



Heavy Load Springs

Equivalent to ISO 10243

Colour - Red

PRE



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	2.3	11.3	5.0	16.9	7.5	PRE 10 X 025
		32	1.8	11.4	6.4	17.1	9.6	PRE 10 X 032
		38	1.7	13.2	7.6	19.9	11.4	PRE 10 X 038
		44	1.5	13.5	8.8	20.2	13.2	PRE 10 X 044
		51	1.3	13.3	10.2	20.0	15.3	PRE 10 X 051
		64	1.1	14.0	12.8	20.9	19.2	PRE 10 X 064
		76	0.8	11.6	15.2	17.4	22.8	PRE 10 X 076
		305	0.2	12.8	61.0	19.6	91.5	PRE 10 X 305
13	6.3	25	4.3	21.5	5.0	32.2	7.5	PRE 13 X 025
		32	3.4	21.6	6.4	32.5	9.6	PRE 13 X 032
		38	3.0	22.6	7.6	34.1	11.4	PRE 13 X 038
		44	2.5	22.0	8.8	33.2	13.2	PRE 13 X 044
		51	2.0	20.3	10.2	30.1	15.3	PRE 13 X 051
		64	1.5	19.6	12.8	29.4	19.2	PRE 13 X 064
		76	1.3	20.4	15.2	30.7	22.8	PRE 13 X 076
		89	1.2	20.6	17.8	31.0	26.7	PRE 13 X 089
		102	0.9	17.3	20.4	26.2	30.6	PRE 13 X 102
		305	0.3	17.1	61.0	26.1	91.5	PRE 13 X 305
16	8	25	7.7	38.6	5.0	57.9	7.5	PRE 16 X 025
		32	5.4	34.4	6.4	51.7	9.6	PRE 16 X 032
		38	4.9	37.5	7.6	56.4	11.4	PRE 16 X 038
		44	4.4	38.4	8.8	57.6	13.2	PRE 16 X 044
		51	3.8	38.6	10.2	57.9	15.3	PRE 16 X 051
		64	3.1	39.6	12.8	59.4	19.2	PRE 16 X 064
		76	2.6	39.8	15.2	59.8	22.8	PRE 16 X 076
		89	2.2	39.3	17.8	59.1	26.7	PRE 16 X 089
		102	2.0	40.0	20.4	60.3	30.6	PRE 16 X 102
		115	1.6	36.8	23.0	55.3	34.5	PRE 16 X 115
		305	0.7	43.9	61.0	66.3	91.5	PRE 16 X 305
20	10	25	22.0	110.2	5.0	165.2	7.5	PRE 20 X 025
		32	17.1	109.6	6.4	164.5	9.6	PRE 20 X 032
		38	13.2	100.5	7.6	150.0	11.4	PRE 20 X 038
		44	11.4	100.5	8.8	150.8	13.2	PRE 20 X 044
		51	9.6	97.7	10.2	146.7	15.3	PRE 20 X 051
		64	7.4	94.1	12.8	141.2	19.2	PRE 20 X 064
		76	6.1	92.4	15.2	138.8	22.8	PRE 20 X 076
		89	5.2	91.7	17.8	137.5	26.7	PRE 20 X 089
		102	4.5	91.8	20.4	138.0	30.6	PRE 20 X 102
		115	3.9	89.9	23.0	135.2	34.5	PRE 20 X 115
		127	3.5	88.1	25.4	132.5	38.1	PRE 20 X 127
		139	3.2	87.8	27.8	132.8	42.0	PRE 20 X 139
		152	2.9	87.2	30.4	131.2	45.6	PRE 20 X 152
		305	1.5	92.7	61.0	140.0	91.5	PRE 20 X 305
25	12.5	25	38.3	191.3	5.0	286.9	7.5	PRE 25 X 025
		32	30.3	193.9	6.4	290.8	9.6	PRE 25 X 032
		38	22.3	169.7	7.6	254.7	11.4	PRE 25 X 038
		44	19.1	167.8	8.8	251.7	13.2	PRE 25 X 044
		51	15.9	162.3	10.2	243.5	15.3	PRE 25 X 051
		64	12.5	160.5	12.8	240.9	19.2	PRE 25 X 064
		76	10.1	153.4	15.2	230.2	22.8	PRE 25 X 076
		89	8.6	152.4	17.8	228.8	26.7	PRE 25 X 089
		102	7.4	151.8	20.4	227.9	30.6	PRE 25 X 102
		115	6.6	152.5	23.0	228.8	34.5	PRE 25 X 115
		127	5.9	149.4	25.4	224.2	38.1	PRE 25 X 127
		139	5.4	149.3	27.8	225.7	42.0	PRE 25 X 139

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	152	4.9	148.0	30.4	222.4	45.6	PRE 25 X 152		
		178	4.2	148.8	35.6	223.3	53.4	PRE 25 X 178		
		203	3.7	148.2	40.6	222.4	60.9	PRE 25 X 203		
		305	2.3	142.1	61.0	213.7	91.5	PRE 25 X 305		
		32	16	38	39.6	300.7	7.6	451.1	11.4	PRE 32 X 038
44	33.0			290.8	8.8	436.3	13.2	PRE 32 X 044		
51	27.7			282.9	10.2	424.5	15.3	PRE 32 X 051		
64	21.6			276.7	12.8	415.1	19.2	PRE 32 X 064		
76	17.5			266.6	15.2	400.0	22.8	PRE 32 X 076		
89	14.4			256.0	17.8	384.0	26.7	PRE 32 X 089		
102	12.4			253.8	20.4	380.8	30.6	PRE 32 X 102		
115	10.9			250.9	23.0	376.6	34.5	PRE 32 X 115		
127	9.5			240.8	25.4	361.4	38.1	PRE 32 X 127		
139	8.8			243.8	27.8	368.4	42.0	PRE 32 X 139		
152	8.0			241.7	30.4	362.8	45.6	PRE 32 X 152		
178	6.9			243.9	35.6	366.0	53.4	PRE 32 X 178		
203	6.0			244.4	40.6	367.1	60.9	PRE 32 X 203		
254	4.7			240.3	50.8	360.7	76.2	PRE 32 X 254		
305	3.9			236.1	61.0	354.7	91.5	PRE 32 X 305		
40	20	51	35.7	364.1	10.2	546.2	15.3	PRE 40 X 051		
		64	27.4	351.1	12.8	526.8	19.2	PRE 40 X 064		
		76	22.3	339.4	15.2	509.3	22.8	PRE 40 X 076		
		89	19.4	345.0	17.8	517.4	26.7	PRE 40 X 089		
		102	16.6	339.0	20.4	508.8	30.6	PRE 40 X 102		
		115	14.5	333.0	23.0	499.7	34.5	PRE 40 X 115		
		127	13.1	331.5	25.4	497.5	38.1	PRE 40 X 127		
		139	11.7	326.1	27.8	492.7	42.0	PRE 40 X 139		
		152	10.7	325.6	30.4	488.4	45.6	PRE 40 X 152		
		178	9.1	322.9	35.6	484.8	53.4	PRE 40 X 178		
		203	7.9	318.7	40.6	478.3	60.9	PRE 40 X 203		
		254	6.2	316.0	50.8	474.0	76.2	PRE 40 X 254		
		305	5.2	317.2	61.0	476.0	91.5	PRE 40 X 305		
		50	25	64	42.1	539.0	12.8	808.0	19.2	PRE 50 X 064
76	34.6			526.0	15.2	789.0	22.8	PRE 50 X 076		
89	29.4			523.0	17.8	785.0	26.7	PRE 50 X 089		
102	25.0			510.0	20.4	765.0	30.6	PRE 50 X 102		
115	21.9			504.0	23.0	756.0	34.5	PRE 50 X 115		
127	19.6			498.0	25.4	747.0	38.1	PRE 50 X 127		
139	17.1			475.0	27.8	718.0	42.0	PRE 50 X 139		
152	15.7			477.0	30.4	716.0	45.6	PRE 50 X 152		
178	13.7			488.0	35.6	732.0	53.4	PRE 50 X 178		
203	11.9			483.0	40.6	725.0	60.9	PRE 50 X 203		
254	9.1			462.0	50.8	693.0	76.2	PRE 50 X 254		
305	7.4			451.0	61.0	677.0	91.5	PRE 50 X 305		
63	38			76	63.0	958.0	15.2	1436.0	22.8	PRE 63 X 076
				89	52.5	935.0	17.8	1402.0	26.7	PRE 63 X 089
		102	44.7	912.0	20.4	1368.0	30.6	PRE 63 X 102		
		115	37.7	867.0	23.0	1301.0	34.5	PRE 63 X 115		
		127	34.0	864.0	25.4	1295.0	38.1	PRE 63 X 127		
		152	27.4	833.0	30.4	1249.0	45.6	PRE 63 X 152		
		178	23.1	822.0	35.6	1234.0	53.4	PRE 63 X 178		
		203	20.2	820.0	40.6	1230.0	60.9	PRE 63 X 203		
		254	15.8	803.0	50.8	1204.0	76.2	PRE 63 X 254		
		305	13.1	799.0	61.0	1199.0	91.5	PRE 63 X 305		

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