	19	32.5	PSR 17 X 065
		70	0.5	15	28	19	35.0	PSR 17 X 070
		75	0.5	15	30	19	37.5	PSR 17 X 075
		80	0.5	15	32	19	40.0	PSR 17 X 080
		90	0.4	15	36	19	45.0	PSR 17 X 090
		100	0.4	15	40	19	50.0	PSR 17 X 100
125	0.3	15	50	19	62.5	PSR 17 X 125		
150	0.3	15	60	19	75.0	PSR 17 X 150		
21	13	30	1.4	17	12	21	15.0	PSR 21 X 030
		35	1.2	17	14	21	17.5	PSR 21 X 035
		40	1.1	17	16	21	20.0	PSR 21 X 040
		45	0.9	17	18	21	22.5	PSR 21 X 045
		50	0.8	17	20	21	25.0	PSR 21 X 050
		55	0.8	17	22	21	27.5	PSR 21 X 055
		60	0.7	17	24	21	30.0	PSR 21 X 060
		65	0.7	17	26	21	32.5	PSR 21 X 065
		70	0.6	17	28	21	35.0	PSR 21 X 070
		75	0.6	17	30	21	37.5	PSR 21 X 075
		80	0.5	17	32	21	40.0	PSR 21 X 080
		90	0.5	17	36	21	45.0	PSR 21 X 090
		100	0.4	17	40	21	50.0	PSR 21 X 100
		125	0.3	17	50	21	62.5	PSR 21 X 125
150	0.3	17	60	21	75.0	PSR 21 X 150		
26	16.5	30	2.7	33	12	41	15.0	PSR 26 X 030
		35	2.4	33	14	41	17.5	PSR 26 X 035
		40	2.1	33	16	41	20.0	PSR 26 X 040
		45	1.8	33	18	41	22.5	PSR 26 X 045
		50	1.6	33	20	41	25.0	PSR 26 X 050
		55	1.5	33	22	41	27.5	PSR 26 X 055
		60	1.4	33	24	41	30.0	PSR 26 X 060

Do	Di	Lo	C	40% x Length Maximum Life		50% x Length Average Life		Code		
				Pm (Kg)	Lm (mm)	Pa (Kg)	La (mm)			
26	16.5	65	1.3	33	26	41	32.5	PSR 26 X 065		
		70	1.2	33	28	41	35.0	PSR 26 X 070		
		75	1.1	33	30	41	37.5	PSR 26 X 075		
		80	1.0	33	32	41	40.0	PSR 26 X 080		
		90	0.9	33	36	41	45.0	PSR 26 X 090		
		100	0.8	33	40	41	50.0	PSR 26 X 100		
		110	0.8	33	44	41	55.0	PSR 26 X 110		
		125	0.7	33	50	41	62.5	PSR 26 X 125		
		150	0.6	33	60	41	75.0	PSR 26 X 150		
		175	0.5	33	70	41	87.5	PSR 26 X 175		
		200	0.4	33	80	41	100.0	PSR 26 X 200		
		32	21	40	2.0	41	16	51	20.0	PSR 32 X 040
				45	2.0	41	18	51	22.5	PSR 32 X 045
				50	2.0	41	20	51	25.0	PSR 32 X 050
60	1.7			41	24	51	30.0	PSR 32 X 060		
70	1.5			41	28	51	35.0	PSR 32 X 070		
80	1.3			41	32	51	40.0	PSR 32 X 080		
90	1.1			41	36	51	45.0	PSR 32 X 090		
100	1.0			41	40	51	50.0	PSR 32 X 100		
110	0.9			41	44	51	55.0	PSR 32 X 110		
125	0.8			41	50	51	62.5	PSR 32 X 125		
150	0.7			41	60	51	75.0	PSR 32 X 150		
175	0.6			41	70	51	87.5	PSR 32 X 175		
200	0.5			41	80	51	100.0	PSR 32 X 200		
250	0.4			41	100	51	125.0	PSR 32 X 250		
300	0.3	41	120	51	150.0	PSR 32 X 300				
39	26	40	2.8	44	16	55	20.0	PSR 39 X 040		
		45	2.5	44	18	55	22.5	PSR 39 X 045		
		50	2.2	44	20	55	25.0	PSR 39 X 050		
		60	1.9	44	24	55	30.0	PSR 39 X 060		
		70	1.6	44	28	55	35.0	PSR 39 X 070		
		80	1.4	44	32	55	40.0	PSR 39 X 080		
		90	1.2	44	36	55	45.0	PSR 39 X 090		
		100	1.1	44	40	55	50.0	PSR 39 X 100		
		110	1.0	44	44	55	55.0	PSR 39 X 110		
		125	0.9	44	50	55	62.5	PSR 39 X 125		
		150	0.7	44	60	55	75.0	PSR 39 X 150		
		175	0.6	44	70	55	87.5	PSR 39 X 175		
		200	0.6	44	80	55	100.0	PSR 39 X 200		
		250	0.4	44	100	55	125.0	PSR 39 X 250		
300	0.4	44	120	55	150.0	PSR 39 X 300				
48	32	50	2.5	50	20	62	25.0	PSR 48 X 050		
		60	2.1	50	24	62	30.0	PSR 48 X 060		
		70	1.8	50	28	62	35.0	PSR 48 X 070		
		80	1.6	50	32	62	40.0	PSR 48 X 080		
		90	1.4	50	36	62	45.0	PSR 48 X 090		
		100	1.2	50	40	62	50.0	PSR 48 X 100		
		110	1.1	50	44	62	55.0	PSR 48 X 110		
		125	1.0	50	50	62	62.5	PSR 48 X 125		
		150	0.8	50	60	62	75.0	PSR 48 X 150		
		175	0.7	50	70	62	87.5	PSR 48 X 175		
		200	0.6	50	80	62	100.0	PSR 48 X 200		
		250	0.5	50	100	62	125.0	PSR 48 X 250		
		300	0.4	50	120	62	150.0	PSR 48 X 300		



High Compression Springs

Colour - Violet

PTY

Do	Di	Lo	C	40% x Length Maximum Life		50% x Length Average Life		Code
				Pm (kg)	Lm (mm)	Pa (kg)	La (mm)	
14.5	8.5	20	1.9	15	8	19	10.0	PTY 14.5 X 020
		25	1.5	15	10	19	12.5	PTY 14.5 X 025
		30	1.3	15	12	19	15.0	PTY 14.5 X 030
		35	1.1	15	14	19	17.5	PTY 14.5 X 035
		40	0.9	15	16	19	20.0	PTY 14.5 X 040
		45	0.8	15	18	19	22.5	PTY 14.5 X 045
		50	0.8	15	20	19	25.0	PTY 14.5 X 050
		55	0.7	15	22	19	27.5	PTY 14.5 X 055
		60	0.6	15	24	19	30.0	PTY 14.5 X 060
		65	0.6	15	26	19	32.5	PTY 14.5 X 065
		70	0.5	15	28	19	35.0	PTY 14.5 X 070
		75	0.5	15	30	19	37.5	PTY 14.5 X 075
		80	0.5	15	32	19	40.0	PTY 14.5 X 080
		90	0.4	15	36	19	45.0	PTY 14.5 X 090
		100	0.4	15	40	19	50.0	PTY 14.5 X 100
125	0.3	15	50	19	62.5	PTY 14.5 X 125		
17	10.5	25	2.2	22	10	28	12.5	PTY 17 X 025
		30	1.9	22	12	28	15.0	PTY 17 X 030
		35	1.6	22	14	28	17.5	PTY 17 X 035
		40	1.4	22	16	28	20.0	PTY 17 X 040
		45	1.2	22	18	28	22.5	PTY 17 X 045
		50	1.1	22	20	28	25.0	PTY 17 X 050
		55	1.0	22	22	28	27.5	PTY 17 X 055
		60	0.9	22	24	28	30.0	PTY 17 X 060
		65	0.9	22	26	28	32.5	PTY 17 X 065
		70	0.8	22	28	28	35.0	PTY 17 X 070
		75	0.7	22	30	28	37.5	PTY 17 X 075
		80	0.7	22	32	28	40.0	PTY 17 X 080
		90	0.6	22	36	28	45.0	PTY 17 X 090
		100	0.6	22	40	28	50.0	PTY 17 X 100
		125	0.4	22	50	28	62.5	PTY 17 X 125
150	0.4	22	60	28	75.0	PTY 17 X 150		
21	13	30	2.4	29	12	36	15.0	PTY 21 X 030
		35	2.0	29	14	36	17.5	PTY 21 X 035
		40	1.8	29	16	36	20.0	PTY 21 X 040
		45	1.6	29	18	36	22.5	PTY 21 X 045
		50	1.4	29	20	36	25.0	PTY 21 X 050
		55	1.3	29	22	36	27.5	PTY 21 X 055
		60	1.2	29	24	36	30.0	PTY 21 X 060
		65	1.1	29	26	36	32.5	PTY 21 X 065
		70	1.0	29	28	36	35.0	PTY 21 X 070
		75	1.0	29	30	36	37.5	PTY 21 X 075
		80	0.9	29	32	36	40.0	PTY 21 X 080
		90	0.8	29	36	36	45.0	PTY 21 X 090
		100	0.7	29	40	36	50.0	PTY 21 X 100
		125	0.6	29	50	36	62.5	PTY 21 X 125
		150	0.5	29	60	36	75.0	PTY 21 X 150
26	16.5	30	3.6	42	12	53	15.0	PTY 26 X 030
		35	3.1	42	14	53	17.5	PTY 26 X 035
		40	2.7	42	16	53	20.0	PTY 26 X 040
		45	2.4	42	18	53	22.5	PTY 26 X 045
		50	2.1	42	20	53	25.0	PTY 26 X 050
		55	1.9	42	22	53	27.5	PTY 26 X 055

Do	Di	Lo	C	40% x Length Maximum Life		50% x Length Average Life		Code		
				Pm (kg)	Lm (mm)	Pa (kg)	La (mm)			
26	16.5	60	1.8	42	24	53	30.0	PTY 26 X 060		
		65	1.6	42	26	53	32.5	PTY 26 X 065		
		70	1.5	42	28	53	35.0	PTY 26 X 070		
		75	1.4	42	30	53	37.5	PTY 26 X 075		
		80	1.3	42	32	53	40.0	PTY 26 X 080		
		90	1.2	42	36	53	45.0	PTY 26 X 090		
		100	1.1	42	40	53	50.0	PTY 26 X 100		
		110	1.0	42	44	53	55.0	PTY 26 X 110		
		125	0.9	42	50	53	62.5	PTY 26 X 125		
		150	0.7	42	60	53	75.0	PTY 26 X 150		
		175	0.6	42	70	53	87.5	PTY 26 X 175		
		200	0.5	42	80	53	100.0	PTY 26 X 200		
		32	21	40	3.6	57	16	71	20.0	PTY 32 X 040
				45	3.2	57	18	71	22.5	PTY 32 X 045
				50	2.8	57	20	71	25.0	PTY 32 X 050
60	2.4			57	24	71	30.0	PTY 32 X 060		
70	2.0			57	28	71	35.0	PTY 32 X 070		
80	1.8			57	32	71	40.0	PTY 32 X 080		
90	1.6			57	36	71	45.0	PTY 32 X 090		
100	1.4			57	40	71	50.0	PTY 32 X 100		
110	1.3			57	44	71	55.0	PTY 32 X 110		
125	1.1			57	50	71	62.5	PTY 32 X 125		
150	1.0			57	60	71	75.0	PTY 32 X 150		
175	0.8			57	70	71	87.5	PTY 32 X 175		
200	0.7			57	80	71	100.0	PTY 32 X 200		
250	0.6			57	100	71	125.0	PTY 32 X 250		
300	0.5			57	120	71	150.0	PTY 32 X 300		
39	26	40	4.7	74	16	93	20.0	PTY 39 X 040		
		45	4.2	74	18	93	22.5	PTY 39 X 045		
		50	3.7	74	20	93	25.0	PTY 39 X 050		
		60	3.1	74	24	93	30.0	PTY 39 X 060		
		70	2.7	74	28	93	35.0	PTY 39 X 070		
		80	2.3	74	32	93	40.0	PTY 39 X 080		
		90	2.1	74	36	93	45.0	PTY 39 X 090		
		100	1.9	74	40	93	50.0	PTY 39 X 100		
		110	1.7	74	44	93	55.0	PTY 39 X 110		
		125	1.6	74	50	93	62.5	PTY 39 X 125		
		150	1.2	74	60	93	75.0	PTY 39 X 150		
		175	1.1	74	70	93	87.5	PTY 39 X 175		
		200	0.9	74	80	93	100.0	PTY 39 X 200		
		250	0.8	74	100	93	125.0	PTY 39 X 250		
		300	0.6	74	120	93	150.0	PTY 39 X 300		
46	32	50	5.0	99	20	124	25.0	PTY 46 X 050		
		60	4.2	99	24	124	30.0	PTY 46 X 060		
		70	3.6	99	28	124	35.0	PTY 46 X 070		
		80	3.1	99	32	124	40.0	PTY 46 X 080		
		90	2.8	99	36	124	45.0	PTY 46 X 090		
		100	2.5	99	40	124	50.0	PTY 46 X 100		
		110	2.3	99	44	124	55.0	PTY 46 X 110		
		125	2.0	99	50	124	62.5	PTY 46 X 125		
		150	1.7	99	60	124	75.0	PTY 46 X 150		
		175	1.4	99	70	124	87.5	PTY 46 X 175		
		200	1.2	99	80	124	100.0	PTY 46 X 200		
		250	1.0	99	100	124	125.0	PTY 46 X 250		
		300	0.8	99	120	124	150.0	PTY 46 X 300		



Ultra Load Springs

Colour - Silver

PUL

Dh (mm)	Dd (mm)	Lo (mm)	C (Kg/mm)	Maximum Life		Average Life		Code
				Pm (Kg)	Lm (mm)	Pa (Kg)	La (mm)	
25	12.5	64	65.7	420	6.4	630	9.6	PUL 25 X 064
		76	56.7	431	7.6	646	11.4	PUL 25 X 076
		89	47.1	419	8.9	629	13.4	PUL 25 X 089
		102	39.8	406	10.2	608	15.3	PUL 25 X 102
		115	36.7	422	11.5	633	17.3	PUL 25 X 115
		127	33.3	423	12.7	633	19.1	PUL 25 X 127
		152	26.0	395	15.2	693	22.8	PUL 25 X 152
		178	23.5	418	17.8	626	26.7	PUL 25 X 178
		203	20.6	418	20.3	627	30.5	PUL 25 X 203
305	13.9	424	30.5	634	45.8	PUL 25 X 305		
32	16	64	109.9	703	6.4	1054	9.6	PUL 32 X 064
		76	89.1	677	7.6	1016	11.4	PUL 32 X 076
		89	73.5	654	8.9	982	13.4	PUL 32 X 089
		102	63.2	644	10.2	968	15.3	PUL 32 X 102
		115	57.1	656	11.5	985	17.3	PUL 32 X 115
		127	50.6	642	12.7	964	19.1	PUL 32 X 127
		152	41.6	632	15.2	949	22.8	PUL 32 X 152
		178	36.0	640	17.8	961	26.7	PUL 32 X 178
		203	31.0	629	20.3	944	30.5	PUL 32 X 203
		254	24.8	629	25.4	944	38.1	PUL 32 X 254
305	20.0	610	30.5	915	45.8	PUL 32 X 305		
40	20	89	89.8	799	8.9	1198	13.4	PUL 40 X 089
		102	77.7	793	10.2	1189	15.3	PUL 40 X 102
		115	69.3	797	11.5	1194	17.3	PUL 40 X 115
		127	63.4	805	12.7	1208	19.1	PUL 40 X 127
		152	51.9	788	15.2	1183	22.8	PUL 40 X 152
		178	43.8	780	17.8	1168	26.7	PUL 40 X 178
		203	38.1	773	20.3	1161	30.5	PUL 40 X 203
		254	30.2	767	25.4	1150	38.1	PUL 40 X 254
305	25.1	766	30.5	1148	45.8	PUL 40 X 305		
50	25	89	143.8	1280	8.9	1920	13.4	PUL 50 X 089
		102	123.9	1264	10.2	1896	15.3	PUL 50 X 102
		115	109.8	1263	11.5	1893	17.3	PUL 50 X 115
		127	98.7	1253	12.7	1880	19.1	PUL 50 X 127
		152	82.2	1249	15.2	1874	22.8	PUL 50 X 152
		178	71.2	1267	17.8	1900	26.7	PUL 50 X 178
		203	62.4	1267	20.3	1900	30.5	PUL 50 X 203
		254	48.1	1222	25.4	1834	38.1	PUL 50 X 254
		305	39.6	1208	30.5	1810	45.8	PUL 50 X 305

