



PBL

Medium Load Springs Equivalent to ISO 10243 Colour - Blue



Dh (mm)	Dd (mm)	Lo (mm)	C (Kg/mm)	Maximum Life		Average Life		Code		
				Pm (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	10.6	8.0	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	28.5	PBL 10 X 076		
		305	0.2	12.2	76.3	18.7	114.4	PBL 10 X 305		
13	6.3	25	3.1	19.1	6.3	28.8	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 16X 032		
		38	3.5	32.8	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	2.6			48.6	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	8.2	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		

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				Pm (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	44.5	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	18.9	179.3	9.5	269.9	14.3	PBL 32 X 038
		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	156.0	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	213.6	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	300.5	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	298.0	76.3	446.0	114.4	PBL 50 X 305
		63	38	76	31.8	604.0	19.0	906.0
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	792.0	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	6.6			504.0	76.3	755.0	114.4	PBL 63 X 305

Note : Spring beyond standard OD, ID & Length can also be manufactured (Refer Page No. 38-39)