_		Ser	ies BA1	Model	06-09	Series BA2 Model 06-09						
Production Years:	196	5 - 1972				1972-1977						
Color Scheme:	Silve	er Gray- H	ammer ton	e texture v	vith black trim	Silver Gray- Hammer tone texture with black trim						
Models			Diameter:				Spindle	Diameter:				
Offered:		Stainless					Stainless					
		Steel	Aluminum	Take-Up	Notes		Steel	Aluminum	Take-Up	Notes		
	06	235mm 235mm	238mm 238mm	6" and 8" 10"		06 06S	235mm 235mm	238mm 238mm	6" and 8" 10"			
	06S 07	235mm 199mm	238mm 197mm	6" maximum	(S= Special)	065	235mm 199mm	238mm 197mm	6" maximum	(S= Special)		
	07 070	199mm	197mm	6" maximum	(O= Open Balloon)	07 070	199mm	197mm	6" maximum	(O= Open Balloon)		
	070	19911111	19711111			0/0	19911111	19711111				
	08	167mm	170mm	6" maximum		08	167mm	170mm	6" maximum			
	09		160mm	6" maximum		09		160mm	6" maximum			
Feed Package:		nbly Wound Wound (Two	Packages in F	Pot): 2x3.25", 2	x4", 2x5", or 2x6"	Assembly Wound Single Wound (Two Packages in Pot): 2x3.25", 2x4", 2x5", or 2x6"						
Cradle												
System:			unts to the cent			Cradle console mounts to the center rail of the main machine						
			ard and away fr			Cradle hinges upward and away from the friction roll						
	Cradle is mounted to the pivot axle with a single bolt						Cradle is mounted to the pivot axle with two bolts*					
	Cradle lift handle has an elliptical yellow knob						Cradle lift handle has an elliptical yellow knob					
Threading System:	Manu	al only				Manual only						
Braking System:	Hand	brake or knee	e brake			Hand b	brake or knee	brake				
Drive System:	Chan	ge pulley syste	em (V belt)			Change pulley system (V belt)						
Gear Box	Gear	drive				Gear drive						
System:			nent was made	by a dial syste	em viewed through a	Pre-tal	ke up change	s are made wit	h change gear	'S <sup>*</sup>		
	sight (	glass				*Olu	differences		DA0			
						*Only differences between BA1 & BA2						

		Se	eries BA3	6 Mode	el 05		06- 09					
Production Years:	197	8 - 1984				1978 - 1984						
Color Scheme:	Silve	er Gray- Ha	ammer ton	e texture v	vith black trim	Silver Gray- Hammer tone texture with black trim						
Models		Spindle	Diameter:				Spindle	Diameter:				
Offered:		Stainless					Stainless					
		Steel	Aluminum	Take-Up	Notes		Steel	Aluminum	Take-Up	Notes		
	05	302mm	305mm	10"		06	235mm	238mm	6" and 8"			
	05C	302mm	305mm	10"	C= Cabler	06S	235mm	238mm	10"	(S= special)		
						07	190mm	190mm	6" maximum			
						070	190mm	190mm	6" maximum	(O= Open Balloon)		
						08	167mm	170mm	6" maximum			
						09		160mm	6" maximum			
						09ST	157mm		6" maximum	ST= Sewing Thread machine for high speed, 12500 rpm, special pot bearing)		
Feed Package:							bly Wound Wound (Two	Packages in P	ot): 2x3.25", 2>	4", 2x5", or 2x6"		
Cradle System:	above Cradle	the main body as hinge from t	ount to an ove y of the machin the rail mount s a round yello	ne downward to tl	em that is located	above t Cradles	the main body s hinge from t	of the machir	ne downward to th	m that is located e friction roll		
Threading System:	Manua	al or Air Threa	d			Manua	l or Air Thread	d (070,08,09 a	re manual only	)		
Braking System:	Foot b	rake only				Hand b	rake, knee br	ake, or foot bra	ake			
Drive	Chang	ge pulley syste	em			Change	e pulley syste	m				
System:	A.C. v	ariable speed	system (Elekti	afaurndau mo	tor)- option	A.C. va	riable speed	system (Elektr	afaurndau mot	or)- option		
Gear Box	Gear					Gear drive						
System:	Pre-ta	ke up changes	s are made wit	h change gear	°C	Pre-tak	A un changes	s are made with	h change gears	•		

	Series BA4 Model 05						Seri	es BA4	Model 06- 09			
Production Years:	1984	- 1992				1984 - 1992						
Color Scheme:	Beige	e- with dar	k brown tri	m		Beige- with dark brown trim						
Models		Spindle	Diameter:	1			Spindle	Diameter:				
Offered:		Stainless					Stainless					
		Steel	Aluminum	Take-Up	Notes		Steel	Aluminum	Take-Up	Notes		
	05	302mm		10"		06	235		6" and 8"			
	050	302mm		10"	O= Open Balloon	06S	235		10"	S= Special		
	05C	302mm		10"	C= Cabler	07	190		6" maximum			
	05OC	302mm		10"	OC= Open Balloon Cabler	070	190		6" maximum	O= Open Balloon		
	<u> </u>			<u>.</u>	<u>.</u>	08	167		6" maximum			
						08O	177		6" maximum	O= Open Balloon		
						08OS	177		6" maximum	OS= Open Balloon Special		
						090	157		6" maximum	O= Open Balloon		
						09OS	157		6" maximum	OS= Open Balloon Special		
Feed Package: Cradle	Individu	ual cradles mo	ount to an over	head rail syste	em that is located	Single				:4", 2x5", or 2x6" m that is located		
System:	above the main body of the machine						above the main body of the machine					
	Cradles hinge from the rail mount downward to the friction roll						Cradles hinge from the rail mount downward to the friction roll					
	Cradle lift handle is a one piece aluminum casting						Cradle lift handle is a one piece aluminum casting					
Threading System:	Air Thre	ead				Air Thr	ead					
Braking System:	Foot br	ake only				Foot br	rake only					
Drive System:	Consta	nt RPM moto	r with aluminur	n drive pulley o	or DC inverter drive	Constant RPM motor with aluminum drive pulley or DC inverter drive						
Gear Box System:	Timing	belt drive				Timing belt drive						

		Se	eries BA5	Mode	el 05	Series BA5 Model 06- 09						
Production Years:	1993	- Preser	nt			1993 - 2000						
Color Scheme:	Silve	r- with ora	nge trim			Silver- with orange trim						
Models		Spindle	Diameter:				Spindle	Diameter:				
Offered:		Stainless					Stainless					
		Steel	Aluminum	Take-Up	Notes		Steel	Aluminum	Take-Up	Notes		
	05	302		10"		06	235		6" and 8"			
	050	302		10"	O= Open Balloon	06S	235		10"	S= Special		
	05C	302		10"	C= Cabler	07	190		6" maximum			
	05OC	302		10"	OC= Open Balloon, Cabler	070	190		6" maximum	O= Open Balloon		
							167		6" maximum			
						080	177		6" maximum	O= Open Balloon		
						08OS	177		6" maximum	OS= Open Balloon, Special		
						090	157		6" maximum	O= Open Balloon		
						09OS	157		6" maximum	OS= Open Balloon, Special		
Feed Package:						Assembly Wound Single Wound (Two Packages in Pot): 2x3.25", 2x4", 2x5", or 2x6"						
Cradle System:	above f Cradles	the main body hinge from t	ount to an over / of the machin he rail mount d a one piece alu	e ownward to th		Individual cradles mount to an overhead rail system that is located above the main body of the machine Cradles hinge from the rail mount downward to the friction roll Cradle lift handle is a one piece aluminum casting						
Threading System:	Air Thre	ead				Air Thr	ead					
Braking System:	Foot br	ake only				Foot br	ake only					
Drive System:	Consta	nt RPM moto	r with aluminun	n drive pulley o	or DC inverter drive	Constant RPM motor with aluminum drive pulley or DC inverter drive						
Gear Box System:	Timing	belt drive				Timing belt drive						

	Series BA5/6 Model 07 - 09 (Twiggy)						Series BA6 Model 06- 09					
Production Years:	1997	7 - Preser	nt			2000 - Present						
Color Scheme:	Silve	er- with ora	ange trim			Silver- with orange trim						
Models	Spindle Diameter:						Spindle	Diameter:				
Offered:		Stainless					Stainless					
	-	Steel	Aluminum	Take-Up	Notes		Steel	Aluminum	Take-Up	Notes		
	07					06		-				
	07O 08				O= Open Balloon	06S 07				S= Special		
	080					07				O= Open Balloon		
	000				O= Open Balloon	0/0						
	09					08						
						080				O= Open Balloon		
						08OS				OS= Open Balloon, Special		
						090				O= Open Balloon		
						09OS				OS= Open Balloon, Special		
Feed Package:		bly Wound Wound (Two	Packages in Po	t): 2x3.25", 2x	<4", 2x5", or 2x6"	Assembly Wound Single Wound (Two Packages in Pot): 2x3.25", 2x4", 2x5", or 2x6"						
Cradle System:	Cradle Cradle	s hinge upwai is made from	nts to the cente rd and away from a spring steel sta covered with a r	m the friction amped parts	roll	Individual cradles mount to an overhead rail system that is located above the main body of the machine Cradles hinge from the rail mount downward to the friction roll Cradle lift handle is a one piece aluminum casting						
Threading System:	Manua	l or Air Thread	d			Air Thre	ead					
Braking System:	Foot b	rake only				Foot br	ake only					
Drive System:	Consta	ant RPM moto	or with aluminum	drive pulley o	or DC inverter drive	Constant RPM motor with aluminum drive pulley or DC inverter drive						
Gear Box System:	Timing	l belt drive				Timing belt drive						