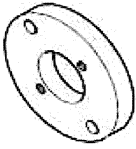
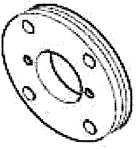
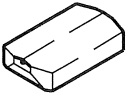
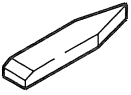
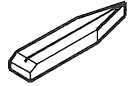




TOOLS



STANDARD TOOLS


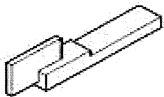
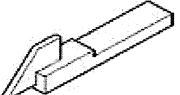
* MADE-TO-ORDER

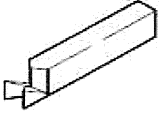
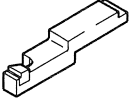
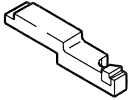
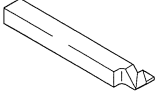
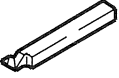
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
FEED ROLLER FLAT 	0.50 (φ89.5)	Y16X559-F050	Suitable for w.d. 0.50~0.65
	0.60 (φ89..4)	Y16X559-F060	* Suitable for w.d. 0.70~0.80
	0.90 (φ89.0)	Y16X559-F890	* Suitable for w.d. 0.90~1.00
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
FEED ROLLER 	0.50/0.55	Y16X559-0555	DOUBLE-GROOVED
	0.60/0.65	Y16X559-0665	
	0.70/0.80	Y16X559-0708	
	0.90/1.00	Y16X559-0910	
	1.10/1.20	Y16X559-1112	
	1.30/1.40	Y16X559-1314	
	1.50/1.60	Y16X559-1516	
	1.80/2.00	Y16X559-1820	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
SQUARE SHAPED QUILL 	0.50	25X751-050	
	0.55	25X751-055	
	0.60	25X751-060	
	0.65	25X751-065	
	0.70	25X751-070	
	0.80	25X751-080	
	0.90	25X751-090	
	1.00	25X751-100	
	1.10	25X751-110	
	1.20	25X751-120	
	1.30	25X751-130	
	1.40	25X751-140	
	1.50	25X751-150	
	1.60	25X751-160	
	1.70	25X751-170	*
	1.80	25X751-180	
1.90	25X751-190	*	
2.00	25X751-200		

DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
PRIMARY GUIDE FLAT 		34X775-F	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
PRIMARY GUIDE W/GROOVE 	0.50~1.00	34X775-0510	
	1.10~1.60	34X775-1116	
	1.70~2.00	34X775-1720	

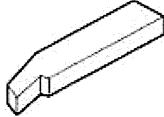

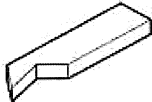
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
MIDDLE GUIDE FLAT 		Y25X764-F	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
MIDDLE GUIDE W/GROOVE 	0.50	Y25X764-050	
	0.55	Y25X764-055	
	0.60	Y25X764-060	
	0.65	Y25X764-065	
	0.70	Y25X764-070	
	0.80	Y25X764-080	
	0.90	Y25X764-090	
	1.00	Y25X764-100	
	1.10	Y25X764-110	
	1.20	Y25X764-120	
	1.30	Y25X764-130	
	1.40	Y25X764-140	
	1.50	Y25X764-150	
	1.60	Y25X764-160	
	1.70	Y25X764-170	*
	1.80	Y25X764-180	
1.90	Y25X764-190	*	
2.00	Y25X764-200		

DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
BODY POINT 0° 	0.50	Y16X562-050	
	0.55	Y16X562-055	
	0.60	Y16X562-060	
	0.65	Y16X562-065	
	0.70	Y16X562-070	
	0.80	Y16X562-080	
	0.90	Y16X562-090	
	1.00	Y16X562-100	
	1.10	Y16X562-110	
	1.20	Y16X562-120	
	1.30	Y16X562-130	
	1.40	Y16X562-140	
	1.50	Y16X562-150	
	1.60	Y16X562-160	
	1.80	Y25X762-180	
2.00	Y25X762-200		
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
BODY POINT 15° 	0.50	Y16X560-050	
	0.55	Y16X560-055	
	0.60	Y16X560-060	
	0.65	Y16X560-065	
	0.70	Y16X560-070	
	0.80	Y16X560-080	
	0.90	Y16X560-090	
	1.00	Y16X560-100	
	1.10	Y16X560-110	
	1.20	Y16X560-120	
	1.30	Y16X560-130	
	1.40	Y16X560-140	
	1.50	Y16X560-150	
	1.60	Y16X560-160	
	1.80	Y25X760-180	
2.00	Y25X760-200		

DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
BODY POINT 25° 	0.50	Y16X561-050	
	0.55	Y16X561-055	
	0.60	Y16X561-060	
	0.65	Y16X561-065	
	0.70	Y16X561-070	
	0.80	Y16X561-080	
	0.90	Y16X561-090	
	1.00	Y16X561-100	
	1.10	Y16X561-110	
	1.20	Y16X561-120	
	1.30	Y16X561-130	
	1.40	Y16X561-140	
	1.50	Y16X561-150	
	1.60	Y16X561-160	
1.80	Y25X761-180		
2.00	Y25X761-200		
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
PITCH TOOL 0° 		Y25X755-0	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
PITCH TOOL 45° 		Y25X755-45	

DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
ASSIST TOOL 45° 	0.50~1.60	Y16X568-45	
	1.80~2.00	Y25X756-45	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
ASSIST TOOL 0° RH 	0.50~2.00	Y25X763-R0	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
ASSIST TOOL 0° LH 	0.50~2.00	Y25X763-L0	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
ASSIST TOOL 45° RH 	0.50~1.60	Y16X568-R45	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
ASSIST TOOL 45° LH 	0.50~1.60	Y16X568-L45	

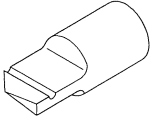
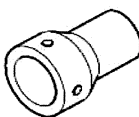

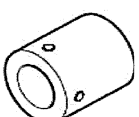
ORII&MEC TM-20M #1201

DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
CUTTING TOOL 	0.50~1.60	Y16X557	
	1.80~2.00	Y25X759-200	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
TOOL BLANK 	0.50~1.60	Y16X557	
	1.80~2.00	Y25X759-200	
DESCRIPTION	WIRE DIA.	PART NO.	REMARKS
BENDING TOOL B 	0.50~1.60	Y16X555-B	
	1.80~2.00	Y16X555-B	

OPTION


ANNEX

ORII&MEC TM-20M #1201


DESCRIPTION	WIRE DIA.	P/NO.	REMARKS
BENDING TOOL FOR E UNIT 	0.50	Y16X558-050	
	0.55	Y16X558-055	
	0.60	Y16X558-060	
	0.65	Y16X558-065	
	0.70	Y16X558-070	
	0.80	Y16X558-080	
	0.90	Y16X558-090	
	1.00	Y16X558-100	
	1.10	Y16X558-110	
	1.20	Y16X558-120	
	1.30	Y16X558-130	
	1.40	Y16X558-140	
	1.50	Y16X558-150	
	1.60	Y16X558-160	
DESCRIPTION	WIRE DIA.	P/NO.	REMARKS
U BENDING ARBOR B 		Y16X569-B	
DESCRIPTION	WIRE DIA.	P/NO.	REMARKS
U BENDING ARBOR C 		Y15X519-C	
DESCRIPTION	WIRE DIA.	P/NO.	REMARKS
U BENDING ARBOR (BLANK) 		Y16X569-D	

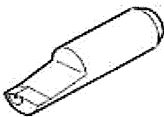
ANNEX

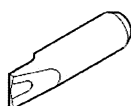
ORII&MEC TM-20M #1201

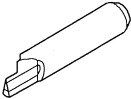

DESCRIPTION	WIRE DIA.	P/NO.	REMARKS
QUILL LINER LONG  (L = 103)	0.50	Y16X552-L050	
	0.55	Y16X552-L055	
	0.60	Y16X552-L060	*
	0.65	Y16X552-L065	
	0.70	Y16X552-L070	
	0.80	Y16X552-L080	*
	0.90	Y16X552-L090	
	1.00	Y16X552-L100	
	1.10	Y16X552-L110	
	1.20	Y16X552-L120	
	1.30	Y16 X552-L130	
	1.40	Y16X552-L140	
	1.50	Y16X552-L150	
	1.60	Y16X552-L160	
	1.70	Y16X552-L170	*
	1.80	Y16X552-L180	
	1.90	Y16X552-L190	*
	2.00	Y16X552-L200	

When using FL16 Long Quill,

DESCRIPTION	WIRE DIA.	P/NO.	REMARKS	
QUILL LINER (L=126) 	0.50	Y25X752-050	To be used when T/E/W Quill Long of FL16	
	0.55	Y25X752-055		
	0.60	Y25X752-060		
	0.65	Y25X752-065		
	0.70	Y25X752-070		
	0.80	Y25X752-080		
	0.90	Y25X752-090		
	1.00	Y25X752-100		
	1.10	Y25X752-110		
	1.20	Y25X752-120		
	1.30	Y25X752-130		
	1.40	Y25X752-140		
	1.50	Y25X752-150		
	1.60	Y25X752-160		

DESCRIPTION	WIRE DIA.	P/NO.	REMARKS	
T QUILL LONG 	0.50	Y16X553-LT050		
	0.55	Y16X553-LT055		
	0.60	Y16X553-LT060		
	0.66	Y16X553-LT065		
	0.70	Y16X553-LT070		
	0.80	Y16X553-LT080		
	0.90	Y16X553-LT090		
	1.00	Y16X553-LT100		
	1.10	Y16X553-LT110		
	1.20	Y16X553-LT120		
	1.30	Y16X553-LT130		
	1.40	Y16X553-LT140		
	1.50	Y16X553-LT150		
	1.60	Y16X553-LT160		

DESCRIPTION	WIRE DIA.	P/NO.	REMARKS	
E QUIL LONG 	0.50	Y16X553-LE050		
	0.55	Y16X553-LE055		
	0.60	Y16X553-LE060		
	0.66	Y16X553-LE065		
	0.70	Y16X553-LE070		
	0.80	Y16X553-LE080		
	0.90	Y16X553-LE090		
	1.00	Y16X553-LE100		
	1.10	Y16X553-LE110		
	1.20	Y16X553-LE120		
	1.30	Y16X553-LE130		
	1.40	Y16X553-LE140		
	1.50	Y16X553-LE150		
	1.60	Y16X553-LE160		

DESCRIPTION	WIRE DIA.	P/NO.	REMARKS	
W QUIL LONG 	0.50	Y16X553-LW050		
	0.55	Y16X553-LW055		
	0.60	Y16X553-LW060		
	0.66	Y16X553-LW065		
	0.70	Y16X553-LW070		
	0.80	Y16X553-LW080		
	0.90	Y16X553-LW090		
	1.00	Y16X553-LW100		
	1.10	Y16X553-LW110		
	1.20	Y16X553-LW120		
	1.30	Y16X553-LW130		
	1.40	Y16X553-LW140		
	1.50	Y16X553-LW150		
	1.60	Y16X553-LW160		
DESCRIPTION	WIRE DIA.	P/NO.	REMARKS	
CLAMP φ25 		Y25B114	HOLDER EXCLUSIVE FOR ROD TYPE QUILL	