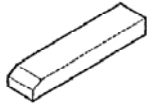
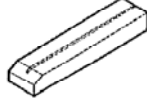

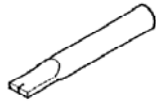
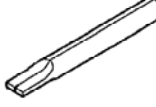
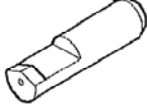




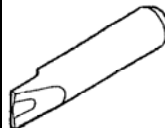
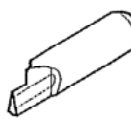
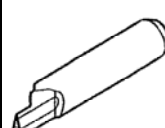
MEC FL-16 & FL-16II Tooling (Updated July 2003)

Item	OCA ID #	Tool number	Tool Name	Description / Size	Tool Sketch
Prices subject to change without notice - shipping not included					
Custom wire size and full carbide tools can be made to order					
1		16X551-F	INLET GUIDE	FLAT	
2		16X551-08	INLET GUIDE	Wire dia. up to 0.80mm	
3		16X551-12	INLET GUIDE	Wire dia. up to 1.20mm	
4		16X551-18	INLET GUIDE	Wire dia. up to 1.80mm	
5		16X559-0555	FEED ROLLER - 2 Grooves	0.50 & 0.55mm	
6		16X559-0665	FEED ROLLER - 2 Grooves	0.60 & 0.65mm	
7		16X559-0708	FEED ROLLER - 2 Grooves	0.70 & 0.80mm	
8		16X559-0910	FEED ROLLER - 2 Grooves	0.90 & 1.00mm	
9		16X559-1112	FEED ROLLER - 2 Grooves	1.10 & 1.20mm	
10		16X559-1314	FEED ROLLER - 2 Grooves	1.30 & 1.40mm	
11		16X559-1516	FEED ROLLER - 2 Grooves	1.50 & 1.60mm	
12		16X552-050	QUILL LINER	0.50mm	
13		16X552-055	QUILL LINER	0.55mm	
14		16X552-060	QUILL LINER	0.60mm	
15		16X552-065	QUILL LINER	0.65mm	
16		16X552-070	QUILL LINER	0.70mm	
17		16X552-080	QUILL LINER	0.80mm	
18		16X552-090	QUILL LINER	0.90mm	
19		16X552-100	QUILL LINER	1.00mm	
20		16X552-110	QUILL LINER	1.10mm	
21		16X552-120	QUILL LINER	1.20mm	
22		16X552-130	QUILL LINER	1.30mm	
23		16X552-140	QUILL LINER	1.40mm	
24		16X552-150	QUILL LINER	1.50mm	
25		16X552-160	QUILL LINER	1.60mm	
26		16X552-L050	QUILL LINER LONG	0.50mm	
27		16X552-L055	QUILL LINER LONG	0.55mm	
28		16X552-L060	QUILL LINER LONG	0.60mm	
29		16X552-L065	QUILL LINER LONG	0.65mm	
30		16X552-L070	QUILL LINER LONG	0.70mm	
31		16X552-L080	QUILL LINER LONG	0.80mm	
32		16X552-L090	QUILL LINER LONG	0.90mm	
33		16X552-L100	QUILL LINER LONG	1.00mm	
34		16X552-L110	QUILL LINER LONG	1.10mm	
35		16X552-L120	QUILL LINER LONG	1.20mm	
36		16X552-L130	QUILL LINER LONG	1.30mm	
37		16X552-L140	QUILL LINER LONG	1.40mm	
38		16X552-L150	QUILL LINER LONG	1.50mm	
39		16X552-L160	QUILL LINER LONG	1.60mm	

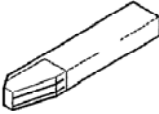
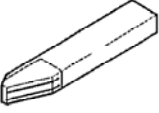

MEC FL-16 & FL-16II Tooling (Updated July 2003)

Item	OCA ID #	Tool number	Tool Name	Description / Size	Tool Sketch
Prices subject to change without notice - shipping not included					
40		16X553-T050	T QUILL	0.50mm	
41		16X553-T055	T QUILL	0.55mm	
42		16X553-T060	T QUILL	0.60mm	
43		16X553-T065	T QUILL	0.65mm	
44		16X553-T070	T QUILL	0.70mm	
45		16X553-T080	T QUILL	0.80mm	
46		16X553-T090	T QUILL	0.90mm	
47		16X553-T100	T QUILL	1.00mm	
48		16X553-T110	T QUILL	1.10mm	
49		16X553-T120	T QUILL	1.20mm	
50		16X553-T130	T QUILL	1.30mm	
51		16X553-T140	T QUILL	1.40mm	
52		16X553-T150	T QUILL	1.50mm	
53		16X553-T160	T QUILL	1.60mm	
54		16X553-LT050	T QUILL LONG	0.50mm	
55		16X553-LT055	T QUILL LONG	0.55mm	
56		16X553-LT060	T QUILL LONG	0.60mm	
57		16X553-LT065	T QUILL LONG	0.65mm	
58		16X553-LT070	T QUILL LONG	0.70mm	
59		16X553-LT080	T QUILL LONG	0.80mm	
60		16X553-LT090	T QUILL LONG	0.90mm	
61		16X553-LT100	T QUILL LONG	1.00mm	
62		16X553-LT110	T QUILL LONG	1.10mm	
63		16X553-LT120	T QUILL LONG	1.20mm	
64		16X553-LT130	T QUILL LONG	1.30mm	
65		16X553-LT140	T QUILL LONG	1.40mm	
66		16X553-LT150	T QUILL LONG	1.50mm	
67		16X553-LT160	T QUILL LONG	1.60mm	
68		16X553-E050	E QUILL	0.50mm	
69		16X553-E055	E QUILL	0.55mm	
70		16X553-E060	E QUILL	0.60mm	
71		16X553-E065	E QUILL	0.65mm	
72		16X553-E070	E QUILL	0.70mm	
73		16X553-E080	E QUILL	0.80mm	
74		16X553-E090	E QUILL	0.90mm	
75		16X553-E100	E QUILL	1.00mm	
76		16X553-E110	E QUILL	1.10mm	
77		16X553-E120	E QUILL	1.20mm	
78		16X553-E130	E QUILL	1.30mm	
79		16X553-E140	E QUILL	1.40mm	
80		16X553-E150	E QUILL	1.50mm	
81		16X553-E160	E QUILL	1.60mm	

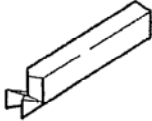
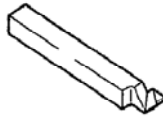
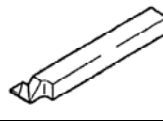
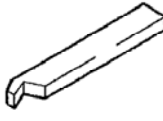
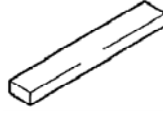
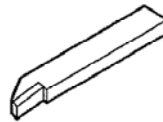
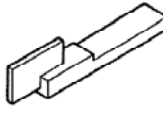
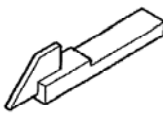
MEC FL-16 & FL-16II Tooling (Updated July 2003)

Item	OCA ID #	Tool number	Tool Name	Description / Size	Tool Sketch	
Prices subject to change without notice - shipping not included						
82		16X553-LE050	E QUILL LONG	0.50mm		
83		16X553-LE055	E QUILL LONG	0.55mm		
84		16X553-LE060	E QUILL LONG	0.60mm		
85		16X553-LE065	E QUILL LONG	0.65mm		
86		16X553-LE070	E QUILL LONG	0.70mm		
87		16X553-LE080	E QUILL LONG	0.80mm		
88		16X553-LE090	E QUILL LONG	0.90mm		
89		16X553-LE100	E QUILL LONG	1.00mm		
90		16X553-LE110	E QUILL LONG	1.10mm		
91		16X553-LE120	E QUILL LONG	1.20mm		
92		16X553-LE130	E QUILL LONG	1.30mm		
93		16X553-LE140	E QUILL LONG	1.40mm		
94		16X553-LE150	E QUILL LONG	1.50mm		
95		16X553-LE160	E QUILL LONG	1.60mm		Length = 122mm
96		16X553-W055	W QUILL	0.55mm		
97		16X553-W060	W QUILL	0.60mm		
98		16X553-W065	W QUILL	0.65mm		
99		16X553-W070	W QUILL	0.70mm		
100		16X553-W080	W QUILL	0.80mm		
101		16X553-W090	W QUILL	0.90mm		
102		16X553-W100	W QUILL	1.00mm		
103		16X553-W110	W QUILL	1.10mm		
104		16X553-W120	W QUILL	1.20mm		
105		16X553-W130	W QUILL	1.30mm		
106		16X553-W140	W QUILL	1.40mm		
107		16X553-W150	W QUILL	1.50mm		
108		16X553-W160	W QUILL	1.60mm	Length = 102mm	
109		16X553-LW050	W QUILL LONG	0.50mm		
110		16X553-LW055	W QUILL LONG	0.55mm		
111		16X553-LW060	W QUILL LONG	0.60mm		
112		16X553-LW065	W QUILL LONG	0.65mm		
113		16X553-LW070	W QUILL LONG	0.70mm		
114		16X553-LW080	W QUILL LONG	0.80mm		
115		16X553-LW090	W QUILL LONG	0.90mm		
116		16X553-LW100	W QUILL LONG	1.00mm		
117		16X553-LW110	W QUILL LONG	1.10mm		
118		16X553-LW120	W QUILL LONG	1.20mm		
119		16X553-LW130	W QUILL LONG	1.30mm		
120		16X553-LW140	W QUILL LONG	1.40mm		
121		16X553-LW150	W QUILL LONG	1.50mm		
122		16X553-LW160	W QUILL LONG	1.60mm		Length = 122mm




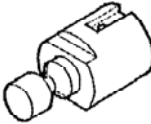
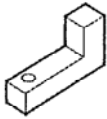

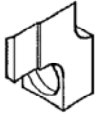
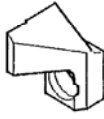
MEC FL-16 & FL-16II Tooling (Updated July 2003)

Item	OCA ID #	Tool number	Tool Name	Description / Size	Tool Sketch	
Prices subject to change without notice - shipping not included						
123		16X560-050	BODY POINT 15°	0.50mm		
124		16X560-055	BODY POINT 15°	0.55mm		
125		16X560-060	BODY POINT 15°	0.60mm		
126		16X560-065	BODY POINT 15°	0.65mm		
127		16X560-070	BODY POINT 15°	0.70mm		
128		16X560-080	BODY POINT 15°	0.80mm		
129		16X560-090	BODY POINT 15°	0.90mm		
130		16X560-100	BODY POINT 15°	1.00mm		
131		16X560-110	BODY POINT 15°	1.10mm		
132		16X560-120	BODY POINT 15°	1.20mm		
133		16X560-130	BODY POINT 15°	1.30mm		
134		16X560-140	BODY POINT 15°	1.40mm		
135		16X560-150	BODY POINT 15°	1.50mm		
136		16X560-160	BODY POINT 15°	1.60mm		
137		16X561-050	BODY POINT 25°	0.50mm		
138		16X561-055	BODY POINT 25°	0.55mm		
139		16X561-060	BODY POINT 25°	0.60mm		
140		16X561-065	BODY POINT 25°	0.65mm		
141		16X561-070	BODY POINT 25°	0.70mm		
142		16X561-080	BODY POINT 25°	0.80mm		
143		16X561-090	BODY POINT 25°	0.90mm		
144		16X561-100	BODY POINT 25°	1.00mm		
145		16X561-110	BODY POINT 25°	1.10mm		
146		16X561-120	BODY POINT 25°	1.20mm		
147		16X561-130	BODY POINT 25°	1.30mm		
148		16X561-140	BODY POINT 25°	1.40mm		
149		16X561-150	BODY POINT 25°	1.50mm		
150		16X561-160	BODY POINT 25°	1.60mm		
151		16X558-050	BENDING TOOL FOR E UNIT	0.50mm		
152		16X558-055	BENDING TOOL FOR E UNIT	0.55mm		
153		16X558-060	BENDING TOOL FOR E UNIT	0.60mm		
154		16X558-065	BENDING TOOL FOR E UNIT	0.65mm		
155		16X558-070	BENDING TOOL FOR E UNIT	0.70mm		
156		16X558-080	BENDING TOOL FOR E UNIT	0.80mm		
157		16X558-090	BENDING TOOL FOR E UNIT	0.90mm		
158		16X558-100	BENDING TOOL FOR E UNIT	1.00mm		
159		16X558-110	BENDING TOOL FOR E UNIT	1.10mm		
160		16X558-120	BENDING TOOL FOR E UNIT	1.20mm		
161		16X558-130	BENDING TOOL FOR E UNIT	1.30mm		
162		16X558-140	BENDING TOOL FOR E UNIT	1.40mm		
163		16X558-150	BENDING TOOL FOR E UNIT	1.50mm		
164		16X558-160	BENDING TOOL FOR E UNIT	1.60mm		

MEC FL-16 & FL-16II Tooling (Updated July 2003)

Item	OCA ID #	Tool number	Tool Name	Description / Size	Tool Sketch
Prices subject to change without notice - shipping not included					
165		16X568-45	ASSIST TOOL 45°	Use for wire dia. between 0.50 to 1.60mm	
166		16X568-R45	ASSIST TOOL RIGHT 45°	Use for wire dia. between 0.50 to 1.60mm	
167		16X568-L45	ASSIST TOOL LEFT 45°	Use for wire dia. between 0.50 to 1.60mm	
168		16X555-B	BENDING TOOL B	Use for wire dia. between 0.50 to 1.60mm	
169		16X564	BLANK TOOL	Harden this tool after grinding/shaping	
170		16X557	CUTTING TOOL	Use for wire dia. between 0.50 to 1.60mm	
171		25X755-0	PITCH TOOL 0°	Use for wire dia. between 0.50 to 2.00mm	
172		25X755-45	PITCH TOOL 45°	Use for wire dia. between 0.50 to 2.00mm	

MEC FL-16 & FL-16II Tooling (Updated July 2003)

Item	OCA ID #	Tool number	Tool Name	Description / Size	Tool Sketch
Prices subject to change without notice - shipping not included					
Items 173~175 use with R servo					
173		16X569-B	U BENDING ARBOR B	Use with R servo	
174		16X569-D	U BENDING ARBOR D	Use with R servo	
175		15X519-C	U BENDING ARBOR C	Use with R servo Length = 140mm	
Items 176~186 use with tooling unit R					
176		16X569	U BENDING ARBOR	Use with Tooling Unit R	
177		16X570	U BENDING GUIDE	Use with Tooling Unit R	
178		16X571	L BENDING TOOL FOR TOOLING UNIT R	Use with Tooling Unit R	
Items 179~186, use the left and right L Bending Guides together					
179		16X572-L09	L BENDING GUIDE (LEFT)	0.90mm - Use left and right together to make this groove size	
180		16X572-L12	L BENDING GUIDE (LEFT)	1.20mm - Use left and right together to make this groove size	
181		16X572-L15	L BENDING GUIDE (LEFT)	1.50mm - Use left and right together to make this groove size	
182		16X572-L18	L BENDING GUIDE (LEFT)	1.80mm - Use left and right together to make this groove size	
183		16X572-R09	L BENDING GUIDE (RIGHT)	0.90mm - Use left and right together to make this groove size	
184		16X572-R12	L BENDING GUIDE (RIGHT)	1.20mm - Use left and right together to make this groove size	
185		16X572-R15	L BENDING GUIDE (RIGHT)	1.50mm - Use left and right together to make this groove size	
186		16X572-R18	L BENDING GUIDE (RIGHT)	1.80mm - Use left and right together to make this groove size	