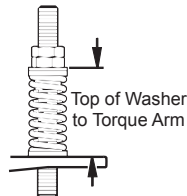


# SPRING LENGTH CHARTS

## Primary Cleaners

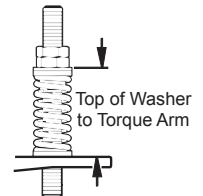
### MMP Spring Length Chart

BLADE WIDTH	PURPLE SPRINGS	WHITE SPRINGS	GOLD SPRINGS
500	107	N/A	N/A
650	95	146	N/A
700	N/A	145	N/A
850	N/A	140	N/A
900	N/A	138	N/A
1050	N/A	133	N/A
1100	N/A	131	N/A
1250	N/A	126	N/A
1300	N/A	125	142
1450	N/A	120	139
1500	N/A	N/A	138
1650	N/A	N/A	135
1700	N/A	N/A	134
1800	N/A	N/A	132
1850	N/A	N/A	131



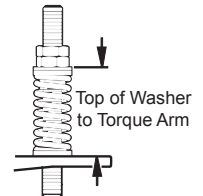
### HV-PCST Spring Length Chart

BELT WIDTH	BLACK SPRING				GOLD SPRING			
	S	M	L	LL	S	M	L	LL
600	111	110	109	107	N/A	N/A	N/A	N/A
800	109	107	107	104	N/A	N/A	N/A	N/A
1000	106	105	104	100	N/A	N/A	N/A	N/A
1200	104	102	101	97	N/A	N/A	N/A	N/A
1400	102	100	98	93	108	106	106	102
1600	100	97	96	90	106	105	104	100
1800	97	95	93	N/A	105	103	102	98



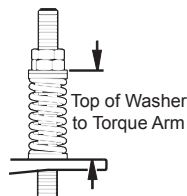
### HV-PCST Single SAC Spring Length Chart

BELT WIDTH	SINGLE CARTRIDGE BLACK SPRING				SINGLE CARTRIDGE GOLD SPRING			
	CS	CM	CL	CLL	CS	CM	CL	CLL
600	111	110	109	107	N/A	N/A	N/A	N/A
800	109	107	107	104	N/A	N/A	N/A	N/A
1000	106	105	104	100	N/A	N/A	N/A	N/A
1200	104	102	101	97	N/A	N/A	N/A	N/A
1400	102	100	98	93	108	106	106	102
1600	100	97	96	90	106	105	104	100
1800	97	95	93	N/A	105	103	102	98



### MHP/MHCP PST Spring Length Chart

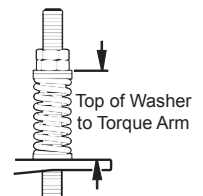
BLADE WIDTH	NO. OF BLADES*	WHITE SPRINGS	SILVER SPRINGS
450	3	142	162
600	4	149	159
750	5	143	156
900	6	140	156
1050	7	133	152
1200	8	N/A	149
1350	9	N/A	146
1500	10	N/A	146
1650	11	N/A	143
1950	13	N/A	140



\*MHCP Only

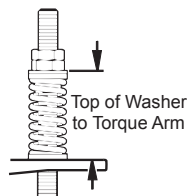
### HV-PCST Dual SAC Spring Length Chart

BELT WIDTH	SINGLE CARTRIDGE BLACK SPRING				SINGLE CARTRIDGE GOLD SPRING			
	CS	CM	CL	CLL	CS	CM	CL	CLL
1200	109	108	108	105	N/A	N/A	N/A	N/A
1400	108	107	106	103	N/A	N/A	N/A	N/A
1600	107	105	104	101	N/A	N/A	N/A	N/A
1800	105	104	103	99	N/A	N/A	N/A	N/A
2000	104	102	101	96	N/A	N/A	N/A	N/A
2200	103	101	99	94	159	158	157	154
2400	N/A	N/A	N/A	N/A	158	157	156	153
2600	N/A	N/A	N/A	N/A	157	156	155	151
2800	N/A	N/A	N/A	N/A	157	155	154	150
3000	N/A	N/A	N/A	N/A	156	154	153	149



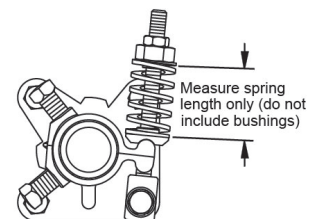
### EZP1 EST Spring Length Chart

BLADE WIDTH	PURPLE SPRING	SILVER SPRING	BLACK SPRING
250	147	159	161
400	134	154	157
550	120	148	152
700	107	143	148
850	N/A	137	143
1000	N/A	132	139
1150	N/A	126	134
1300	N/A	121	130
1450	N/A	N/A	126
1600	N/A	N/A	121
1750	N/A	N/A	117



### EZP-LS Spring Length Chart

BLADE WIDTH	PURPLE SPRING	WHITE SPRING	SILVER SPRING
250	51	N/A	N/A
400	41	54	N/A
550	N/A	51	N/A
700	N/A	48	N/A
850	N/A	44	N/A
1000	N/A	38	N/A
1150	N/A	35	51
1300	N/A	N/A	51
1450	N/A	N/A	48

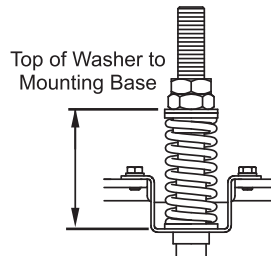


# SPRING LENGTH CHARTS

## Secondary Cleaners

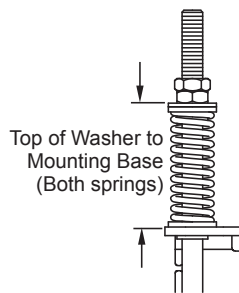
### MHS SST Spring Length Chart

BLADE WIDTH	WHITE SPRING	SILVER SPRING	BLACK SPRING	GOLD SPRING
450	86	102	N/A	N/A
600	77	98	N/A	N/A
750	73	95	N/A	N/A
900	N/A	95	98	N/A
1050	N/A	92	95	N/A
1200	N/A	89	92	N/A
1350	N/A	86	92	95
1500	N/A	83	89	95
1800	N/A	N/A	86	92
2100	N/A	N/A	79	89
2400	N/A	N/A	N/A	86



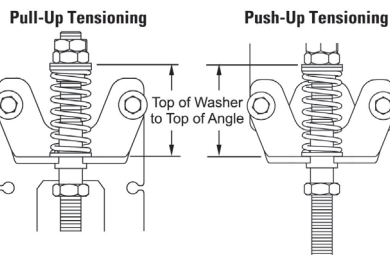
### MHS CST Spring Length Chart

BLADE WIDTH	WHITE SPRING	SILVER SPRING	BLACK SPRING	GOLD SPRING
450	85	102	N/A	N/A
600	78	99	N/A	N/A
750	72	97	N/A	N/A
900	N/A	94	98	N/A
1050	N/A	91	95	N/A
1200	N/A	88	93	N/A
1350	N/A	86	91	N/A
1500	N/A	83	89	103
1800	N/A	N/A	84	101
2100	N/A	N/A	80	99
2400	N/A	N/A	N/A	97
3000	N/A	N/A	N/A	93



### Y-Type SD with YST Spring Length Chart

BLADE WIDTH	CARBIDE TIP	URETHANE TIP	
	SILVER SPRINGS	YELLOW SPRINGS	PURPLE SPRINGS
450	105	83	92
600	102	73	86
750	98	67	79
900	95	57	73
1050	92	N/A	67
1200	89	N/A	60



### Y-Type HD with YST Spring Length Chart

BLADE WIDTH	CARBIDE TIP		URETHANE TIP	
	SILVER SPRINGS	BLACK SPRINGS	GREEN SPRINGS	BLUE SPRINGS
900	98	102	76	86
1050	95	98	73	83
1200	92	95	67	79
1350	89	95	64	76
1500	86	92	N/A	73
1800	83	89	N/A	64

