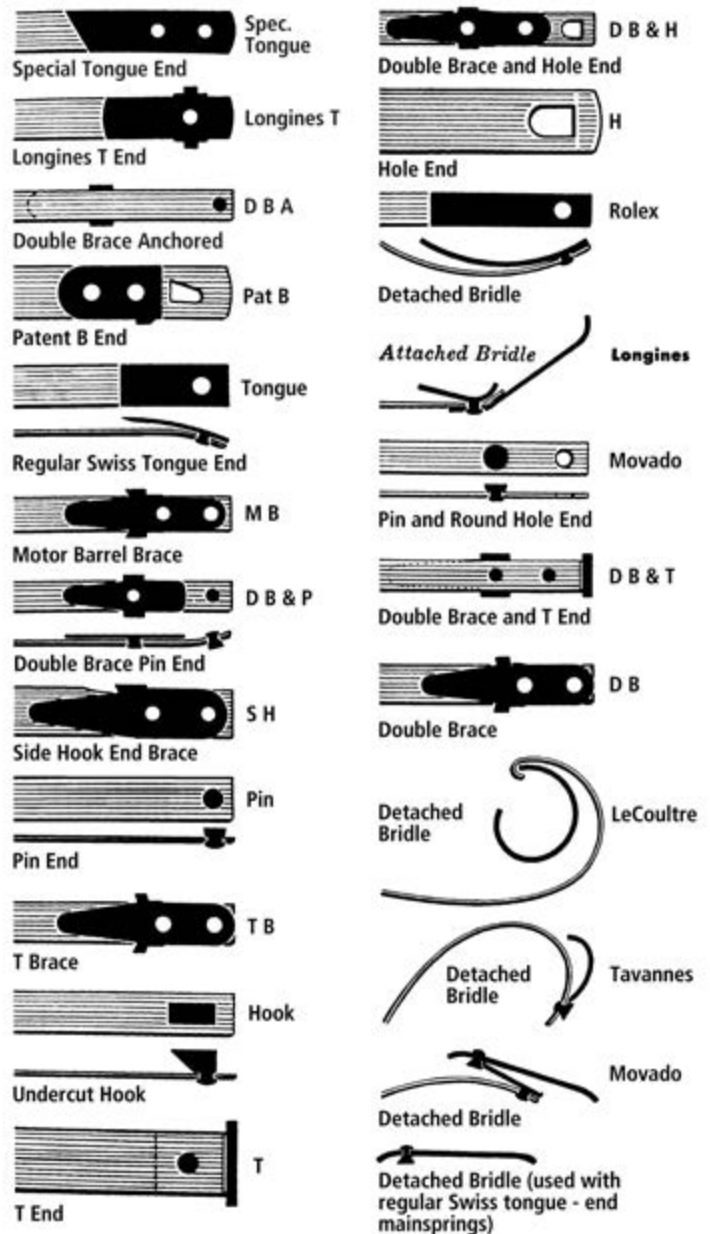


Cas-Ker mainsprings

MAINSRING GAUGE CHART

Width Dennison	Width Metric	Strength Dennison	Strength Metric
5/0	0.50	0000	0.29
4/0	0.60	000	0.27
3/0	0.70	00	0.26
2/0-1/2	0.75	0	0.25
2/0	0.80	0-1/2	0.24
1/0-1/2	0.85	1	0.23
1/0	0.90	2	0.22
1/2-0	0.95	3	0.21
1	1.00	3-1/2	0.20
2	1.10	4	0.19
3	1.20	5	0.18
4	1.30	6	0.17
5	1.40	6-1/2	0.16
6	1.50	7	0.15
7	1.60	8	0.14
8	1.70	9	0.13
9	1.80	9-1/2	0.12
10	1.90	10	0.11
11	2.00	11	0.10
12	2.10	12	0.09
13	2.20	12-1/4	.0875
14	2.30	12-1/2	.0850
15	2.40	12-3/4	.0825
16	2.50	13	.0800
17	2.60	14	.0700
18	2.70	15	.0600
19	2.80	16	.0500
20	2.90		
21	3.00		
22	3.10		
23	3.20		
24	3.30		
25	3.40		
26	3.50		
27	3.60		
28	3.70		
29	3.80		
30	3.90		
31	4.00		
32	4.10		

Mainspring End Type Abbreviations



WHITE ALLOY MAINSPRINGS FOR AMERICAN WATCHES

Item No.	Size	Factory No.	Width	Dennison Strength	Length	Metric Width	Metric Strength	End
ELGIN								
MS-JA101	18S	812	20	2	21-1/2"	2.90 mm	.22	DB & HOLE
MS-JA103	18S	812	20	1	21-1/2"	2.90 mm	.23	DB & HOLE
MS-JA104	16S	817	17-1/2	4-1/2	21-1/2"	2.65 mm	.185	DB & HOLE
MS-JA105	16S	817	17-1/2	3-3/8	12-1/2"	2.65 mm	.20	DB & HOLE
MS-JA106	16S	817	17-1/2	3	21-1/2"	2.65 mm	.205	DB & HOLE
MS-JA107	16S	6164	20	4	24"	2.90 mm	.19	DB & HOLE
MS-JA110	12S	2339/6093	11	4	20"	2.00 mm	.19	DB & HOLE
MS-JA111	12S	2874	7	4-1/2	20-1/4"	1.60 mm	.185	DB & HOLE
MS-JA112	6S	824	10	5	17-1/2	1.90 mm	.18	DB & HOLE
MS-JA113	0S	6094	3-1/2	6-3/4	14-1/4"	1.25 mm	.155	DB & HOLE
MS-JA115	0&3/0S	2097/6095	8	8	16-1/2"	1.70 mm	.14	DB & HOLE
MS-JA118	4/0S	4789/6096	10	10	15"	1.90 mm	.17	DB & HOLE
MS-JA120	5/0&6/0S	2890/6098	3-1/2	10	11-1/2"	1.25 mm	.115	DB & HOLE
MS-JA122	8/0S	5219/6002	7-1/2	11	12"	1.65 mm	.10	DB & HOLE
MS-JA124	10/0S	1957/6009	3-1/2	9-1/2	9-3/4"	1.25 mm	.12	DB & HOLE
MS-JA126	15/0S	5550/6003	4	11	12"	1.27 mm	.10	DB & HOLE
MS-JA127	19/0S	6330	6-1/2	13-1/2	11-3/4"	1.53 mm	.075	DB & HOLE
MS-JA128	20/0S	5015/6100	2	12	8-1/2"	1.15 mm	.09	DB & HOLE
MS-JA130	21/0S	5327/6004	4	12	9-1/4"	1.27 mm	.09	DB & HOLE
MS-JA131	21/0S	6246	6-1/2	14	9-1/2"	1.53 mm	.07	DB & HOLE
MS-JA132	13/0S	258.730	13/0					

HAMILTON

MS-JA201	18S	15/718013	19-1/2	3	21-1/4"	2.85 mm	.21	T
MS-JA204	16S	534B/718050	21	6-1/2	23-1/2"	3.00 mm	.155	DB
MS-JA206	16S	317/718042	19-1/2	4	21-1/4"	2.85 mm	.19	T
*MS-JA205	16S	318/718043	19-1/2	3-3/8	21-1/4"	2.85 mm	.20	T
MS-JA207	16S	317/718041	19-1/2	5	21-1/4"	2.85 mm	.18	T
MS-JA208	16S	534/718047	19-1/2	6-3/8	20-3/4"	2.85 mm	.165	DB
MS-JA209	12S	1228/3028/71BD71	8	5	21-1/4"	1.70 mm	.18	DB
MS-JA210	10S	917/921/923/634	6	6	17-1/2"	1.50 mm	.17	MB
MS-JA213	6/0S	1721/1921/718200	5	8-1/2	10"	1.35 mm	.135	T
MS-JA215	6/0S	2321/2521/718201/718202	5	9-1/2	11-1/2"	1.40 mm	.125	T
MS-JA217	6/0S	2621/718203	5	9-3/4	11"	1.35 mm	.115	T
MS-JA218	8/0S	7221/718272	5	11-1/2	13-1/2"	1.40 mm	.095	T
MS-JA219	8/0S	7221/718271	5	12-1/2	13-1/2"	1.40 mm	.085	T
MS-JA220	12/0S	4128/7184Q0	3	9-1/4	14-1/2"	1.18 mm	.125	T
MS-JA223	14/0S	5021/718440	4	10	11-1/4"	1.30 mm	.11	T-BRACE
MS-JA226	18/0S	2721/718501	2	12	11"	1.10 mm	.09	T
MS-JA229	20/0&21/0S	2921/718531	1	13	9"	1.00 mm	.08	T-BRACE
MS-JA230	20/0&21/0S	36434/717532	1	12	9"	1.00 mm	.09	T-BRACE
MS-JA232	22/0S	6221/718601	5	14-1/2	8"	1.40 mm	.07	T-BRACE

HAMPDEN

*MS-JA303	18S	1696	20	3	21-1/4"	2.90 mm	.21	T
MS-JA304	18S	1696	20	1	21-3/4"	2.90 mm	.23	T
MS-JA305	16S	2696	20	4	21-3/4"	2.90 mm	.19	T
MS-JA306	16S	3696	18	3-1/2	21-1/2"	2.70 mm	.20	T
MS-JA307	16S	3696	18	4	21"	2.70 mm	.19	T
MS-JA308	16S	4697	18	5	21"	2.70 mm	.18	T-BRACE
MS-JA309	16S	5697	18	6	21-1/2"	2.70 mm	.165	HOLE
MS-JA310	12S	6696	9	5	18-1/2"	1.80 mm	.18	T
MS-JA311	12S	12696	5	5-1/2	19"	1.40 mm	.175	T
MS-JA312	6S	8696	8-1/2	6	16-1/4"	1.75 mm	.165	T
MS-JA313	3/0S	9696	5-1/2	6-1/2	13"	1.40 mm	.16	T
MS-JA314	8/0S	15696	3-1/2	8	8-1/2"	1.25 mm	.14	T

HOWARD

MS-JA350	18S	55	19	3	23-1/2"	2.80 mm	.205	HOLE
*MS-JA352	16S	328	18-1/2	6	21-1/2"	2.75 mm	.165	HOLE
MS-JA354	12S	552	9	7	19-1/2"	1.80 mm	.15	HOLE
MS-JA355	12S	553	9	6-1/2	19"	1.80 mm	.16	T
MS-JA356	10S	796	6	7	16"	1.50 mm	.15	HOOK

WHITE ALLOY MAINSPRINGS FOR AMERICAN WATCHES

Item No.	Size	Factory No.	Width	Dennison Strength	Length	Metric Width	Metric Strength	End
ILLINOIS								
MS-JA402	18S	47302	20	3	21-1/2"	2.90 mm	.21	T
MS-JA404	18S	47303	20	2	21-1/2	2.90 mm	.22	T
MS-JA406	16S	47309	21	6-1/2	27"	3.00 mm	.155	D.B
MS-JA410	16S	47315	18	4-1/2	20-1/2"	2.70 mm	.185	T-BRACE
MS-JA412	16S	47317	18	3	20-1/2"	2.70 mm	.21	T-BRACE
MS-JA415	16S (Bunn special)	47326/7	18	5-1/2	22-1/2"	2.70mm	.175	MB
MS-JA416	16S (Bunn special)	47331	18	5-1/2	22-1/2"	2.70 mm	.175	DB
MS-JA419	16S	47333	20	3-1/2	20-1/2"	2.90 mm	.20	T
MS-JA421	16S	47334	16	3	20"	2.50 mm	.21	T
MS-JA422	12S	47337	5	5	18-1/2"	1.35 mm	.18	MB
MS-JA423	12S	47343	11	6	18-1/2"	2.00 mm	.17	T-BRACE
*MS-JA425	12S	47344	11	5	18-1/2"	2.00 mm	.18	T-BRACE
MS-JA428	0S&3/0S	47358	8	9	13"	1.70 mm	.13	T
MS-JA432	6/0S	47364	3	9	10-1/2"	1.20 mm	.13	T-BRACE
MS-JA434	6/0S	47371	5	10	12-1/2"	1.40 mm	.11	T-BRACE
MS-JA436	18/0S	47383	3	12	10-1/2"	1.20 mm	.09	T-BRACE
NEW YORK STANDARD								
MS-JA502	18S	2190	20	1	20"	2.90 mm	.23	T
MS-JA506	16S	3349/3196	15-1/2	2	20-1/2"	2.45 mm	.22	T
MS-JA508	12S	4284	9-1/4	3-1/2	18"	1.83 mm	.20	TONGUE
MS-JA509	12S	4144	10	2	19"	1.90 mm	.22	T
MS-JA511	10S	7080	6	4	17"	1.50 mm	.19	TONGUE
ROCKFORD								
MS-JA550	18S	644	20	2	22"	2.90 mm	.22	T
MS-JA551	16S	822	18	3	20-1/2"	2.70 mm	.205	T
MS-JA552	12S	932	11	5-1/2	18-3/4"	2.00 mm	.172	T
MS-JA553	0S	1077	8	8	13-3/4"	1.70 mm	.14	T
SETH THOMAS								
MS-JA652	18S	536	24	4	21-1/2"	3.30 mm	.19	T-BRACE
MS-JA653	18S	729	24	2	30"	3.30 mm	.22	T-BRACE
SOUTH BEND								
MS-JA600	18S	19528	20-1/2	3-3/4	21-1/2"	2.95 mm	.195	T
MS-JA601	16S	17528	16-1/2	3-1/2	20-1/2"	2.55 mm	.20	T
MS-JA602	16S	27528	19	4	21-3/4"	2.80 mm	.19	T
MS-JA603	12S	55528	11	5-1/2	19"	1.98 mm	.175	T
WALTHAM								
MS-JA701	18S	2203	20	1-1/2	21"	2.90 mm	.225	T
MS-JA702	18S	2203	20	2	21"	2.90 mm	.22	T
MS-JA703	18S	2203	20	2-1/2	21"	2.90 mm	.215	T
MS-JA704	18S	2222	24	6-1/2	25"	3.30 mm	.16	HOLE
MS-JA705	18S	2205	21	2	21"	3.00 mm	.22	T
MS-JA708	16S	2208	14	3	21"	2.30 mm	.22	T
MS-JA710	16S	2227/2267	19	5	25"	2.80 mm	.18	HOLE
MS-JA713	16S	2218/2267	19	4	25"	2.80 mm	.19	HOLE
MS-JA715	16S	2247/2268	17	5	19-1/2"	2.60 mm	.17	DB & HOLE
MS-JA720	12S	2224A/2279	12-1/2	6-3/8	19-1/4"	2.15 mm	.16	HOLE
MS-JA722	12S	2224A 2279	12-1/2	8	19-1/2"	2.15 mm	.14	HOLE
MS-JA725	6S	2215	10	3	16"	1.90 mm	.21	T
MS-JA726	6S	2217	10	4	16"	1.90 mm	.19	T
MS-JA727	6S	2219	12	7	16"	2.10 mm	.15	HOLE
MS-JA729	0S	2220	6	7	16"	1.50 mm	.15	HOLE
MS-JA731	0S	2228	8	9	15"	1.70 mm	.13	HOLE
MS-JA732	0S	2230/2278	11-3/4	8	15"	2.05 mm	.14	HOLE
MS-JA733	0S	2230/2278	11-3/4	9	15"	2.05 mm	.13	HOLE
MS-JA735	6/0S	2226/2276	6	9-1/2	13-1/2"	1.50 mm	.12	HOLE
MS-JA737	6/0S	2235	4	9	13-1/2"	1.30 mm	.13	HOLE
MS-JA743	12S (COL.B.)	2237/2269	8	6	19-1/4"	1.70 mm	.165	HOLE
MS-JA746	7-1/4 ligne	2238/2274	4	10-3/8	12"	1.30 mm	.11	HOLE

WHITE ALLOY MAINSPRINGS FOR AMERICAN WATCHES

Item No.	Size	Factory No.	Width	Dennison Strength	Length	Metric Width	Metric Strength	End
WALTHAM CONTINUED								
MS-JA748	6-1/2 ligne	2239/2272	1-1/2	11	9-3/4"	1.05 mm	.10	HOLE
MS-JA750	4 ligne	2240/2260	2	12	8"	1.10 mm	.09	HOLE
MS-JA751	7-1/2 ligne (750B)	2250	2-1/2	10-1/2	11-1/4"	1.15 mm	.11	DB & HOLE
MS-JA754	8-3/4 ligne	2242	5	12-1/2	8-1/2"	1.40 mm	.085	HOLE
MS-JA756	7-1/2 ligne	2234/2266	2	11	13"	1.12 mm	.10	HOLE
MS-JA758	6-3/4 ligne	2244/2261	3	14-1/2	7-3/4"	1.20 mm	.065	HOLE
MS-JA759	16S	2246	5-1/2	6-1/4	17"	1.50 mm	.165	DB-T
MS-JA760	6/0S	2248/2265	6	11	12"	1.50 mm	.10	DB & HOLE
MS-JA761	6/0S	2248/2265	6	10-3/8	12"	1.50 mm	.11	DB & HOLE
MS-JA762	6-3/4 & 7 ligne	2249/2263	2-1/2	14-1/2	7-1/2"	1.15 mm	.065	TONGUE
MS-JA763	6-3/4 & 8 ligne	2251/2262	4	13	9-1/2"	1.30 mm	.08	DB & HOLE
MS-JA764	8-3/4 ligne 870	2253	4	12-1/2	9"	1.30 mm	.085	DB & HOLE
MS-JA767	22S	2245/2275	45	4-1/2	25"	5.40 mm	.22	DB-

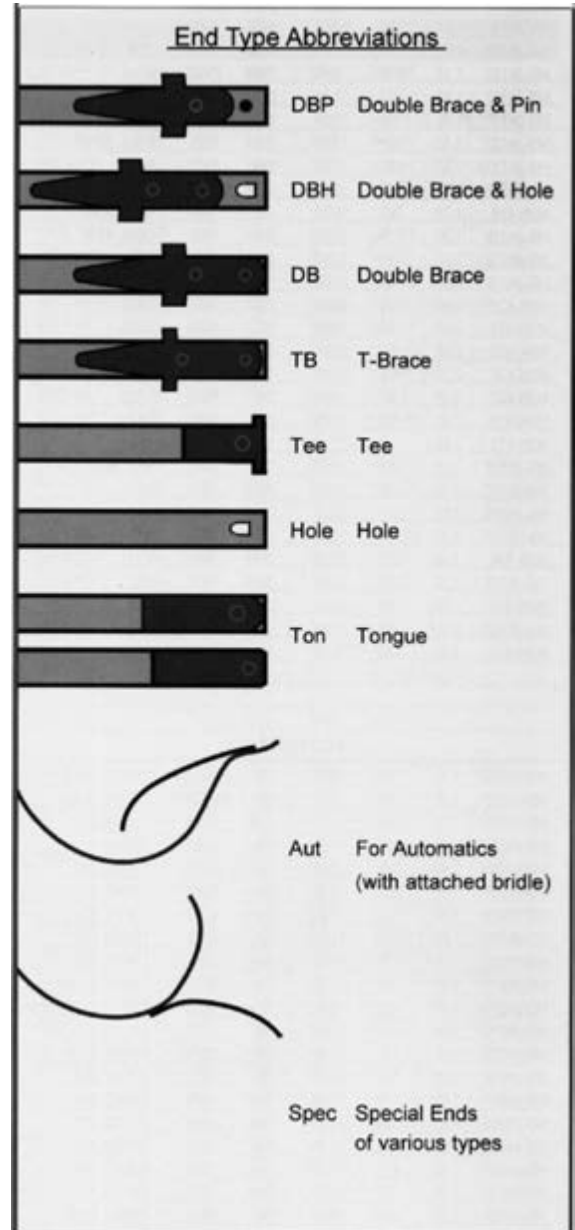
UNBREAKABLE MAINSPRINGS AUTOMATIC WITH ATTACHED BRIDLES

No.	Dennison	For	No.	Dennison	For
MSS-WA38	00-1/2 x 14 x 7-3/4	Universal 24	MSS-WA46	4 x 13 x 10	Felsa 700, 705
MSS-WA2	00 x 14 x 8	LeCoultre 493	MSS-WA89	4 x 13 x 11-3/4	Universal 215
MSS-WA68	0-1/2 x 9-1/2 x 14-1/4	.95x.125 Attached Bridle	MSS-WA37	4 x 13-1/2 x 7-1/2	ETA 1216
MSS-WA3	0-1/2 x 11-1/2 x 12-1/2	Buren 1000,1002,1003	MSS-WA47	4 x 13-12 x 10-1/2	Longines 19A
*MSS-WA28	0-1/2 x 14 x 9-1/2	Omega 670	MSS-WA36	4 x 14 x 8-3/4	Tavannes 470
MSS-WA24	1 x 9-1/2 x 12-1/2	A Schild 1716,1717	MSS-WA90	4 x 14 x 11	Kunh1945,19.451
MSS-WA11	1 x 12 x 13	Buren 1280	MSS-WA4	4 x 15 x 8-1/2	A Schild 1635
MSS-WA42	1-1/2 x 11 x 12-1/2	Movado 395	MSS-WA1	4-1/2 x 9-1/2 x 14-1/2	Enical 1124,1145
MSS-WA63	1-1/2 x 10 x 14-1/4	1.05x.11 Attached Bridle	MSS-WA16	4-1/2 x 10 x 13-1/2	ETA 2451, 2452
MSS-WA67	1-1/2 x 10 x 14-1/2	1.05x.11 Seiko 0401805	MSS-WA91	4-1/2 x 10-3/8 x 14-3/16	Movado 431A,436,438
MSS-WA61	1-1/2 x 13 x 10-1/2	1.05x.08 Attached Bridle	MSS-WA13	4-1/2 x 12 x 9-1/4	Mido 917, 917P
MSS-WA39	1-1/2 x 14 x 9-1/4	Universal 25	MSS-WA15	4-1/2 x 13 x 8-3/4	A Schild 1250
MSS-WA62	2 x 8 x 17	LeCoultre 497	MSS-WA45	4-1/2 x 13 x 10	Tavannes 420
MSS-WA65	2 x 9-3/4 x 12-1/2	Font 65	MSS-WA92	4-1/2 x 13-1/2 x 11-1/8	Rolex 520, 530
MSS-WA60	2 x 11-1/2 x 12-1/4	Omega 28, 10, 330	MSS-WA50	4-1/2 x 14 x 8	Felsa 382
MSS-WA43	2-1/2 x 9-1/2 x 12-1/2	A Schild 1748	MSS-WA93	4-1/2 x 14-1/2 x 8-1/2	Movado 165
MSS-WA69	2-1/2 x 9-1/2 x 13-3/4	1.15x.12 Attached Bridle	MSS-WA19	5 x 11 x 13-1/2	PUW 54
*MSS-WA5	2-1/2 x 9-3/4 x 12-1/2	PUW 1260,1261	MSS-WA58	5 x 11 x 13-3/4	Movado 220,221,224
MSS-WA51	2-1/2 x 9-3/4 x 13-1/2	Movado 531	MSS-WA18	5 x 12-1/2 x 11	Longines 22A
MSS-WA6	2-1/2 x 12 x 9-1/2	Gruen 460	MSS-WA75	5 x 12-1/2 x 11	Rolex 520,530
MSS-WA64	2-1/2 x 2-1/2 x 10-1/2	LeCoultre 12A, 476, 481	MSS-WA26	5 x 14 x 7-1/2	ETA 2425,2428
MSS-WA88	2-1/2 x 14 x 9-1/2	Rolex 420	MSS-WA7	5 x 14 x 8-1/2	Mido 707
MSS-WA34	3 x 10-1/2 x 10-3/4	Durowe 562, 565	MSS-WA95	5-1/2 x 9 x 12-9/16	A Schild 1590
MSS-WA33	3 x 10-12 x 12-1/2	Rolex 1030	MSS-WA40	5-1/2 x 10 x 12-1/2	Felsa 415,690
MSS-WA32	3 x 10-1/2 x 13	A Schild 1580	MSS-WA41	5-1/2 x 10 x 13-3/4	Felsa 410
MSS-WA35	3 x 11 x 12	A Schild 1673,1674	MSS-WA49	5-1/2 x 10 x 14-3/4	ETA 2375
MSS-WA66	3 x 12 x 13	LeCoultre 812	MSS-WA44	5-1/2 x 10-1/2 x 13-1/2	A Schild 1712
MSS-WA29	3 x 13 x 14-3/8	Bettlach 1575	MSS-WA96	5-1/2 x 11 x 13-3/8	Parrenin 1901
MSS-WA27	3 x 16 x 8-3/4	Omega 455	MSS-WA14	5-1/2 x 11 x 10-1/2	A Schild 1336,1361
MSS-WA9	3-1/2 x 9-1/2 x 14-1/4	ETA 2520, 2521	MSS-WA12	5-1/2 x 12-1/2 x 9-1/2	A Schild 1320,1323
MSS-WA80	3-1/2 x 11 x 10-1/2	Tissot 28.1, 28-21	MSS-WA23	6 x 10-3/4 x 10-1/2	ETA 1256
MSS-WA85	2-1/2 x 12 x 13-1/4	IWC 85	MSS-WA25	6 x 11-1/2 x 10-3/4	A Schild 1302,1315
MSS-WA59	4 x 10 x 11-1/2	Kurth 28.45	MSS-WA17	6 x 14-1/2 x 8-1/2	A Schild 1477
MSS-WA86	4 x 11 x 11-3/4	Movado 115,116,118	*MSS-WA76	6-1/2 x 10-1/2 x 12-1/4	Rolex 720
MSS-WA8	4 x 11 x 13	Seiko Sportmatic	MSS-WA10	7 x 13-1/2 x 9	A Schild 1171,1173
MSS-WA87	4 x 12 x 9	Langendorf 1033	MSS-WA20	7-1/2 x 11 x 11-1/2	A Schild 1191,1192
MSS-WA48	4 x 13 x 8-1/4	ETA 2365	MSS-WA22	8-1/2 x 12 x 11	A Schild 1298
MSS-WA30	4 x 13 x 9	ETA 2250			

UNBREAKABLE MAINSPRINGS

SPECIAL ENDS

No.	Dennison	For	End
MSS-WZ525	0 x 12-1/2 x 11	Zenith 525	DB&H
MSS-W195	0-1/2 x 5 x 19-1/2	IWC 95	DB&H
MSS-W190	0-1/2 x 14 x 8-1/2	IWC 90, 92	DB&H
MSS-WC4	1-1/2x10-1/2x13-1/2	LeCoultre 11L0	DB&H
MSS-WL4	1-1/2 x 12 x 10	Longines 8L	TEE
MSS-W160	2 x 10 x 12-1/4	IWC 60	DB&H
MSS-W162	2 x 12 x 13	IWC 62	DB&H
MSS-W194	2 x 14 x 11	IWC 84, 94	DB&H
MSS-W176	2-1/2 x 9-3/4 x 11-1/2	IWC 76, 86	DB&H
MSS-WV94	2-1/2 x 10 x 15	LeCoultre 469 Time	DB&H
MSS-WZ88	2-1/2 x 13 x 12	Zenith 88	DB&H
MSS-W151	2-1/2 x 15-1/2 x 7-1/2	IWC 51	DB&H
MSS-WT10	3 x 6-3/4 x 22-1/4	Wittnauer 17T	TEE
MSS-WL11	3 x 11 x 13-1/2	Longines 23M	TEE
MSS-WL2	3 x 13-1/2 x 10-1/2	1.2 x .075	TEE
MSS-WL3	3 x 14 x 10	Longines 5L	TEE
MSS-WV100	3 x 15-1/2 x 11-1/2	Vulcain 406 1.20x.055	
MSS-357T	3-1/2 x 8 x 15-1/2	ExPark 40	Spec End
MSS-WT5	3-1/2x11-1/2x10-1/2	Wittnauer 9W	TEE
MSS-WT8	4 x 11 x 12-3/4	Wittnauer 10TN	TEE
MSS-WT1	4 x 14 x 7-1/2	Witt 5JH 1.30x.07	
MSS-WL1	4 x 5 x 7-1/2	Longines 4LL	TEE
MSS-4510KS	4-1/2 x 10 x 11-1/2	Kirowskie A-2000	DB&H
MSS-WL5	4-1/2 x 13 x 10	Longines 8LN	TEE
MSS-WC1	4-1/2 x 15 x 9	LeCoultre 90L	DB&H
MSS-W183	5 x 9-1/2 x 13	IWC 83	DB&H
MSS-WT3	5 x 11 x 14	Wittnauer 7TN	TEE
MSS-WT2	5 x 14 x 8-1/2	Wittnauer 5S	TEE
MSS-W188	5-1/2 x 9-3/4 x 14	IWC 88	DB&H
MS-WV98	5-1/2 x 10 x 20	Metric 1.45 x .11	
MSS-WT9	5-1/2 x 11 x 11-3/4	Wittnauer 11 ES	TEE
MSS-665Y	6 x 6-1/2 x 17	Omega 140	DB&H
MS-WV101	6 x 9-1/2 x 17	Metric 1.50 x .12	
MSS-W189	6 x 9-3/4 x 14	IWC 89	DB&H
MSS-WV402	6 x 10 x 18	Vulcain 402 w/Bridle	
MSS-WL7	6 x 11 x 15-1/2	Longines 9LT	TEE
MSS-WT7	6 x 11-1/2 x 13	Wittnauer 10T	TEE
MSS-WL12	6 x 11-1/2 x 14	Longines 23Z	TEE
MSS-WT4	6 x 13 x 11	Wittnauer 87	TEE
MSS-L100	6 x 15 x 7	Lip 100	DB&H
MSS-WZ124	6-1/2 x 10-1/2 x 14	Zenith 12.4	DB&H
MSS-WT6	7 x 11 x 11-1/2	Wittnauer 10E	
MSS-WL6	7 x 11-1/2 x 14	Longines 9L	TEE
MS-WV96	8 x 9 x 15	Metric 1.70 x .13	
MSS-WL9	8-1/2 x 9-3/4 x 15	Longines 12L	TEE
MS-WV97	9-1/2 x 13-1/2 x 12-1/2	Metric 1.85 x .075	
MSS-WV95	11 x 14 x 15	LeCoultre 459 Alarm	DB&H
MS-WV99	11 x 14 x 17-1/2	2.00 x .07	
MSS-L135	13 x 6 x 22-1/2	Lip R40	DB&H
MSS-WZ193	18-1/2 x 4 x 21-1/4	Zenith 183	DB&H



UNBREAKABLE MAINSPRINGS

No.	Dennison	Metric
MS-4011C	0000 x 11 x 8-1/2	.58 x .10
MS-011H	0 X 11 x 10-1/2	.90 x .10
MS-0595K	0-1/2 x 9-3/4 x 11-1/2	.95 x .115
MS-110H	1 x 10 x 10-1/2	1.00 x .11
MS-110P	1 x 10 x 13-1/2	1.00 x .11
MS-112R	1 x 12 x 14	1.00 x .09
MS-159R	1-1/2 x 9 x 14-1/4	1.05 x .13
MS-15105P	1-1/2 x 10-1/2 x 13-1/2	1.05 x 1.0
MS-1513H	1-1/2 x 13 x 10-1/2	1.05 x .08
MS-15135	1-1/2 x 13-1/2 x 6-1/2	1.05 x .075
MS-24V	2 x 4 x 16	1.10 x .19
MS-28P	2 x 8 x 13-1/2	1.10 x .14
MS-295P	2 x 9-1/2 x 13	1.10 x .12
MS-210E	2 x 10 x 9-1/2	1.10 x .11
MS-210H	2 x 10 x 10-1/2	1.10 x .11
MS-211E	2 x 11 x 9-1/2	1.10 x .10
MS-211H	2 x 11 x 10-1/2	1.10 x .10
MS-211K	2 x 11 x 11-1/2	1.10 x .10
MS-211M	2 x 11 x 12-1/2	1.10 x .10
MS-212A	2 x 12 x 7-1/2	1.10 x .09
MS-212E	2 x 12 x 9-1/2	1.10 x .09
MS-213W	2 x 13 x 8-1/2	1.10 x .08
MS-213A	2 x 13 x 7-1/2	1.10 x .08
MS-213C	2 x 13 x 8-1/2	1.10 x .08
MS-213E	2 x 13 x 9-1/2	1.10 x .08
MS-214W	2 x 14 x 8-1/2	1.10 x .07
MS-214A	2 x 14 x 7-1/2	1.10 x .07
MS-214C	2 x 14 x 8-1/2	1.10 x .07
MS-258X	2-1/2 x 8 x 18	1.15 x .14
MS-2595P	2-1/2 x 9-1/2 x 13-1/2	1.15 x .12
MS-2510E	2-1/2 x 10 x 9-1/2	1.15 x .11
MS-2510F	2-1 2 x 10 x 10	1.15 x .11
MS-2510H	2-1/2 x 10 x 10-1/2	1.15 x .11
MS-2510P	2-1/2 x 10 x 13-1/2	1.15 x .11
MS-25105T	2-1/2 x 10-1/2 x 15-1/2	1.15 x .115
MS-2511E	2-1/2 x 11 x 9-1/2	1.15 x .10
MS-2512F	2-1/2 x 12 x 10	1.15 x .09
MS-2514C	2-1/2 x 14 x 8-1/2	1.15 x .07
MS-34Y	3 x 4 x 17	1.20 x .19
MS-365Z	3 x 8-1/2 x 22	1.20 x .18
MS-38T	3 x 8 x 15-1/2	1.20 x .14
MS-38Z	3 x 8 x 23-1/2	1.20 x .14
MS-39M	3 x 9 x 12	1.20 x .13
MS-310E	3 x 10 x 9-1/2	1.20 x .11
MS-310H	3 x 10 x 13-1/2	1.20 x .11
MS-310K	3 x 10 x 11-1/2	1.20 x .11
MS-3105M	3 x 10-1/2 x 12-1/2	1.23 x .105
MS-311C	3 x 11 x 8-1/2	1.20 x .10

No.	Dennison	Metric
MS-311E	3 x 11 x 9-1/2	1.23 x .10
*MS-311H	3 x 11 x 13-1/2	1.23 x .10
MS-311K	3 x 11 x 11-1/2	1.23 x .10
MS-311N	3 x 11 x 13	1.23 x .10
MS-312A	3 x 12 x 7-1/2	1.20 x .09
MS-312B	3 x 12 x 8	1.23 x .09
MS-312C	3 x 12 x 8-1/2	1.20 x .09
MS-312E	3 x 12 x 9-1/2	1.20 x .09
MS-312H	3 x 12 x 10-1/2	1.20 x .09
MS-313A	3 x 13 x 7-1/2	1.20 x .08
MS-313B	3 x 13 x 8	1.20 x .08
MS-313C	3 x 13 x 8-1/2	1.20 x .08
MS-313E	3 x 13 x 9-1/2	1.20 x .08
MS-313H	3 x 13 x 10-1/2	1.20 x .08
MS-314W	3 x 14 x 6-1/2	1.20 x .07
MS-314AA	3 x 14 x 7	1.20 x .07
MS-314A	3 x 14 x 7-1/2	1.20 x .07
MS-314C	3 x 14 x 6-1/2	1.20 x .07
MS-314E	3 x 14 x 9-1/2	1.20 x .07
MS-315E	3 x 15 x 9-1/2	1.20 x .06
MS-WV133	3 x 15-1/2 x 11-1/2	1.20 x .055
MS-357T	3-1/2 x 8 x 15-1/2	1.25 x .14 <small>special end</small>
MS-359Z	3-1/2 x 9 x 19-1/2	1.25 x .13
MS-3595K	3-1/2 x 9-1/2 x 11-1/2	1.25 x .12
MS-3595R	3-1/2 x 9-1/2 x 13	1.25 x .12
MS-3510E	3-1/2 x 10 x 9-1/2	1.25 x .11
MS-3510J	3-1/2 x 10 x 11	1.25 x .11
MS-3510T	3-1/2 x 10 x 15-1/2	1.25 x .11
MS-3511E	3-1/2 x 11 x 9-1/2	1.25 x .10
MS-3511H	3-1/2 x 11 x 13-1/2	1.25 x .10
MS-3511R	3-1/2 x 11 x 14	1.25 x .10
MS-3512E	3-1/2 x 12 x 9-1/2	1.25 x .09
MS-3512R	3-1/2 x 12 x 18-1/2	1.25 x .09
MS-3513C	3-1/2 x 13 x 8-1/2	1.25 x .08
MS-3513E	3-1/2 x 13 x 9-1/2	1.25 x .08
MS-35133	3-1/2 x 13 x 11	1.25 x .11
*MS-3513T	3-1/2 x 13 x 15-1/2	1.25 x .11
MS-3514E	3-1/2 x 14 x 9-1/2	1.25 x .07
MS-3515A	3-1/2 x 15 x 7-3/4	1.25 x .06
MS-46X	4 x 8 x 16-3/4	1.30 x .17
MS-47X	4 X 7 x 16-1/2	1.30 x .15
MS-48T	4 x 8 x 15	1.30 x .14
MS-485Z	4 x 8-1/2 x 23	1.30 x .135
MS-419P	4 x 9 x 13-1/2	1.30 x .13
MS-49T	4 x 9 x 15-1/4	1.30 x .13
MS-494K	4 x 9-1/2 x 11-1/2	1.30 x .12
MS-494P	4 x 9-1/2 x 13-3/4	1.30 x .125

UNBREAKABLE MAINSPRINGS

No.	Dennison	Metric
MS-410E	4 x 10 x 9-1/2	1.30 x .11
MS-410H	4 x 10 x 10-1/2	1.30 x .11
MS-410K	4 x 10 x 11-1/2	1.30 x .11
MS-410M	4 x 10 x 12-1/2	1.30 x .11
MS-4105P	4 x 10-1/2 x 13-1/2	1.30 x .105
MS-411C	4 x 11 x 8-1/2	1.30 x .10
MS-411E	4 x 11 x 9-1/2	1.30 x .10
MS-411H	4 x 11 x 13-1/2	1.30 x .10
MS-411K	4 x 11 x 11-1/2	1.30 x .10
MS-411M	4 x 11 x 12-1/2	1.30 x .10
MS-411P	4 x 11 x 13-1/2	1.30 x .10
MS-412C	4 x 12 x 8-1/2	1.30 x .09
MS-412E	4 x 12 x 9-1/2	1.30 x .09
MS-412H	4 x 12 x 10-1/2	1.30 x .09
MS-412K	4 x 12 x 11-1/2	1.30 x .09
MS-413A	4 x 13 x 7-1/2	1.30 x .08
MS-413C	4 x 13 x 8-1/2	1.30 x .08
MS-413E	4 x 13 x 9-1/2	1.30 x .08
MS-413H	4 x 13 x 10-1/2	1.30 x .08
MS-413K	4 x 13 x 11-1/2	1.30 x .11
MS-413M	4 x 13 x 12	1.30 x .08
MS-414A	4 x 14 x 7-1Y	1.30 x .07
MS-414C	4 x 14 x 9-1 2	1.30 x .07
MS-414E	4 x 14 x 9-1 Y	1.30 x .07
MS-414H	4 x 14 x 10-1/2	1.20 x .07
MS-415A	4 x 15 x 7	1.30 x .06
MS-415C	4 x 15 x 8-1/2	1.30 x .06
MS-4565T	4-1/2 x 6-1/2 x 15	1.35 x .16
MS-4575V	4-1/2 x 7-1/2 x 16	1.35 x .145
MS-458R	4-1/2 x 6 x 14-1/2	1.35 x .14
MS-459S	4-1/2 x 9-1/2 x 12-3/4	1.35 x .12
MS-4595P	4-1/2 x 9-3/4 x 13-1/2	1.35 x .12
MS-4513AA	4-1/2 x 13 x 7	1.35 x .08
MS-4513C	4-1/2 x 13 x 8-1/2	1.35 x .08
MS-4513D	4-1/2 x 13 x 9	1.35 x .08
MS-4513E	4-1/2 x 13 x 9-1/2	1.35 x .08
MS-4513F	4-1/2 x 13 x 10	1.35 x .08
MS-4513G	4-1/2 x 13 x 10-1/4	1.35 x .08
MS-4513H	4-1/2 x 13 x 10-1/2	1.35 x .08
MS-4514C	4-1/2 x 14 x 8-1/2	1.35 x .07
MS-4514H	4-1/2 x 14 x 10-1/2	1.35 x .07
MS-4514K	4-1/2 x 14 x 11-1/2	1.35 x .07
MS-45135AA	4-1/2 x 14-1/2 x 7	1.35 x .065
MS-4515W	4-1/2 x 15 x 5-1/4	1.35 x .06
MS-54V	5 x 4 x 16-1/2	1.40 x .19
MS-55R	5 x 5 x 18-1/2	1.40 x .18
MS-565X	5 x 6-1/2 x 19	1.40 x .16
MS-57R	5 x 7 x 18-1/2	1.40 x .15

No.	Dennison	Metric
MS-58Z	5 x 8 x 22	1.40 x .14
MS-595M	5 x 9-1/2 x 12-1/2	1.40 x .12
MS-510E	5 x 10 x 9-1/2	1.40 x .11
MS-510K	5 x 10 x 11-1/2	1.40 x .11
MS-510M	5 x 10 x 12-1/2	1.40 x .11
MS-510P	5 x 10 x 13-1/2	1.40 x .11
MS-511E	5 x 11 x 9-1/2	1.40 x .10
MS-511H	5 x 11 x 10-1/2	1.40 x .10
MS-511K	5 x 11 x 11-1/2	1.40 x .10
MS-511M	5 x 11 x 12-1/2	1.40 x .10
MS-511P	5 x 11 x 13-1/2	1.40 x .10
MS-512C	5 x 12 x 8-1/2	1.40 x .09
MS-512E	5 x 12 x 9-1/2	1.40 x .09
MS-512H	5 x 12 x 10-1/2	1.40 x .09
MS-512K	5 x 12 x 11-1/2	1.40 x .09
MS-512M	5 x 12 x 12-1/2	1.40 x .09
MS-512P	5 x 12 x 13-1/2	1.40 x .09
MS-512S	5 x 12 x 14-1/2	1.40 x .09
MS-513C	5 x 13 x 8-1/2	1.40 x .08
MS-513E	5 x 13 x 9-1/2	1.40 x .08
MS-513H	5 x 13 x 10-1/2	1.40 x .08
MS-514A	5 x 14 x 7-1/2	1.40 x .07
MS-514C	5 x 14 x 8-1/2	1.40 x .07
MS-514E	5 x 14 x 9-1/2	1.40 x .07
MS-514K	5 x 14 x 11-1/2	1.40 x .07
MS-515A	5 x 15 x 7-1/4	1.40 x .06
*MS-515C	5 x 15 x 8-1/2	1.40 x .06
MS-5535R	5-1/2 x 3-1/2 x 14-1/2	1.45 x .20
MS-5595M	5-1/2 x 9-1/2 x 12-1/2	1.45 x .12
MS-5510X	5-1/2 x 10 x 19	1.45 x .11
MS-55105R	5-1/2 x 10-1/2 x 14-1/2	1.45 x .10
MS-5512E	5-1/2 x 12 x 9-1/2	1.45 x .09
MS-5516W	5-1/2 x 16 x 6-1/2	1.45 x .05
MS-65R	6 x 5 x 18-1/2	1.50 x .18
MS-65V	6 x 6 x 16	1.50 x .17
MS-665Y	6 x 6-1/2 x 17	1.50 x .16
MS-67P	6 x 7 x 13-1/2	1.50 x .15
MS-68N	6 x 8 x 13	1.50 x .14
MS-68V	6 x 8 x 16	1.50 x .14
MS-69M	6 x 9 x 12	1.50 x .13
MS-69P	6 x 9 x 13-1/2	1.50 x .13
MS-695H	6 x 9-1/2 x 10-1/2	1.50 x .12
MS-695M	6 x 9-1/2 x 12-1/2	1.50 x .12
MS-610E	6 x 10 x 9-1/2	1.50 x .11
MS-610H	6 x 10 x 10-1/2	1.50 x .11
MS-610K	6 x 10 x 11-1/2	1.50 x .11
MS-610M	6 x 10 x 12-1/2	1.50 x .11
MS-610P	6 x 10 x 13-1/2	1.50 x .11

UNBREAKABLE MAINSPRINGS

No.	Dennison	Metric
MS-611E	6 x 11 x 9-1/2	1.50 x .10
MS-611H	6 x 11 x 10-1/2	1.50 x .10
MS-611K	6 x 11 x 11-1/2	1.50 x .10
MS-611M	6 x 11 x 12-1/2	1.50 x .10
MS-611P	6 x 11 x 13-1/2	1.50 x .10
MS-612C	6 x 12 x 8-1/2	1.50 x .09
MS-612E	6 x 12 x 9-1/2	1.50 x .09
MS-612H	6 x 12 x 10-1/2	1.50 x .09
MS-612K	6 x 12 x 11-1/2	1.50 x .09
MS-612M	6 x 12 x 12-1/2	1.50 x .09
MS-612P	6 x 12 x 13-1/2	1.50 x .09
MS-613C	6 x 13 x 8-1/2	1.50 x .08
MS-613E	6 x 13 x 9-1/2	1.50 x .08
MS-613H	6 x 13 x 10-1/2	1.50 x .08
MS-613K	6 x 13 x 11-1/2	1.50 x .08
MS-614A	6 x 14 x 7-1/2	1.50 x .07
MS-614E	6 x 14 x 9-1/2	1.50 x .07
MS-614H	6 x 14 x 10-1/2	1.50 x .07
MS-615A	6 x 15 x 7-1/2	1.50 x .06
MS-615C	6 x 15 x 8-1/2	1.50 x .06
MS-615E	6 x 15 x 9-1/2	1.50 x .06
MS-6511J	6-1/2 x 11 x 11	1.55 x .10
MS-6511S	6-1/2 x 11 x 14-1/8	1.55 x .10
MS-65115	6-1/2 x 11-1/2 x 12-1/4	1.55 x .095
MS-6513J	6-1/2 x 13 x 11	1.55 x .09
MS-6514C	6-1/2 x 14 x 8-1/2	1.55 x .07
MS-6514F	6-1/2 x 14 x 10	1.55 x .07
MS-75R	7 x 5 x 18-1/2	1.60 x .18
MS-77V	7 x 7 x 16-1/2	1.60 x .15
MS-77Z	7 x 7 x 25-1/2	1.60 x .15
MS-78P	7 x 8 x 13-1/2	1.60 x .14
MS-785V	7 x 8-1/2 x 16-3/4	1.60 x .135
MS-79Y	7 x 9 x 17	1.60 x .13
MS-710H	7 x 10 x 10-1/2	1.60 x .11
MS-710K	7 x 10 x 11-1/2	1.60 x .11
MS-710M	7 x 10 x 12-1/2	1.60 x .11
MS-710P	7 x 10 x 13-1/2	1.60 x .11
MS-7105J	7 x 10-1/2 x 11	1.60 x .105
MS-711E	7 x 11 x 9-1/2	1.60 x .10
MS-711H	7 x 11 x 10-1/2	1.60 x .10
MS-711K	7 x 11 x 11-1/2	1.60 x .10
MS-711M	7 x 11 x 12-1/2	1.60 x .10
MS-711P	7 x 11 x 13-1/2	1.60 x .10
MS-712C	7 x 12 x 8-1/2	1.60 x .09
MS-712E	7 x 12 x 9-1/2	1.60 x .09
MS-712H	7 x 12 x 10-1 2	1.60 x .09
MS-712K	7 x 12 x 11-1/2	1.60 x .09
MS-712M	7 x 12 x 12-1/2	1.60 x .09

No.	Dennison	Metric
MS-713C	7 x 13 x 8-1/2	1.60 x .08
MS-713D	7 x 13 x 9	1.60 x .08
MS-713E	7 x 13 x 9-1/2	1.60 x .08
MS-713H	7 x 13 x 10-1/2	1.60 x .08
MS-713L	7 x 13 x 12	1.60 x .08
MS-714C	7 x 14 x 8-1/2	1.60 x .07
MS-714E	7 x 14 x 9-1/2	1.60 x .07
MS-714H	7 x 14 x 10-1/2	1.60 x .07
MS-715E	7 x 15 x 9-1/2	1.60 x .06
MS-715H	7 x 15 x 10-1/2	1.60 x .06
MS-759Z	7-1/2 x 9 x 28-1/2	1.65 x .13
MS-83T	8 x 3 x 15-1/2	1.70 x .21
MS-835V	8 x 3-1/2 x 16-1/4	1.70 x .20
MS-84S	8 x 4 x 14-1/2	1.70 x .19
MS-810H	8 x 10 x 10-1/2	1.70 x .11
MS-810N	8 x 10 x 13	1.70 x .11
MS-811K	8 x 11 x 11-1/2	1.70 x .10
MS-811M	6 x 11 x 12-1/2	1.70 x .10
MS-811P	8 x 11 x 13-1/2	1.70 x .10
MS-812H	8 x 12 x 10-1/2	1.70 x .09
MS-812K	8 x 12 x 11-1/2	1.70 x .09
MS-812Z	6 x 12 x 28-1/2	1.70 x .09
MS-8512F	8-1/2 x 12 x 9-3/8	1.75 x .09
MS-92R	9 x 2 x 8	1.80 x .22
MS-95X	9 x 5 x 19-1/2	1.80 x .18
MS-910K	9 x 10 x 11-1/2	1.80 x .11
MS-910N	9 x 10 x 13-3/4	1.80 x .11
MS-911K	9 x 11 x 11-1/2	1.80 x .10
MS-911M	9 x 11 x 12-1/2	1.80 x .10
MS-911P	9 x 11 x 13-1/2	1.80 x .10
MS-912M	9 x 12 x 12-1/2	1.90 x .09
MS-9511H	9-1/2 x 11 x 10-1/2	1.85 x .10
MS-915C	9 x 15 x 8-1/2	1.90 x .06
MS-103X	10 x 3 x 19-1 2	1.90 x .21
MS-104X	10 x 4 x 19-1 2	1.90 x .19
MS-104Z	10 x 4 x 22	1.90 x .19
MS-105U	10 x 5 x 21	1.90 x .18
MS-1012L	10 x 12 x 12	1.90 x .09
MS-113Z	11 x 3 x 21-1/2	2.00 x .21
MS-122R	12 x 2 x 8-1/2	2.10 x .22
MS-126X	12 x 6 x 19-1/2	2.10 x .17
MS-1111L	12 x 11 x 12	2.10 x .10
MS-136Z	13 x 6 x 23	2.20 x .17
MS-143X	14 x 3 x 19-1/2	2.30 x .21
MS-164Z	16 x 4 x 20	2.50 x .19
MS-165Z	16 x 5 x 20	2.50 x .18
MS-202R	20 x 8 x 18-3 4	2.90 x .22