



# ORGAN NEEDLE CO., LTD.

## POINT STYLES OF ORGAN SEWING MACHINE NEEDLES

Cutting Style in Threading Direction														
Side View														
Organ Designation	R	Q	J	B	U	Y	S	TRI	SPI	P	L	LL	S	
Other Designation	R, SET	RG	SES, FFG, L BALL SIN, R-K, NYR, BPL	SUK, FG, M BALL, SI, R-KB, LAC, BMP	STR, G, H BALL KAL, BPH	SKF, TR, EH BALL BIL		SD1, TRI TIP	RS, S SET					
Description	Normal Round Point	Extra Light Ball Point	Light Ball Point	Medium Ball Point	Heavy Ball Point	ExtraHeavy Ball Point	Slim Point	Light Triangular Point	Slim Set Point	W, NW	RTW, NRTW	TW, NTW	CR, NCR	

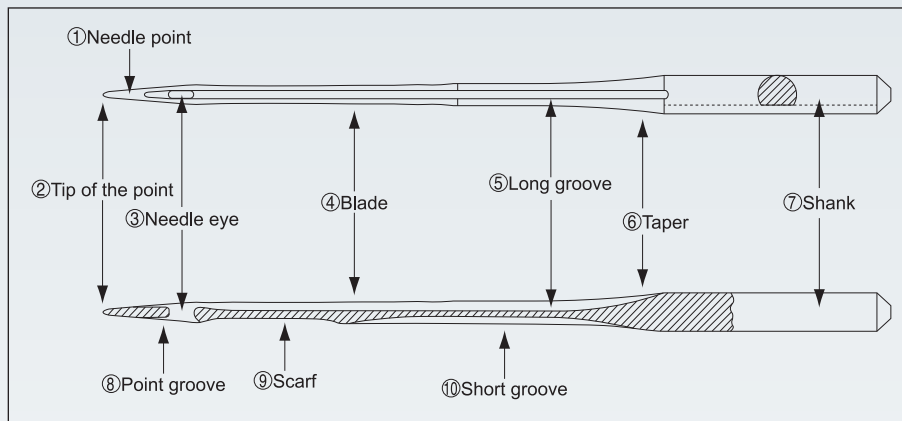
### INTERRELATIONSHIP TABLE (THREAD/NEEDLE SIZES)

Filament	Thread Size					Needle Size
	Japanese Ticket	tex	dTex	Nm	Ticket	
100	10	100		100	250	55/7
80	12	120		180	230	55/7-65/9
60	16	160		180	200	55/7-70/10
50	24	240		160	120	60/8-80/12
40	30	300		100	80	70/10-100/16
30	50	500		60	60	80/12-110/18
20	60	600		40	40	90/14-125/25
10	80	800		30	30	100/16-130/21
8	105	1050		25	25	110/18-140/22
5	180	1800		20	20	130/21-180/24

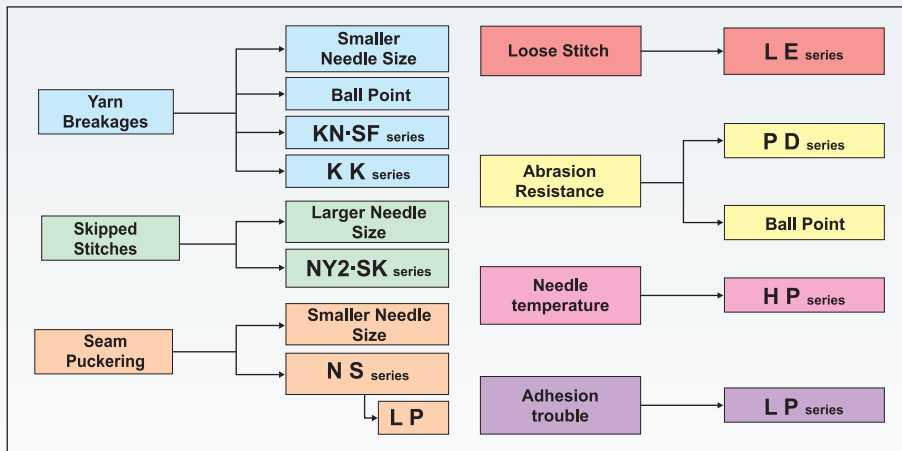
Spun	Thread Size					Needle Size
	Japanese Ticket	tex	dTex	Nm	Ticket	
120	16	160		200	200	50/6-55/7
90	18	180		180	180	55/7-65/9
80 (two-twist)	21	210		140	150	60/8-80/12
80 (two-twist)	21	210		140	140	60/8-80/12
60 (two-twist)	27	270		120	120	65/9-90/14
60 (three-twist)	27	270		110	110	65/9-90/14
50 (two-twist)	30	300		120	90	70/10-100/16
50 (three-twist)	40	400		75	80	70/10-100/16
40	40	400		75	75	80/12-110/18
30 (two-twist)	60	600		50	50	90/14-120/19
30 (three-twist)	70	700		50	60	90/14-120/19
20	80	800		30	30	100/16-125/20
10	105	1050		30	25	110/18-130/21
8	120	1200		25	24	120/19-180/23

Core Spun	Thread Size					Needle Size
	Japanese Ticket	tex	dTex	Nm	Ticket	
60	18	180		160	180	60/8-65/9
	21	210		150	150	60/8-70/10
50	24	240		120	120	70/10-80/12
	30	300		100	100	70/10-90/14
	40	400		75	80	80/12-100/16
	50	500		60	60	90/14-100/18
30	60	600		50	50	90/14-120/19
	80	800		36	40	100/16-120/19
20	105	1050		30	30	100/16-140/22
8	140	1400		25	25	120/19-180/23
5	200	2000		14	14	140/22-180/23

### ANATOMY OF THE NEEDLE



### HOW TO SOLVE YOUR SEWING TROUBLE?



### REGULAR NEEDLE IMPROVEMENT (NEW STANDARD TOUGH & DELICATE TECHNOLOGY)

#### Ideal Compatibility of Contradicting Functions

Productivity Safety Usability

**Improvement of Multifunctional Balance**

- Optimized diagonal distance
- Perfect strength balance
- Fabric-friendly shape
- Long Shank / Short front groove

**TOUGH & DELICATE TECHNOLOGY BONUS EFFECT**

- Smaller size but strong
- Less contact against hook
- Operator friendly

**Cliff Scarf**

- Stable loop formation
- Less contact against hook
- Operator friendly

**Large Eye**

- One size bigger needle eye
- Smooth needle eye surface

**#12**

**NS series**

Solutions for: Sewing, Pickering, Sewing, Sewing

**For Knitted Fabrics KN/SF series**

Solutions for: Yarn breakage, Rubber protrusion, Unmatched fabric pattern

**For a Variety of Knitted Fabrics BP series**

Solutions for: Yarn breakage, Rubber protrusion, Tip damage, Ball size selection

**#13**

**SK series**

Solutions for: Skipped Stitches, Upper thread cut, Frank scarf

**For a Variety of Knitted Fabrics BP series**

Solutions for: Yarn breakage, Tip damage

**CUT series**

Solutions for: Needle mark, Various cutting points

### ORGAN NEEDLE SURFACE TREATMENT LINE UP

**For Extra Durability PD coating**

Solutions for: Wear, Tip damage

Titanium coating 5 times increased durability

120um plating

25um

**For Anti-adhesion LP coating**

Solutions for: Upper thread cut, Skipped stitches

Anti-adhesive coating Less adhesive with special coating

Hardness

**For Heat Resistance HP coating**

Solutions for: Yarn breakage, Upper thread cut

Heat release coating

Needle Working Time and Heat

### SOLE AGENT :

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