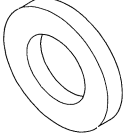
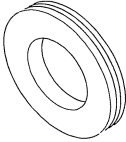


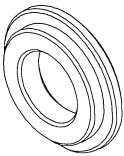
## Toolings

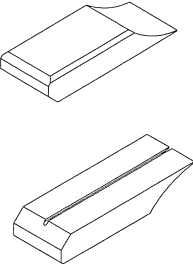
### Standard toolings

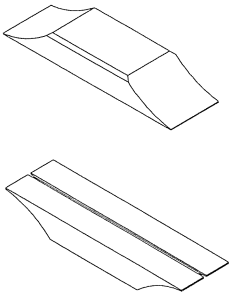
\* marked items are made-to-order

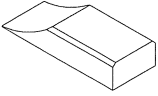
Name	Wire Diameter	Part No.	Remarks
Feed roll flat 	0.016~0.025	31X801-F0016	
	0.026~0.045	31X801-F003	
	0.046~0.075	31X801-F006	
	0.076~0.115	31X801-F009	
	0.116~0.200	31X801-F016	
	0.201~0.300	31X801-F025	

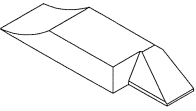
Name	Wire Diameter	Part No.	Remarks
Feed roll 	0.016	31X801-016	* Single-groove
	0.02	31X801-02	
	0.03/0.04	31X801-0304	Double-groove
	0.05/0.06	31X801-0506	
	0.07/0.08	31X801-0708	
	0.09/0.10	31X801-0910	
	0.12/0.13	31X801-1213	
	0.15/0.16	31X801-1516	
	0.20/0.23	31X801-2023	
	0.25/0.30	31X801-2530	

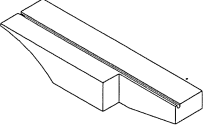
Name	Wire Diameter	Part No.	Remarks
φ16 Spacer roller 		35X188	For operation with only a pair of feed rolls, it is applied to the main feed shaft at the inlet end and also to the sub feed shaft one piece each.

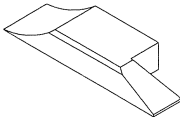
Name	Wire Diameter	Part No.	Remarks
Inlet guide 	Flat	35X164-F	
	0.02	35X164-002	
	0.03	35X164-003	
	0.04	35X164-004	
	0.05	35X164-005	
	0.06	35X164-006	
	0.07	35X164-007	
	0.08	35X164-008	
	0.09	35X164-009	
	0.10	35X164-010	
	0.12	35X164-012	
	0.13	35X164-013	
	0.14	35X164-014	
	0.15	35X164-015	
	0.16	35X164-016	
	0.18	35X164-018	
	0.20	35X164-020	
	0.23	35X164-023	*
	0.25	35X164-025	*
	0.26	35X164-026	*
0.30	35X164-030		
0.32	35X164-032	*	
0.40	35X164-040		

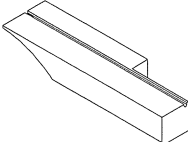
Name	Wire Diameter	Part No.	Remarks
Middle guide  	Flat	35X165-F	
	0.02	35X165-002	
	0.03	35X165-003	
	0.04	35X165-004	
	0.05	35X165-005	
	0.06	35X165-006	
	0.07	35X165-007	
	0.08	35X165-008	
	0.09	35X165-009	
	0.10	35X165-010	
	0.12	35X165-012	
	0.13	35X165-013	
	0.14	35X165-014	
	0.15	35X165-015	
	0.16	35X165-016	
	0.18	35X165-018	
	0.20	35X165-020	
	0.23	35X165-023	*
	0.25	35X165-025	*
	0.26	35X165-026	
0.30	35X165-030		
0.32	35X165-032	*	
0.40	35X165-040	*	

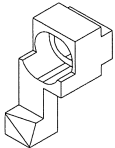
Name	Wire Diameter	Part No.	Remarks
Wire guide flat S 	0.02~0.30	35X166-SF	For Right wind, it requires RH Wire guide flat S - Pitch tool to be used as a set  For Left wind, it requires LH Wire guide flat S - Pitch tool to be used as a set

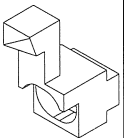
Name	Wire Diameter	Part No.	Remarks
RH Wire guide flat L 	0.02~0.30	35X166-RF	

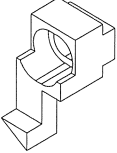
Name	Wire Diameter	Part No.	Remarks
RH Wire guide 	0.02	35X166-R002	
	0.03	35X166-R003	
	0.04	35X166-R004	
	0.05	35X166-R005	
	0.06	35X166-R006	
	0.07	35X166-R007	
	0.08	35X166-R008	
	0.09	35X166-R009	
	0.10	35X166-R010	
	0.12	35X166-R012	
	0.13	35X166-R013	
	0.14	35X166-R014	*
	0.15	35X166-R015	
	0.16	35X166-R016	
	0.18	35X166-R018	*
	0.20	35X166-R020	
	0.23	35X166-R023	*
	0.25	35X166-R025	*
	0.26	35X166-R026	
0.30	35X166-R030		

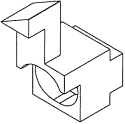
Name	Wire Diameter	Part No.	Remarks
LH Wire guide flat L 	0.02~0.30	35X166-LF	

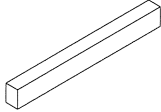
Name	Wire Diameter	Part No.	Remarks
LH Wire guide 	0.02	35X166-L002	
	0.03	35X166-L003	
	0.04	35X166-L004	
	0.05	35X166-L005	
	0.06	35X166-L006	
	0.07	35X166-L007	
	0.08	35X166-L008	
	0.09	35X166-L009	
	0.10	35X166-L010	
	0.12	35X166-L012	
	0.13	35X166-L013	
	0.14	35X166-L014	*
	0.15	35X166-L015	
	0.16	35X166-L016	
	0.18	35X166-L018	*
	0.20	35X166-L020	
	0.23	35X166-L023	*
	0.25	35X166-L025	*
	0.26	35X166-L026	
	0.30	35X166-L030	

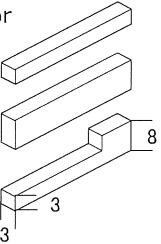
Name	Wire Diameter	Part No.	Remarks
RH Wire guide flat - S Pitch tool 	RH	35X168R	To be used along with the wire guide flat S as a set.

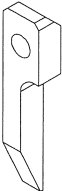
Name	Wire Diameter	Part No.	Remarks
LH Wire guide flat - S Pitch tool 	LH	35X168L	To be used along with the wire guide flat S as a set

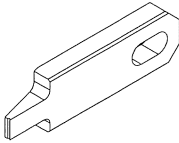
Name		Part No.	Remarks
RH Wire guide flat L- Pitch tool	RH	35X169R	To be used along with the RH Wire guide- flat L as a set.
			

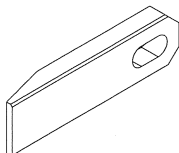
Name		Part No.	Remarks
LH Wire guide flat L- Pitch tool	LH	35X169L	To be used along with the LH Wire guide- flat L as a set.
			

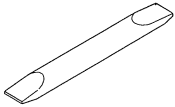
Name		Part No.	Remarks
Cutting tool		14X075-B	To be used as off-bending tool also
			

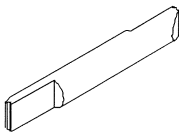
Name	A×B (×C)	Part No.	Remarks	
Arbor 	3×3	14X076-33	To be used with 3*3 Arbor holder	
	3×3	14X076-33S	*	Hardness: 1.27 times in compare with standard Carbide material
	3×6	14X076-36		
	3×3×8	14X076-338	*	
	1.5×1.5	35x171		Length: 22mm To be used with 1.5*1.5 Arbor holder

Name		Part No.	Remarks
Bending tool		35X175	To be used for 3D bending.
			

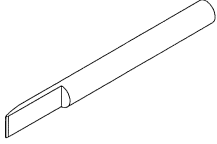
Name	Wire Diameter	Part No.	Remarks	
Changer point 	0.02	35X173-020	To be used with the changer tool holder	
	0.025	35X173-025		*
	0.03	35X173-030		
	0.035	35X173-035		*
	0.04	35X173-040		
	0.045	35X173-045		*
	0.05	35X173-050		
	0.055	35X173-055		*
	0.06	35X173-060		
	0.065	35X173-065		*
	0.07	35X173-070		
	0.075	35X173-075		*
	0.076	35X173-076		*
	0.08	35X173-080		
	0.09	35X173-090		
	0.10	35X173-100		
	0.12	35X173-120		
	0.13	35X173-130		
	0.14	35X173-140		
	0.15	35X173-150		
0.16	35X173-160			
0.18	35X173-180	*		
0.20	35X173-200			
0.23	35X173-230	*		
0.26	35X173-260			
0.30	35X173-300			

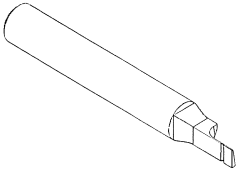
Name	Wire Diameter	Part No.	Remarks
Changer tool blank 		35X174-A	To be used with the changer holder.

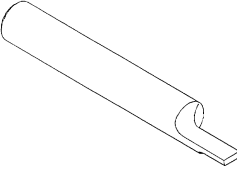
Name	Wire Diameter	Part No.	Remarks
Coiling pin with U-groove  	0.03	02X020-003	To be used with φ5 point holder.
	0.04	02X020-004	
	0.05	02X020-005	
	0.06	02X020-006	
	0.07	02X020-007	
	0.08	02X020-008	
	0.09	02X020-009	
	0.10	02X020-010	
	0.12	02X020-012	
	0.13	02X020-013	
	0.14	02X020-014	
	0.15	02X020-015	
	0.16	02X020-016	
	0.18	02X020-018	
	0.20	02X020-020	
	0.23	02X020-023	
	0.25	02X020-025	
0.26	02X020-026		
0.30	02X020-030		

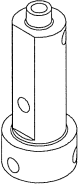
Name	Wire Diameter	Part No.	Remarks	
Coiling pin with U-groove chamfered  	0.10	70X278-010	To be used with φ5 point holder.	
	0.12	70X278-012		*
	0.13	70X278-013		*
	0.14	70X278-014		*
	0.15	70X278-015		
	0.16	70X278-016		*
	0.18	70X278-018		*
	0.20	70X278-020		
	0.23	70X278-023		*
	0.25	70X278-025		*
	0.26	70X278-026		
	0.30	70X278-030		




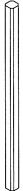
Name	Wire Diameter	Part No.	Remarks	
Coiling pin with groove 	0.02	05X406-020	To be used with φ3 point holder	
	0.025	05X406-025		*
	0.03	05X406-030		
	0.035	05X406-035		*
	0.04	05X406-040		
	0.045	05X406-045		*
	0.05	05X406-050		
	0.055	05X406-055		*
	0.06	05X406-060		
	0.065	05X406-065		*
	0.07	05X406-070		
	0.075	05X406-075		*
	0.076	05X406-076		*
	0.08	05X406-080		
	0.09	05X406-090		
0.10	05X406-100			


Name	Wire Diameter	Part No.	Remarks
E Bending tool 	0.02	35X187-002	*
	0.03	35X187-003	*
	0.04	35X187-004	*
	0.05	35X187-005	
	0.06	35X187-006	*
	0.07	35X187-007	
	0.08	35X187-008	*
	0.09	35X187-009	*
	0.10	35X187-010	
	0.12	35X187-012	*
	0.13	35X187-013	*
	0.14	35X187-014	*
	0.15	35X187-015	*
	0.16	35X187-016	*
	0.18	35X187-018	*
	0.20	35X187-020	*
	0.23	35X187-023	*
0.25	35X187-025	*	
0.26	35X187-026	*	
0.30	35X187-030	*	

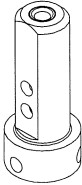
Name	Wire Diameter	Part No.	Remarks
E Bending tool blank 		35X187A	

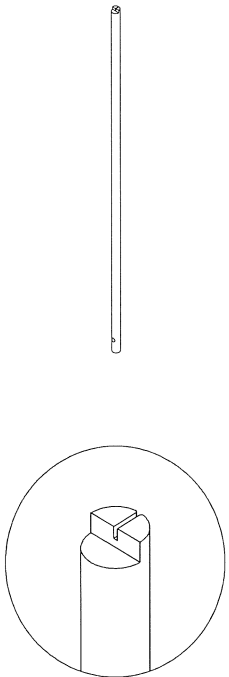
Name		Part No.	Remarks
Arbor holder A 		35X177	<ul style="list-style-type: none"> <li>To be used along with the U-bending Arbor A &amp; B as a set.</li> <li>To be used with U-bending Arbor blank</li> <li>Material: SK</li> </ul>

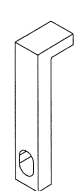
Name	Diameter of the center pin	Part No.	Remarks
U-bending Arbor A 	0.05	35X182-005	<ul style="list-style-type: none"> <li>To be used along with U-bending Arbor B as a set.</li> <li>Material: Carbide</li> </ul>
	0.1	35X182-010	
	0.2	35X182-020	
	0.3	35X182-030	
	0.4	35X182-040	

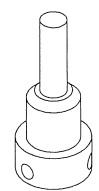
Name		Part No.	Remarks
U-bending Arbor B 		35X183	<ul style="list-style-type: none"> <li>To be used along with U-bending Arbor A as a set.</li> <li>Material: Carbide</li> </ul>

Name		Part No.	Remarks
U-bending Arbor blank 		35X184	<ul style="list-style-type: none"> <li>Material: SK</li> </ul>

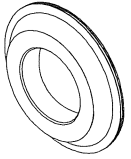
Name		Part No.	Remarks
Arbor holder B 		35X178	<ul style="list-style-type: none"> <li>To be used along with a slotted arbor and a pawl as a set.</li> <li>Material: SK</li> </ul>

Name	Wire Diameter	Part No.	Remarks
Slotted Arbor tool 	0.02	35X185-002	*
	0.03	35X185-003	*
	0.04	35X185-004	*
	0.05	35X185-005	
	0.06	35X185-006	
	0.07	35X185-007	
	0.08	35X185-008	
	0.09	35X185-009	
	0.10	35X185-010	
	0.12	35X185-012	
	0.13	35X185-013	
	0.14	35X185-014	*
	0.15	35X185-015	
	0.16	35X185-016	
	0.18	35X185-018	*
	0.20	35X185-020	
	0.23	35X185-023	*
0.25	35X185-025	*	
0.26	35X185-026	*	
0.30	35X185-030	*	

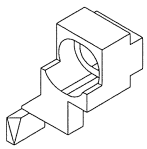
Name	Part No.	Remarks
Pawl 	35X186	* Material: SK

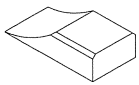
Name	Part No.	Remarks
Arbor holder blank 	35X179	* Material: SK

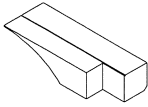
## Roller servo point tool

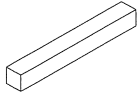
Name	Wire Diameter	Part No.	Remarks
Roller servo point tool 	0.02	35X176-002	
	0.03	35X176-003	
	0.04	35X176-004	
	0.05	35X176-005	
	0.06	35X176-006	
	0.07	35X176-007	
	0.08	35X176-008	
	0.09	35X176-009	
	0.10	35X176-010	
	0.12	35X176-012	
	0.13	35X176-013	
	0.14	35X176-014	
	0.15	35X176-015	
	0.16	35X176-016	
	0.18	35X176-018	*
	0.20	35X176-020	
	0.23	35X176-023	*
	0.25	35X176-025	
	0.26	35X176-026	
	0.30	35X176-030	

## Ultrafine holder unit tool

Name		Part No.	Remarks
UF Wire guide- Flat Pitch tool 	RH	35X170	

Name		Part No.	Remarks
UF RH Wire guide flat 		35X167-F	

Name	Wire Diameter	Part No.	Remarks
UF RH Wire guide 	0.02	35X167-002	
	0.03	35X167-003	
	0.04	35X167-004	
	0.05	35X167-005	
	0.06	35X167-006	
	0.07	35X167-007	
	0.08	35X167-008	
	0.09	35X167-009	

Name		Part No.	Remarks
UF Arbor 1.5*1.5 	1.5*1.5	35X172	Length: 12mm