

Blade

It's the part of the needle between the end of the shoulder and the top of the eye. Blades can be distinguished as straight, supplementary shoulder, curved, tapered and reduced.

Butt

It's the flattened section at the end of the shank. For technical reasons the butt is not chrome plated.

Butt to Eye length

It's the distance between the butt and the top of the eye which is determined by the construction of the sewing machine and is of great importance for the stitch formation.

Clearance Above Eye (CAE)

It's the depression in the needle to allow unhampered motion of parts of the machine below and above the throat plate.

Eye

The exact opening in the needle blade through which the thread is inserted is called the eye of the needle.

Needle Size

The needle size is the diameter of the needle blade just above the scarf or short groove. The needle size is indicated on the shank of the needle. The Number metric (Nm) unit is conventionally used to designate needle size. 1 Nm equals one hundredth of a millimeter. So an Nm 80 needle will have a blade diameter of 0.80 mm. In the United States, we commonly see needles labeled with two measurements separated by a slash. The first number is the old singer needle sizing standard, the second is NM designation. A 12/80 needle is simply the same needle measured by two different systems.

Needle System

The needle system describes the needle which belongs to a certain sewing machine class. This consists of numbers, letters or a combination of both.

Point

A point is the part of the needle between the top of the eye and the end of the needle. Fundamentally, there are round and cutting points.

Round Point Needles

Sewing machine needles with points ground in a cone shape are round point needles. The tip may be shaped differently depending on the application of the needle. Needles with a round point are predominantly used on textiles. There are centric and eccentric round points.

Ball Point Needles

These are round points with a ball-shaped tip. Their task is to avoid, or at least reduce damage to the fabric. They are of 5 types – Light Ball Point (notated by SES), Medium Ball Point (notated by SUK), Heavy Ball Point (notated by SKF), Extra Heavy Ball Point (notated by TR) and Special Ball Point (notated by SKL).

Slim Round Point Needles

Needles with cone-shaped points starting about the middle of the eye. Used for sewing very fine fabrics such as silk. Notated by SPI.

Cutting Point Needles

Sewing machine needles with cutting points are predominantly used for sewing leather. A specific seam appearance is achieved by a specially ground shape, at the same time the cutting point reduces the resistance of the sewing material. There are six different types of cutting points – Wedge Point (notated by W), Cross Point (notated by CR), Reverse Twist Point (notated by RTW), Twist Point (notated by TW), Triangular Point (notated by TRI) and Square Point (notated by SQ).

Shank

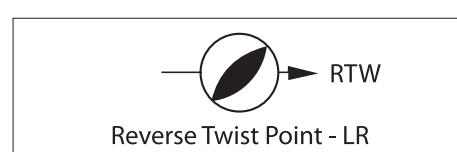
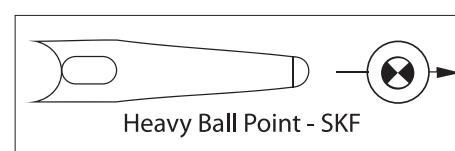
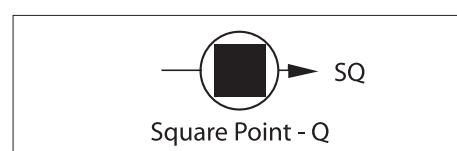
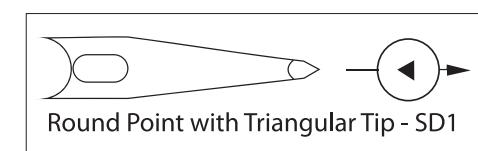
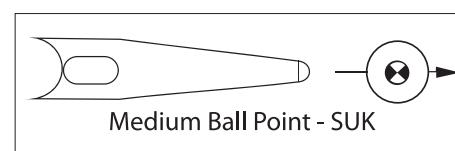
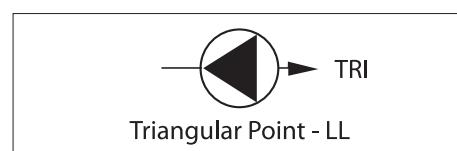
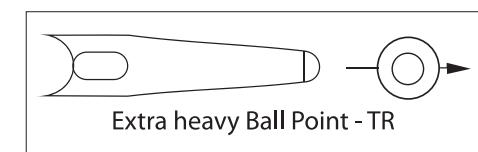
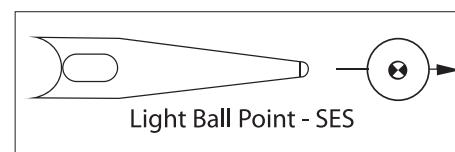
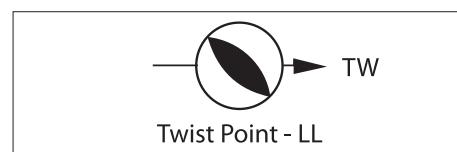
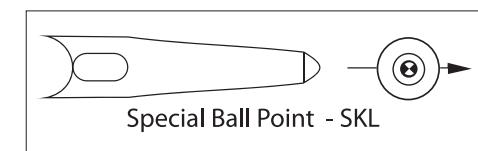
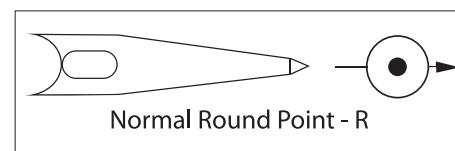
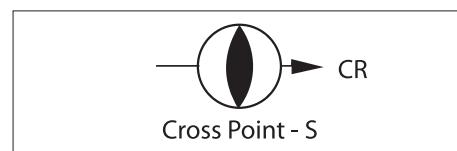
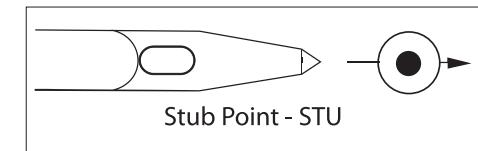
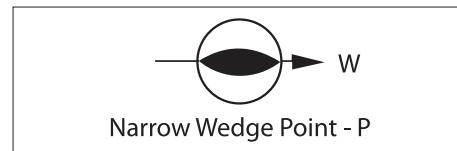
It's the part of the needle which is inserted in the needle bar. It is normally secured with a screw. The manufacturer's name and needle size are usually stamped on the shank.

Shank Diameter

Most of the needle systems have a constant shank diameter for all sizes. Some of the needle systems have different shank diameters increasing at intervals. While some needle systems, starting from a certain size, have a shank diameter which equals the diameter of the needle blade.

POINT STYLES

BEISSEL



NEEDLES FOR SEWING MACHINES (INDUSTRIAL)

BEISSEL

NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
BCX5	2.00	38.9		 R	200	Bag closing	FD 5R
BQXI	1.64	37.3		 R-STU	80, 90, 100, 110	Button sewing on skirts, underwear.	108 x 1
BQXI	1.64	37.3		 R-SES	80	Button sewing on skirts, underwear.	108 x 1
BQXI	1.64	37.3		 R-SUK	90	Button sewing on skirts, underwear.	108 x 1
DBX1	1.63	33.9		 R	55, 60, 65, 70, 75, 80, 85, 90, 100, 110	Lock stitch & for general sewing on light and medium woven fabrics.	287 WH, I738 (A), 16X23I, 16X257
DBX1	1.63	33.9		 R-SES	60, 65, 70, 75, 80, 85, 90, 100, 110	Lock stitch & for general sewing on light and medium woven/knit fabrics.	287 WH, I738 (A), 16X23I, 16X257
DBX1	1.63	33.9		 R-SUK	60, 65, 70, 75, 80, 85, 90, 100, 110	Lock stitch & for general sewing on light, medium woven/knit and foundation fabrics.	287 WH, I738 (A), 16X23I, 16X257
DBX1	2.00	33.9		 R	125, 130, 140, 150, 160, 180, 200	Heavy sewing materials	287 WH, I738 (A), 16X23I, 16X257
DBX1 KN	1.63	33.9		 R-SES	65, 70, 75, 80, 85, 90	Knit fabrics of finer gauge (minimize the penetration resistance)	DBX1KN
DBX95	1.63	33.9		 R	120, 125, 130, 140, 160	Small shank (special applications)	287H, I738A, 16X95, 71 X1
DBXK5	1.63	33.9		 R	60, 65, 70, 75, 80, 85, 90	Embroidery application	DBK5

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NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
DBXK5	1.63	33.9		R-SPI	70, 75, 80, 85, 90	Embroidery application	DBK5
DBXK5	1.63	33.9		R-SES	60, 65, 70, 75, 80, 85, 90	Embroidery application	DBK5
DBXK5	1.63	33.9		R-SUK	60, 65, 70, 75, 80, 85, 90	Embroidery application	DBK5
DBXK5 KN	1.63	33.9		R-SES	65, 70	Fine embroidery work	DBK5 R-SDI
DBK5 R-SDI	1.63	33.9		R-SDI	60, 65, 70, 75, 80, 85, 90, 100, 110	Embroidery with leather	DBXK5 KN
DBK5 KK	1.63	33.9		R-SES	60, 65, 70, 75, 80, 85, 90, 100, 110	Embroidery work	1738 ES SES
DBK5 KK	1.63	33.9		R-SUK	60, 65, 70, 75, 80, 85, 90, 100, 110	Embroidery work	1738 ES SUK
DBXF2	1.63	33.9		LR POINT	75, 80, 90, 100, 110	Sewing leather goods	1738 LR, 16X230 NRTW, 16230 RTW
DBXF2	1.90	33.9		LR POINT	120	Sewing leather goods	1738 LR, 16X230 NRTW, 16230 RTW
DBXF2	2.00	33.9		LR POINT	125, 130, 140, 150, 160	Sewing leather goods	1738 LR, 16X230 NRTW, 16230 RTW
DCXI	2.02	33.9		R	60, 65, 70, 75, 80, 90, 100, 110, 120, 125, 130	Overedging (Overlock)	1886, 8IX1, DMXI,

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NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
DCXI	2.02	28.6		R-SES	60, 65, 70, 75, 80, 90	Overedging (Overlock)	1886, 8IXI, DMXI,
DCXI	2.02	28.6		R-SUK	60, 65, 70, 75, 80, 90	Overedging (Overlock)	1886, 8IXI, DMXI,
DCX27	2.02	28.6		R	60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	High speed Overedging (skip proof)	3027GS, MY 1023, B27, I91 GS, D100 SY 6120, 1886
DCX27	2.02	28.6		R-SPI	60, 65, 70, 75, 80, 90	High speed Overedging (skip proof)	3027GS, MY 1023, B27, I91 GS, D100 SY 6120, 1886
DCX27	2.02	28.6		R-SES	60, 65, 70, 75, 80, 90, 100, 110, 120, 130	High speed Overedging (skip proof)	3027GS, MY 1023, B27, I91 GS, D100 SY 6120, 1886
DCX27	2.02	28.6		R-SUK	60, 65, 70, 75, 80, 85, 90, 100, 110, 120, 130	High speed Overedging (skip proof)	3027GS, MY 1023, B27, I91 GS, D100 SY 6120, 1886
DDXI	2.02	52.0		R	90, 100, 110, 120, 130, 140	Inter lock	328, 214x1
DMXI3	2.02	28.6		R	65, 75, 80, 90, 100, 110	For stitching leather and heavy weight fabrics/shoe broder threading	82XI3, 1886KK, SYI246
DMXI3	2.02	28.6		R	70, 80	Inter lock	82XI3, 1886 KK, SY I246
DMXI3	2.02	28.6		R	65, 75, 80, 90, 100, 110, 120	Inter lock	82XI3, 1886 KK, SY I246
DN XI	2.00	42.1		R-SES	140, 170, 200	Bag closing & gunny closer sewing	UY 143 GS, 92XI, 1286

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NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
DO X5	2.04	31.2		R-SUK	80, 90, 100, 110, 120	Eyelet button holing	42x5, SY 1413
DO X 558	2.00	33.9		R	80, 90, 100, 110, 120	Eyelet button holing	558
DO X 558	2.00	33.9		R-SES	110, 120	Eyelet button holing	558
DO X 558	2.00	33.9		R-SUK	80, 90, 100	Eyelet button holing	558
DP XI	2.00	31.8		R	65, 75, 80, 90, 100, 110	Stitching shoe tongues and straps, and general sewing	135XI, 153I, SY 145, 61B, 354, 1673
DPX5	2.00	33.9		R-SES	60, 65, 75, 80, 90, 100, 110, 120, 130, 140, 160, 180, 200	Lock stitch, button holing zig zag, double needle	134R, 797, 135x5, DPX7, 134, PFX134, 135 X25
DPX5	2.00	33.9		R	60, 65, 75, 80, 90, 100, 110	Lock stitch, button holing zig zag, double needle	134R, 797, 135x5, DPX7, 134, PFX134, 135X25
DPX5	2.00	33.9		R	60, 65, 75, 80, 90, 100, 110	Lock stitch, button holing, zig zag, double needle	134R, 797, 135x5, DPX7, 134, PFX134, 135X25
DPX5 KN	2.00	33.9		R-SES	65, 70, 75	For knitted fabric	UY 121 GS, 759, MY 100I
DPXI7	2.00	38.9		R	70, 80, 90, 100, 110, 120, 130, 140, 160, 180, 200	Medium to heavy materials sewing, button sewing	UY 121 GS (L)
DPXI7	2.00	38.9		R-SES	70, 80, 90, 100, 110, 120, 130, 140	Medium to heavy materials sewing, button sewing	UY 121 GS, 759, MY 100I

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NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
DPX17	2.00	38.9		R-SUK	70, 80, 90, 100, 110, 120, 130, 140	Medium to heavy materials sewing, button sewing	I34 KN, I35X5 KN
DPX35R	2.00	38.1		R	70, 80, 90, 100, 110, 120, 130, 140, 160, 180, 200	For leather sewing (Post bed)	I35X17, SY 3355
DPX35 LR	2.00	38.1		LR POINT	70, 80, 90, 100, 110, 120, 130, 140	For leather sewing (Post bed)	I35X17, SY 3355
DPX35 S	2.00	38.1		S	70, 80, 90, 100, 110, 120, 130, 140, 160, 180	For leather sewing (Post bed)	I35X17, SY 3355
DPX35 PCL	2.00	38.1		PCL	100, 110, 120, 130, 140	For leather sewing (Post bed)	I34-35R, SY 7225
DVX1	2.00	38.9		R	65, 75, 80, 90, 100, 110, 120, 130, 140	Two needle double chain stitch, interlock stitching for knitted goods.	I34-35LR, SY 7225
DVX1	2.00	38.9		R-SES	70, 75, 80	Two needle double chain stitch, interlock stitching for knitted goods.	I34-35 S, SY 7225
DVX1 (L)	2.00	38.9		R	65, 75, 80, 90, 100	Two needle double chain stitch for zipper.	I34-35 PCL, SY 7225
DVX1 (R)	2.00	38.9		R	65, 75, 80, 90, 100	Two needle double chain stitch for zipper.	UY 121 GS (R)
DVX57	2.00	38.6		R	75, 80, 90, 100, 110, 120, 130, 140	For sewing waist band of jeans	B-57, 62X57, 5640
DVX57	2.00	38.6		R-SES	100, 110, 120, 130, 140	For sewing waist band of jeans	B-57, 62X57, 5640

NEEDLES FOR SEWING MACHINES (INDUSTRIAL)

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NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
DVX57	2.00	38.6			110, 120, 130	For sewing waist band of jeans	B-57, 62X57, 5640
DVX63	2.00	38.9			75, 80, 90, 100, 110, 120, 130, 140	2-needle, 3-needle double chain stitch for elastic tape attaching.	B- 63
DVX63	2.00	38.9			75, 80, 90, 100, 110	2-needle, 3-needle double chain stitch for elastic tape attaching.	B- 63
DVX63	2.00	38.9			75, 80, 90, 100, 110	2-needle, 3-needle double chain stitch for elastic tape attaching.	B- 63
DVX63	2.00	38.9			70, 75, 80	2-needle, 3-needle double chain stitch for elastic tape attaching.	B- 63
EBX1	2.02	49.0			90, 100, 110, 120, 130	Quilting needle, for bed covering sewing	48, 51, 490, 2331
EBX755	1.63	33.0			75, 80, 90, 100, 110, 120, 130	Eyelet button holing	501, 755H, 1807
EBX755	1.63	33.0			100, 110, 120	Eyelet button holing	501, 755H, 1807
LW 2 T	2.02	NA			65, 75, 80, 90, 100, 110	Felled seam, blind stitch	29-34, 29-49, 29-BL
LW 3 T	2.02	NA			80, 90, 100, 110	Felled seam, blind stitch	29-C -300, 25I, 1715 F, LWX4T
LW 5 T	2.02	NA			80, 90	Felled seam, blind stitch	29-300 LG, 25I LG, 300

NEEDLES FOR SEWING MACHINES (INDUSTRIAL)

BEISSEL

NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
LW 6 T	2.02	NA		R-SES	65, 70, 75, 80	Felled seam, blind stitch	29-34, 29-49, 29-BL
TQXI	1.75	37.1		STU	70, 75, 80, 90, 100, 110, 120, 130	Button sewing	175x1, 1985, 29-s
TQXI	1.75	37.1		R-SES	70, 75, 80, 90, 100, 110	Button sewing	175x1, 1985, 29-s
TQXI	1.75	37.1		R-SUK	80, 90, 100	Button sewing	175x1, 1985, 29-s
TQX7	1.75	47.0		R	75, 80, 90, 100, 110, 120, 130	Button sewing and snaps on clothes	175x7, 29-I, 209I
TQX7	1.75	47.0		R-SES	75, 80, 90, 100, 110	Button sewing and snaps on clothes	175x7, 29-I, 209I
TQX7	1.75	47.0		R-SUK	75, 80, 90, 100	Button sewing and snaps on clothes	175x7, 29-I, 209I
TQX9	1.75	47.0		R	75, 80, 90, 100, 110	Button sewing (short shank)	29-Iss, 175x9, 1987
TVXI	2.00	37.0		R	65, 75, 80, 90, 100, 110	Double chain stitch, hemming, felled seam	149x1, sy 2774
TVXI	2.00	37.0		R-SES	80, 90	Hemming, felled seam, for elastic tap, jeans	149x1, sy 2774
TVX5	2.00	41.4		R	65, 75, 80, 90, 100, 110, 120, 130, 140	Hemming, felled seam, for elastic tap, jeans	62x53, 149x5, SY 415I

NEEDLES FOR SEWING MACHINES (INDUSTRIAL)

BEISSEL

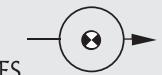
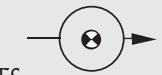
NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
TVX7	2.00	37.0		R	65, 75, 80, 90, 100, 110, 120, 130, 140	Double chain stitch for elastic tape knit wears hemming or felled seam	149x7, MY 1002 A
TVX7	2.00	37.0		R-SES	65, 75, 80, 90	Double chain stitch for elastic tape knit wears hemming or felled seam	149x7, MY 1002 A
TVX64	2.00	36.6		R	70, 75, 80, 90, 100, 110, 120, 130	Double chain stitch for elastic tape knit wears hemming or felled seam	B64
TVX64	2.00	36.6		R-SES	70, 75, 80	Double chain stitch for elastic tape knit wears hemming or felled seam	B64
UOX113 GS	2.00	36.6		R	65, 75, 80, 90, 100, 110, 120, 130, 140	Waist banding, shirt fronting, tapes, shrring sewing	UY 113 GS, SY 7090, 2055
UOX113 GS	2.00	36.6		R-SES	65, 75, 80, 90, 100, 110, 120	Waist banding, shirt fronting, tapes, shrring sewing	UY 113 GS, SY 7090, 2055
UYXI21 GBS	2.00	38.9		R-SES	90, 100, 110, 120, 130, 140	Double chain stitch	UYXI21 GBS
UYXI28 GAS	2.00	38.9		R	65, 75, 80, 90, 100, 110, 120, 130, 140	2 needle double chain stitch for attaching elastic tapes, rings etc	MY 1040, MY 1044, I280
UYXI28 GAS	2.00	38.9		R-SES	65, 75, 80, 90, 100, 110, 120, 130, 140	2 needle double chain stitch for attaching elastic tapes, rings etc	MY 1040, MY 1044, I280
I34 D	2.00	33.9		R-TRI	70, 75, 80, 90, 100, 110	Triangular cutting point (for leather)	PFX I34 D
I34 LL	2.00	33.9		LL	90, 100	Twist cutting point (for leather)	PFX I34 LL, I35X8 NTW

NEEDLES FOR SEWING MACHINES (INDUSTRIAL)

BEISSEL

NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
I34 LR	2.00	33.9		LR-POINT 	70, 75, 80, 90, 100, 110	Reverse twist cutting point (for leather)	PFX I34 LR, I35X8 RTW
I34 LR	2.00	33.9		LR-POINT 	120, 130, 140, 160, 180	Reverse twist cutting point (for leather)	PFX I34 LR, I35X8 RTW
I34 PCL	2.00	33.9		PCL 	70, 80, 90, 100, 110, 120, 130, 140	Wedge cutting point (with left twisted point groove)	PFX I34 PCL, 797 PCL
I34 S	2.00	33.9		S 	70, 80, 90, 100, 110, 120, 130, 140	Cross cutting point (for leather)	PF I34 KS, I35 X 8 NCR
I34-35 R	2.00	38.1		R 	70, 80, 90, 100, 110, 120, 130, 140	Lock stitch flat bed sewing for heavy material (shoes, bags, seats etc)	I34-35 R
I34-35 LR	2.00	38.1		LR POINT 	70, 80, 90, 100, 110, 120, 130, 140	Reverse twist cutting point (for leather)	I34-35 LR
I34-35 LL	2.00	38.1		LL 	70, 80, 90, 100, 110, 120, 130, 140	Twist cutting point (for leather)	I34-35 LL
I34-35 S	2.00	38.1		S 	70, 80, 90, 100, 110, 120, 130, 140	Cross cutting point, long (for leather)	I34-35 S
I34-35 D	2.00	38.1		TRI 	70, 80, 90, 100, 110, 120, 130	Triangular cutting point (for leather)	I34-35 D
I34-35 PCL	2.00	38.1		PCL 	70, 80, 90, 100, 110, 120, 130, 140	Wedge cutting point (with left twisted point groove) longer type I34 pcl	I34-35 PCL

NEEDLES FOR SEWING MACHINES (DOMESTIC)

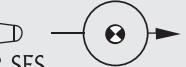
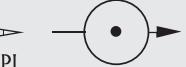
	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	I30 N (or) I30 MET	2.03	33.9			70, 80, 90, 100	Top stitch needles (with longer eye) for metallic embroidery threads.	I30 N, I30/705 HM
	I30/705 H	2.03	33.9			60, 70, 80, 90, 100, 110, 120	Universal needle, slightly rounded point for all fabric types.	I5 XI, I30/705 H, HA XI
	I30/705 H-J	2.03	33.9			70, 80, 90, 100, 110	J = Jeans , For Heavy/dense fabrics like denim and canvas, More rigid shank for less deflection.	I30/705 H-J
	I30/705 H-LL	2.03	33.9			70, 80, 90, 100, 110, 120	Needle with cutting point (with left twist) for sewing on leather, suited for decorative seams.	I30/705 H-LL
	I30/705 H-LR	2.03	33.9			70, 80, 90, 100, 110, 120	Needle with cutting point (with right twist) for sewing on leather, suited for decorative seams.	I30/705 H-LR
	I30/705 HM	2.03	33.9			60, 70, 80, 90	Application on M-Micro fibre, Silks, Foils etc.	I30/705 HM
	I30/705 HQ	2.03	33.9			75, 90	Needles for quilting and patch work - slightly rounded point.	I30/705 HQ
	I30/705 H-S	2.03	33.9			75, 90	For elastic materials, T-shirt knits (Jersey) knitted and warpknits -Medium ball point.	I30/705 H-S
	I30-705 H SUK	2.03	33.9			70, 80, 90, 100	For knitted fabrics lycra, medium ball point.	I30-705 H SUK
	I30-705 H E	2.03	33.9			75, 90	Large eye for special effect or metallic embroidery threads. Light ball point to avoid shredding.	I30-705 H E

NEEDLES FOR SEWING MACHINES (DOMESTIC)

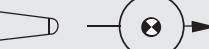
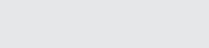
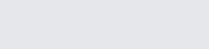
	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	I30-705 H E ZWI NE 2.0	2.03	33.9			75	Large eye for special effect or metallic embroidery threads. Light ball point to avoid shredding.	I30-705 H E
	I30-705 H E ZWI NE 3.0	2.03	33.9			75	Large eye for special effect or metallic embroidery threads. Light ball point to avoid shredding.	I30-705 H E
	I30/705 H-S ZWI 2,5	2.03	33.9			75	Twin needle for elastic material - distance between points: 2.5mm	I30/705 H-S ZWI 2,5
	I30/705 H-J ZWI 4.0	2.03	33.9			100	Twin needle for jeans - distance between points: 4mm	I30/705 H-S ZWI 4.0
	I30/705 H-ZW I1,6	2.03	33.9			70,80	Twin needle for universal point - distance between points: 1.6mm	I30/705 H-ZW I1,6
	I30/705 H-ZW I2,0	2.03	33.9			80	Twin needle for universal point - distance between points: 2.0mm	I30/705 H-ZW I2,0
	I30/705 H-SZW I2,5	2.03	33.9			80	Twin needle for universal point - distance between points: 2.5mm	I30/705 H-SZW I2,5
	I30/705 H-SZW I3,0	2.03	33.9			90	Twin needle for universal point - distance between points: 3.0mm	I30/705 H-SZW I3,0
	I30/705 H-SZW I4,0	2.03	33.9			80,90,100	Twin needle for universal point - distance between points: 4mm	I30/705 H-SZW I4,0
	I30/705 H-BR NE 6,0	2.03	33.9			100	Twin needle for waist band sewing - universal point distance between points: 6mm	I30/705H-BRNE 6,0

NEEDLES FOR SEWING MACHINES (DOMESTIC)

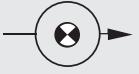
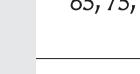
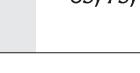
BEISSEL

NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
130/705 H-BR NE 8,0	2.03	33.9		 R SES	100	Twin needle for waist band sewing - universal point distance between points: 8mm	130/705H-BRNE 8,0
130-705 H DRI NE 3,0	2.03	33.9		 SPI	80	Three needles on a cross bar from a single single shaft, sews three rows of decorative stitching.	130-705 H DRI NE 3,0
130-705 H ZWIHO	2.03	33.9		 R SES	100	1 x Wing needle + 1 x Universal needle as twin.	130-705 H ZWIHO
130/705 H-WING	2.03	33.9		 R SES	100,120	1 Wing needle for decorative hem stitch seams.	130/705 H-WING

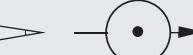
I, 2 & 3 NEEDLE GROUP

NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
DVXI	2.00	38.9		Available in the mentioned point style	60, 65, 70, 75, 80, 90, 100, 110, 120, 125, 130, 140	Double chain stitch	1628, 62X21, UYI2IGS, MY100I, DVX2I, UYX12I
UYX128 GAS	2.00	38.9			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	With scarf 2 & 3 needle	1280, UYI28GAS, MY1040, MY1044, DVXG9
DVX43	2.00	38.9		 	60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	Tv x3 from #19	62X3, 62X43
DVX63	2.00	38.9			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	Skip proof	B63
TVXI	2.00	37.0			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	Hem stitching & felling	149X1
DVX57	2.00	38.6			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	Twisted groove	62X57
TVX3	2.00	38.9			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	Side stitching dvx43 from #18	149X3, UYI24GS
TVX5	2.00	41.4			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	2 needle felling 3 needle heavy material	62X 45, 149X5
TVX7	2.00	37.0			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	Hem stitch & felling	149 X7MY1002A, 149X25, TVX25
TVX64	2.00	36.6			60, 65, 70, 75, 80, 90, 100, 110, 120, 130, 140	Skip proof	B64

BLIND STITCH NEEDLE GROUP

	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	LW X 1T	2.02	NA		Available in the mentioned point style	65, 75, 80, 90, 100, 110, 120, 130	Felling	29-BC, 29 BD, 29-12, 1717 BE, 1717TP
	LW X 2T	2.02	NA			65, 75, 80, 90, 100, 110, 120, 130	For blind chain stitching & felling	29 BA, 29 BL, 29-20, 29-34, 29-35, 2140 BE, 2140TP LW X 6T
	LW X 3T	2.02	NA		 	65, 75, 80, 90, 100, 110, 120, 130	For blind chain stitching & felling	29-CA, 29-C-300, 25I, 1715F, BLIND STITCH, LW X4T
	LW X C 5	2.02	NA		 	65, 75, 80, 90, 100	Bluff edging and felling	29 BK, 29-38L, 29-39, 2186 TP
	LW X 6T	2.02	NA			2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5	For attaching shoulder pads and basting	29-BA, 29-BL, 29-20, 29-34, 2935, 29-49, 2140BE, 2140TP, 3140TP, LWX 2T
	LW X7T	2.02	NA		 	75, 80, 90, 100, 110	Felling	29 BB, 29-6, 29-63, 1717 DC, 1828E
	LW X1669E	2.02	NA		 	65, 75, 80, 90, 100, 110, 120, 130	Lapel padding	1669 E, 1715E, 2669E, 3669E

BUTTON SEWING NEEDLE GROUP

	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	BQX1	1.63	37.3		Available in the mentioned point style	70, 75, 80, 90, 100, 110, 120, 130, 140	Button [2 or 4 holes] of skirts, under wear	108 X1
	TQX1	1.75	37.1			70, 75, 80, 90, 100, 110, 120, 130, 140	Button sewing	175 X1, 175 X1, 29-S, 166I, 1985
	TQX3	1.75	41.4			70, 75, 80, 90, 100, 110, 120, 130, 140	Sewing button and snaps on clothes	175 X3 2018
	TQX7	1.75	47.0			70, 75, 80, 90, 100, 110, 120, 130, 140	Button sewing longer length	175 X 7, 29 -L, 209I, 209I LGK
	TQX9	1.75	47.0			70, 75, 80, 90, 100, 110, 120, 130, 140	Button sewing with short shank	175 X9, LS X 18, 29-LSS, 166I ELG

LEATHER NEEDLE GROUP

	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	TF X2	1.63, 1.90, 2.02	33.9		 LL	60, 70, 80, 90, 100, 110, 120, 125, 130, 140, 160	For stitching leather	34LL, 287LL, 563LL, 690LL, 16X2NTW, TFX2LL
	DP XI6 N	2.00	38.9		 LL	80, 90, 100, 110, 120, 125, 130, 140, 160, 180		135X 16 NTW, 135 X16 TW,
	MT X 134PCL	2.00	33.9		 PCL	70, 80, 90, 100, 110, 120, 125, 130, 140		134 PCL, 797 PCL, PF 134 PCL
	PF 134LL	2.00	33.9		 LL	70, 80, 90, 100, 110, 120, 125, 130, 140, 160, 180, 200		134LL, 7697LL, 135 X8NTW, 135X8TW
	DBXF2	1.63, 1.90, 2.02	33.9		 LR	70, 80, 90, 100, 110, 120, 125, 130, 140, 160, 180, 200		1738LR, 16X230NRTW: 16X230RTW
	PFX 134LR	2.00	33.9		 LR	70, 80, 90, 100, 110, 120, 125, 130, 140, 160, 180, 200		134 LR, 797 LR, 135X8 NRTW, 135X8 RTW
	DPX35LR	2.00	38.1		 LR	70, 80, 90, 100, 110, 120, 125, 130, 140, 160, 180, 200		135-35 LR, 2134-35 LR
	DPXF22	2.00	33.9		 S	60, 70, 80, 90, 100, 110		134KKS, 797 KKS
	PF X134KS	2.00	33.9		 S	70, 80, 90, 100, 110, 120, 125, 130, 140, 160, 180, 200		134S, 797S, 1345X8 CR, 135X8 NCR,

LOCK STITCH NEEDLE GROUP

BEISSEL

	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	DB XI	1.63, 2.00	33.9		Available in the mentioned point style	60, 65, 70, 75, 80, 85, 90, 100, 110, 120, 130, 140, 160, 180, 200	Sewing on light and medium woven fabrics.	16 X23I, 16 X 257, 1738, SY 2254
	DBXI KN	1.63	33.9			65, 70, 75, 80, 85, 90	Application on knit fabrics of finer gauge.	DBXI KN
	DBX K5	1.63	33.9			60, 65, 70, 75, 80, 85, 90, 100, 110	For multi head embroidery.	DBX K5
	DPX 5	2.00	33.9			60, 65, 70, 75, 80, 85, 90, 100, 110	Double lock stitch sewing on light and medium fabrics.	134 R, 135 X 5, 135 XI7, SY 1955
	DA XI	1.63	29.6			60, 65, 70, 75, 80, 85, 90, 100, 110	High speed straight sewing for medium weight fabrics such as shirts, knit wear, aprons, etc.	88 XI, 1128
	DPXI7	2.00	38.9			60, 65, 70, 75, 80, 85, 90, 100, 110, 120, 130, 140, 160, 180, 200	Lock stitch on leather sewing.	135XI7

ZIG - ZAG NEEDLE GROUP

BEISSEL

	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	DPX5	2.00	33.9		Available in the mentioned point style	70, 75, 80, 90, 100, 110, 120, 130, 140	Zig zag	I34R, 797, I35x5, DPX7, I34, PFXI34, I35 X25
	DPX5 KN	2.00	33.9		 	70, 75, 80, 90, 100, 110, 120, 130, 140	Knit	I34KN, I35X5 KN
	PFX34R	1.63, 1.90, 2.02	33.9		 	70, 75, 80, 90, 100, 110, 120, 130, 140	Bartack	I34R, 797, I35x5, DPX7, I34, PFXI34, I35 X25
	PFXI34	2.00	33.9		 	70, 75, 80, 90, 100, 110, 120, 130, 140	Lock stitch	I34R, 797, I35x5, DPX7, I34, PFXI34, I35 X25
	PFX797	2.00	33.9		 	70, 75, 80, 90, 100, 110, 120, 130, 140	Buttoning and holing	I34K, 556KH, 797KH, I35X9, PFXK

OVER LOCK NEEDLE GROUP

	NEEDLE SYSTEM	SHANK DIA mm	BUTT TO EYE LENGTH mm	GROOVES	POINT STYLE	NEEDLE SIZES	SPECIAL FEATURES	EQUIVALENT SYSTEMS
	DC XI	2.02	28.6		Available in the mentioned point style	70, 75, 80, 90, 100, 110, 120, 130, 140	Over lock for overedging hoisery goods, underwear and joining knit wear pieces.	81 XI, 621, MY 1023A
	DC XI KN	2.02	28.6			70, 75, 80, 90, 100, 110, 120, 130, 140	Over lock for overedging hoisery goods, underwear and joining knit wear pieces.	DC XIKN
	DC X27	2.02	28.6			70, 75, 80, 90, 100, 110, 120, 130, 140	High speed overedging	B -27, 81 X27, 1886, MY 1023
	DM XI	2.02	28.6			70, 75, 80, 90, 100, 110, 120, 130, 140	Inter lock	82 XI
	DM XI3	2.02	28.6			70, 75, 80, 90, 100, 110, 120, 130, 140	Inter lock	82 XI3, 1886 KK