

# TOIKA

## HAND LOOMS & WEAVING EQUIPMENT



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TOIKA is a family business, founded in 1898. For several decades it has been one of the leading manufacturers of weaving equipment in the world. The fourth generation is now leading its operations.

Experience and continuity are the values which we consider important in the manufacture of our weaving equipment. We think that every item should be both functional and esthetically pleasing. The high quality of TOIKA looms is recognized all over the world.

All TOIKA looms are made of high quality, selected Finnish birch, which has been both air-dried and kiln-dried. Parts subject to bending are laminated for extra strength. A distinguishing feature of TOIKA looms is the use of a special varnish in the finishing process which preserves the original light colour of the hardwood.

All TOIKA looms are guaranteed for 2 years against defects in material and workmanship.

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## EEVA (4322-4398)

The Eeva loom is a large traditional Scandinavian loom for weaving all kinds of projects from light transparent fabrics to heavy rugs. Eeva usually is equipped with a hanging beater, but an underslung can be ordered. Eeva is most popular as a countermark loom, but can be equipped in a counterbalance configuration. An additional option is the cog wheel warp system that allows easy control of warp tension and release without leaving the bench. The warp beam, complete with holders, can easily be detached from Eeva without the need to dismantle the loom. An adjustable bench is standard with Eeva in the USA. Eeva can be equipped with 4, 8 or 12 shafts.



*The large side opening allows for easy access to warp and tie up.*

Weaving width	Total width	Weight
80 cm	117 cm	100 kg
100 cm	137 cm	110 kg
120 cm	157 cm	120 kg
150 cm	187 cm	130 kg
31 1/2"	46 1/8"	220 lbs
39 3/8"	53 7/8"	240 lbs
47 1/4"	61 3/4"	265 lbs
59"	73 5/8"	285 lbs



*The Liisa loom can be fitted with a variety of supplementary items of equipment.*

## LIISA (4122-4198)

Liisa is descended from the original Toika and is a solid and reliable counter-march loom. While Liisa usually is shipped with an underslung beater, an overhead beater kit is available as an option. Liisa is solid enough for a steady diet of rugs, yet gentle enough for a sheer transparent fabric. The cog wheel warp tensioning system is the most popular option for Liisa. A traditional bench is standard on the Liisa although the adjustable Eeva bench may be substituted. Liisa is capable of accepting the damask system and is the loom to order if that is in a weaver's future. Liisa can be equipped with 4, 8 or 12 shafts.

Weaving width	Total width	Weight
80 cm	117 cm	90 kg
100 cm	137 cm	100 kg
120 cm	157 cm	110 kg
150 cm	187 cm	120 kg
31 1/2"	46 1/8"	200 lbs
39 3/8"	53 7/8"	220 lbs
47 1/4"	61 3/4"	240 lbs
59"	73 5/8"	265 lbs

Height	Depth	With bench
153 cm	136 cm	170 cm
60 1/4"	53 1/2"	66 7/8"

## JAANA (4284-4298)

Jaana is a very compact loom and because of its smaller overall dimensions, allows a full counter-march loom in smaller room or apartment situations. Jaana has all of the traditional Toika sturdiness, yet has a convenient and pleasantly low working height. Jaana can be equipped with a hanging or underslung beater and 4 or 8 shafts. It comes with a traditional bench, but an adjustable one can be substituted.

Weaving width	Total width	Weight
80 cm	117 cm	70 kg
100 cm	137 cm	80 kg
31 ½"	46 ⅛"	154 lbs
39 ⅜"	53 ⅞"	175 lbs

Height	Depth	With bench
128 cm	117 cm	158 cm
50 ⅜"	46 ⅛"	62 ¼"



*The dimension of the Jaana loom is based on ergonomic factors and ensures a convenient and pleasantly low working height.*



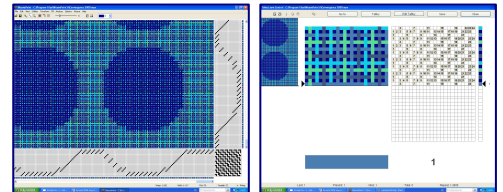
## CHANGE IS GOOD!

For several centuries, weavers have enjoyed creating beautiful fabrics on traditional hand weaving looms. For the past few decades, we have learned that computers are not only fun to use but they have increased our productivity. Now we can merge the traditional creativity of the hand loom with the increasingly sophisticated computer for even more productivity, enjoyment and ease.

Traditional hand weaving is labor intensive; every project requires its new tie-up of the loom and the weaver must remember to refer to threading and treadling charts for every project. With the EW computer control unit, all of the tie-up work and mental effort spent on threading and treadling are things of the past.

Connect the control box to your Eeva, Liisa or Jaana loom, connect the shafts to the unit and that is the last tie-up ever. The weaver can then spend time designing on the computer. Treadles, jacks and lamms are replaced by a single, easy to operate, fatigue limiting pedal. The control unit, directed by your computer, selects the appropriate shafts and opens the shed on your loom automatically according to the design that the weaver has added to the software. And there are no treadling errors.

*Powered by a dedicated version of WeavePoint software, the system will operate from any PC using Windows 95 or a later version.*



The EW computer control system offers three weaving modes. Fast mode closes the shed on one pick and opens the next one by pressing the pedal. Slow mode opens the shed with one press of the pedal and closes the shed with another press. Normal mode allows the weaver to keep the shed open as long as the pedal is depressed. Sheds are also even throughout all of the shafts as the system automatically compensates for shafts that are further from the weaver.



Computer control models are available in a variety of configurations; Models EW16W, EW16W SUPER, EW24W and EW32W are available for 16, 24 and 32 shaft applications respectively and can be adapted to most existing Toika looms. Twenty years of development and improvements gives weavers a well tested and dependable system.

*The computer controlled looms allow the weaver to spend more time planning projects and designing patterns while essentially eliminating treadling and tie-up errors. And the elimination of treadling fatigue means many more hours of enjoyment at your loom.*





## LAILA (4183)

The Laila loom is designed for weavers who do not have enough space for a very large loom or who want an additional loom for sampling or experimental projects. The Laila loom is suitable for weaving all types of fabrics except rugs.

Laila can be folded with the warp in place and it occupies very little space when being stored or transported. The Laila bench (4186), which is especially proportioned for this loom, is available separately.

Laila comes equipped with 6 shafts and 6 treadles.

Weaving width	Total width	Weight
70 cm	103 cm	30 kg
27 ½"	40 ½"	65 lbs

Height	Depth	With bench	Depth folded
120 cm	85 cm	115 cm	60 cm
47 ¼"	33 ½"	45 ¼"	23 ⅝"

*Laila is a small counter-march loom that can be folded even with the warp in place.*





## LEENA (4111 and 4311)

Leena is a table loom for weaving light items such as scarves, table runners, pillowcases, towels, small rya rugs, etc. Table looms are especially useful for teaching, sampling, and in small house situations where space is at a premium.

The shafts are raised by top mounted locking action levers which are light and smooth in operation. Spring assisted shaft returns provide a clear working shed. Leena is available at 60 cm (23 5/8") weaving width with 4 (4111) or 8 shafts (4311). The loom is delivered with a reed, 200 heddles and 2 flat shuttles.



*Leena can be mounted on a table or on a loom stand (4112) available as an optional extra.*



Weaving width	Total width	Weight
60 cm	73 cm	10 kg
23 5/8"	28 3/4"	22 lbs

Height (4)	Height (8)	Depth
46 cm	64 cm	79 cm
18 1/8"	25 1/4"	31 1/8"

LOOM STAND	
Height	Weight
55 cm	2 kg
21 5/8"	4,5 lbs

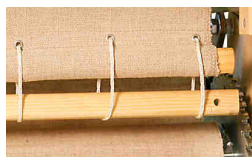
**LOOM BENCHES: EEVA, LIISA and LAILA**

Eeva benches are adjustable, come in two sizes and fit all the Toika looms. The Laila bench fits the Laila and Jaana looms as well as the Leena table loom when equipped with a stand. The Liisa benches - traditional non adjustable - fit both the Liisa and Eeva looms. A storage box (4484) is available for the Eeva 80 and Liisa 80 bench.



Item #	Bench	Width	Height	Width	Height
4466	EEVA 60	60 cm	adjustable	23 5/8"	adjustable
4488	EEVA 80	80 cm	adjustable	31 1/2"	adjustable
4186	LAILA	50 cm	58 cm	19 5/8"	22 7/8"
4450	LIISA 50	50 cm	67 cm	19 5/8"	26 3/8"
4480	LIISA 80	80 cm	67 cm	31 1/2"	26 3/8"
4415	LIISA 105	105 cm	67 cm	41 3/8"	26 3/8"

**COG WHEEL WARP RELEASE SYSTEM (1445, EEVA and LIISA):** With this useful device the weaver can release and control the warp tension without getting up from the bench. Cog wheels are standard on looms sold in the USA.

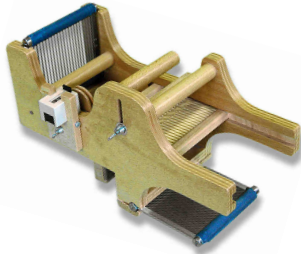
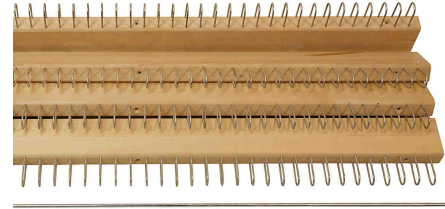


**BEAM APRONS (1400-1492):** Beam aprons are available for looms in all sizes. We deliver beam aprons with finished edges and, on request, with eyelets for cords (1406).



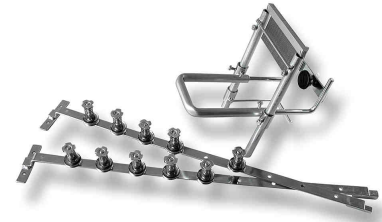
**WARP STICKS (4100-4190):** Warp sticks are available in weaving widths 70, 80, 100, 120, 150 and 185 cm (27 1/2", 31 1/2", 39 3/8", 47 1/4", 59" and 72 7/8"). They are delivered in bunches of 50 pcs.

**SECTIONAL WARP BEAM (1451-1458, EEVA, LIISA and JAANA):** When you are using a sectional warp beam, you wind the warp direct to the beam in sections. A sectional warp beam is a standard beam mounted with four rails, which have metal loops every two centimeters (or 1") for dividing the warp into sections. The measure around the sectional warp beam is 75 cm (29 ½"). Rails are also available separately.



**LOIMI TENSION BOX FOR SECTIONAL WARPING (4491):** For sectional warping a tension box is needed to keep the warp threads taut and in order. The box is fastened to the back beam of the loom. One of the warp threads goes round the tension box's counter to give the length of the warp. In case you need to undo part of the warp, the counter will compensate for the length undone.

**DRAGE TENSION DEVICE FOR SECTIONAL WARPING (1710):** A different kind of tension device for sectional warping. Keeps the threads taut and in order. No counter included.



**DOUBLE WARP BEAM AND DOUBLE BACK BEAM (4308-4408, EEVA and LIISA):** An extra warp beam can be fastened to the Eeva and Liisa looms, enabling you, for instance, to create warp patterns. Any loom with two warp beams should also have two back beams to prevent the yarns from clinging to each other.

**WARP BEAM WITH FLANGE (EEVA and LIISA):** If you want to use extra long warps, a warp beam with a flange is convenient. The beam is fitted to the loom with supporting pieces, which makes it possible and easy to remove the beam for specialist warping operation.

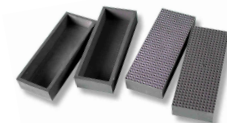


**FLY SHUTTLE DEVICE (4320-4321, EEVA and LIISA):** A fly shuttle device increases the speed of weaving. The device is attached to the beater. It can be fitted to a Liisa or Eeva loom with weaving width 100, 120 or 150 cm (39 3/8", 47 1/4" or 59") with hanging or underslung beater. A special fly shuttle is used with the fly shuttle device.

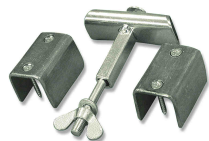


*The fly shuttle device for the hanging beater is in one piece and for the underslung beater in two pieces.*

**RUBBER FEET (1160, EEVA and LIISA):** Rubber feet prevent the loom from sliding on the floor. Size: 42 x 120 mm (1 5/8" x 4 3/4"). They are included in the delivery of a new Eeva or Liisa loom.



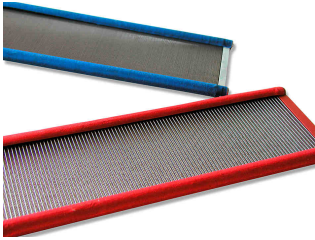
**RUBBER STOPPERS (1161, EEVA, LIISA and JAANA):** Rubber stoppers prevent the beater from hitting the side parts of the loom, when using an underslung beater. These are mounted in pre-drilled location holes in the side frames.



**LOCKING DEVICE FOR TWO EXTRA LONG TREADLES (1118, EEVA and LIISA)**  
This device is used for locking treadles in a wide loom together with extra long treadles. It is fastened on the front rail and holds two extra long treadles.



**HOLDERS FOR SHAFTS (1446, EEVA and LIISA):** Hang these holders at the back of your loom to keep extra shafts, treadles, lamms and warp sticks in order.



### TRADITIONAL REEDS (3020060-3120200)

Toika has been making reeds for over 110 years. Today reeds are usually made of stainless steel but are made in the traditional way using the best possible raw materials. Specially treated yarn is used as a binder to keep the dents in place. The height of the reed is 11,7 cm (4 5/8"). The reeds are packed in plastic covers and thus protected against dust and humidity during storage and transport. Please specify length and number, when ordering a reed. Reed number indicates the number of dents in 10 cm (Europe) or per inch (USA).



### PROFILE REEDS (6020-6070, 7020-7099)

Profile reeds are manufactured in metal and are the latest in reed technology. These are extra sturdy reeds for hard use and easy storage. Order by length and dents per 10 cm or inch.

Standard reed numbers (dents/10 cm) are 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110 and 120. Standard reed numbers (dents/inch) are 6, 8, 10, 12, 15 and 18.

Standard lengths are 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 185 and 200 cm (from 23 5/8" to 78 3/4").

*On request we also manufacture numbers and lengths other than the above mentioned. It is also possible to make reeds of a greater height and of a thicker dent section.*

### REED STAND (3001)

The reed stand neatly organizes and stores a variety of different reeds in a standing position. The varnished stand holds over 50 reeds.



**RADDLE, model A (3155-3300)**

Raddle A is an open reed, which is inserted in the beater for beaming. The height is 8 cm (3 1/8") and pin length 6 cm (2 3/8"). The distance between pins is 1 cm (3/8"). Available in all widths.

**RADDLE WITH CAPE, model B (3080-3188)**

Raddle B is covered with a cape. It is suspended from the back side of the castle with cords when beaming. The raddle height without cape is 10,5 cm (4 1/8") and with cape 13,5 cm (5 3/8"). The distance between pins is 1 cm (3/8"). Available in weaving widths 80, 100, 120, 150, 185 and 200 cm (31 1/2", 39 3/8", 47 1/4", 59", 72 7/8" and 78 3/4").



**BOBBIN WINDERS**

**BOBBIN WINDER (1418-1419)**

- \* weight 430 g (15 oz), rotation ratio 1:18, brass wheel
- \* with normal (B 1418) or heavy spindle (B2 1419)



**ELECTRIC BOBBIN WINDER (3410)**

- \* weight about 3 kg (6 1/2 lbs)
- \* the bobbin winder is mounted on a heavy wooden base block
- \* the electrical bobbin winder is delivered with a clamp, a wooden motor support and an adjustment key
- \* power 90 W, electricity 220 V



**BALL WINDER (1964)**

- \* handy tool for weavers and knitters
- \* winds approximately 100 g (4 oz) balls



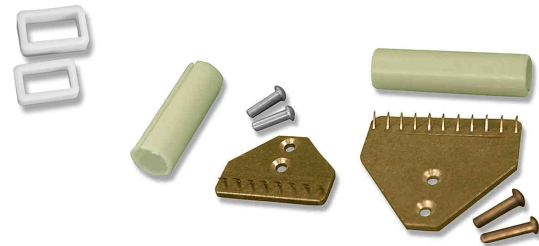
## METAL STRETCHERS

Stretchers or temples are used for keeping the fabric edges straight. Metal stretchers are easy to adjust and because of the strength of steel, cover very little of your warp, resulting in fewer movements and more visibility. Our stretchers are made of steel and lengths range from 15 cm to 240 cm (5  $\frac{7}{8}$ " to 94  $\frac{1}{2}$ ").

Metal pin plates and plastic locking pieces are available also separately in two sizes: small for stretchers with first size 15-90 cm (5  $\frac{7}{8}$ " - 35  $\frac{3}{8}$ ") and large for stretchers with first size 100-150 cm (39  $\frac{3}{8}$ " - 59").



Item #	Size (cm)	Colour	Size (inches)
3505	15 - 20 cm	yellow	5 $\frac{7}{8}$ - 7 $\frac{7}{8}$ "
3520	20 - 27 cm	orange	7 $\frac{7}{8}$ - 10 $\frac{5}{8}$ "
3530	30 - 43 cm	red	11 $\frac{7}{8}$ - 16 $\frac{7}{8}$ "
3540	40 - 60 cm	violet	15 $\frac{3}{4}$ - 23 $\frac{5}{8}$ "
3550	50 - 70 cm	blue	19 $\frac{3}{4}$ - 27 $\frac{1}{2}$ "
3560	60 - 95 cm	green	23 $\frac{5}{8}$ - 37 $\frac{3}{8}$ "
3570	70 - 105 cm	yellow	27 $\frac{1}{2}$ - 41 $\frac{3}{8}$ "
3580	80 - 130 cm	orange	31 $\frac{1}{2}$ - 51 $\frac{1}{8}$ "
3590	90 - 150 cm	red	35 $\frac{3}{8}$ - 59"
3510	100 - 160 cm	violet	39 $\frac{3}{8}$ - 63"
3512	120 - 190 cm	blue	47 $\frac{1}{4}$ - 74 $\frac{3}{4}$ "
3515	150 - 240 cm	green	59 - 94 $\frac{1}{2}$ "



*Parts are also available separately.*

**RUG SHUTTLES, WOODEN (1630-1680)**

- \* varnished, wooden rug shuttles
- \* lengths 30, 40, 50, 60, 70 and 80 cm (11 7/8", 15 3/4", 19 3/4", 23 5/8", 27 1/2" and 31 1/2")

**RUG SHUTTLES, PLASTIC (1651 & 1661)**

- \* plastic rug shuttles
- \* lengths 50 and 60 cm (19 3/4" and 23 5/8")

**BOAT SHUTTLES WITH ROLLERS**

- \* varnished shuttle with rollers (4632, 4638 and 4642)
- \* lengths 32, 38 and 42 cm (12 5/8", 15" and 16 1/2")

**DOUBLE SHUTTLE (4644)**

- \* varnished shuttle with rollers for two bobbins
- \* length 40 cm (15 3/4")

**FLY SHUTTLE (4652)**

- \* wooden shuttle with metal tips and rollers
- \* length 37 cm (14 5/8")

**POPPANA SHUTTLES**

- \* varnished rug shuttle with disk (4640)
- \* varnished shuttle with disk and rollers (4630)
- \* length 40 cm (15 3/4")

**FLAT SHUTTLES (4620, 4625 & 4650)**

- \* lengths 20, 30 and 50 cm (7 7/8", 11 7/8" and 19 3/4")

**BOAT SHUTTLES WITHOUT ROLLERS**

- \* varnished shuttle without rollers (4622, 4628 and 4634)
- \* lengths 22, 28 and 34 cm (8 5/8", 11" and 13 3/8")

**DAMASK SHUTTLE (4635)**

- \* low shuttle without rollers for small sheds
- \* length 32 cm (12 5/8")

**QUILLS (1632 and 1652)**

- \* made of cardboard
- \* lengths 11,5 cm and 12 cm (4 1/2" and 4 3/4")





**WARPING MILLS (4720, 4730 and 4740)**

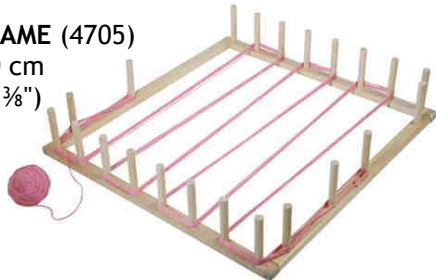
- \* vertical floor model, varnished
- \* ball bearings ensure smooth rotation
- \* the boards holding the lease pegs are easily detachable and locked into position without screws
- \* the wooden frame can be detached and folded to take little storage space
- \* the warping mill can also be dismantled to take even less storing space
- \* sturdy stand with adjustable legs and metal stays to ensure stability

Item #	Circumf.	Height	Weight
4720	2 m	120 cm	27 kg
4730	3 m	150 cm	35 kg
4740	4 m	180 cm	43 kg
4720	78 ¾"	47 ¼"	60 lbs
4730	118 ⅛"	59"	78 lbs
4740	157 ½"	70 ⅞"	96 lbs



**WARPING FRAME (4705)**

- \* size 90 x 90 cm (35 ¾" x 35 ¾")
- \* 21 pegs



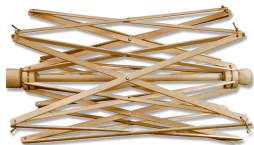
**WARPING PEGS (4710)**

- \* suitable for short and narrow warps
- \* clamps are included for mounting the pegs on a tabletop



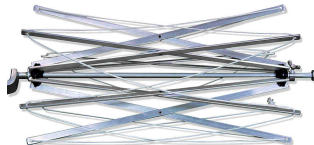
**FOLDING SWIFT A (3710)**

- \* wooden axle and slats



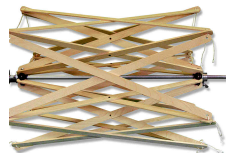
**FOLDING SWIFT B (3730)**

- \* metal axle and slats  
of metal and cord



**FOLDING SWIFT C (3720)**

- \* metal axle and  
wooden slats



**UPRIGHT SWIFT (4750)**

- \* can hold two skeins simultaneously  
(two extra rollers required)
- \* height 140 cm (55 1/8")
- \* width 40 cm (15 3/4")
- \* weight 5 kg (11 lbs)
- \* width of rollers 24 cm (9 1/2")



**SWIFT STAND (4724)**

- \* sturdy floor model
- \* holds four folding swifts
- \* height 170 cm (67")



**CONE HOLDER (1711)**

- \* for one cone
- \* adjustable



**SPOOL RACK (4714)**

- \* sturdy floor model, varnished
- \* height 82 cm (32 1/4")
- \* width 45 cm (17 3/4")
- \* distance of rods 9,5 cm (3 3/4")
- \* spool space 16,5 cm (6 1/2")
- \* holds 14 spools (1770)



**CONE STAND (4760)**

- \* varnished, holds 10 cones
- \* distance of rods 15 cm (5 7/8")
- \* length 113 cm (44 1/2"), height  
122 cm (48") & depth 50 cm (19 5/8")
- \* its design ensures smooth  
unwinding of yarn from cones
- \* two guides for each yarn
- \* wedges enable easy assembly



**SPOOLS (1770)**

- \* length 15,5 cm (6 1/8")
- \* yarn space 11,5 cm (4 1/2")

### TIE-UP CORD, LINEN (1831 and 1852)

- \* linen cord for the tie-up of a loom
- \* ball holds appr. 100 g
- \* available in two sizes: number 4 (thicker) and number 6 (thinner)



### POLYESTER CORD SET (1850)

- \* holds a cone of 50 m (19 5/8") polyester cord and 50 straight & 50 anchor pegs
- \* the pegs replace the knots in linen cords
- \* instructions are included in the package
- \* polyester cord and pegs are also available separately



### READY CUT POLYESTER CORD SETS

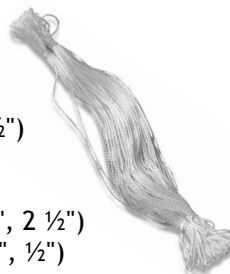
The ready cut polyester cord sets include pre-cut pieces of cord, anchor pegs and instructions in colours.

- \* LIISA 4, 8 or 12 shafts, countermarch (1842-1844)
- \* EEVA 4, 8 or 12 shafts, countermarch (1846-1848)
- \* JAANA 4 or 8 shafts, countermarch (1840-1841)
- \* LAILA 6 shafts, countermarch (1849)
- \* EEVA 4 shafts, counterbalance (1866)



### POLYESTER HEDDLES

- \* machine made, non-stretching and durable
- \* delivered in bundles of 100 pieces
- \* heddles for Leena table loom (1820): 22 cm/1.2 cm (8 5/8", 1/2")
- \* heddles for floor looms (1828): 28 cm/1.2 cm (11", 1/2")
- \* heddles for computer looms (1834): 33 cm/1.2 cm (13", 1/2")
- \* long-eyed heddles for draw looms (1833): 33 cm/6.4 cm (13", 2 1/2")
- \* pattern heddles for draw looms (1854): 54 cm/1.2 cm (21 1/4", 1/2")



### HEDDLE BLOCK (1860)

- \* for making heddles
- \* length of eye 2 cm (3/4")



**REED HOOK (3909-3910)**

- \* for sleying
- \* made of plastic (3909) or fiberboard (3910)



**THREADING HOOK (3905)**

- \* for threading the loom cord
- \* easy-grip wooden handle



**HEDDLE HOOK (3920)**

- \* for threading the warp ends through the heddles



**TAPESTRY FORK (4113)**

- \* easy-grip wooden handle with metal needles
- \* for making tapestries



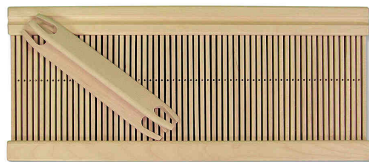
**TAPESTRY BOBBIN (3900)**

- \* made of fiberboard
- \* for making rya rugs, tapestries or transparencies



**BAND REED (4940-4942)**

- \* varnished, height 17,5 cm (6 7/8")
- \* small (4940): width 19 cm/59 ends (7 1/2")
- \* large (4941): width 41 cm/123 ends (16 1/8")
- \* 2 flat shuttles and instructions included
- \* also available with warp (4942)



**BAND BRICKS (4945)**

- \* made of plywood
- \* size 7 x 7 cm (2 3/4" x 2 3/4")
- \* in bundles of 10 pieces



**SKEIN WINDER (1760)**

- \* for winding yarn into skeins
- \* height 100 cm (39 3/8")
- \* diameter of skein 60 cm (23 5/8")
- \* weight approx. 3 kg (6 1/2 lbs)

**HAND CARDERS (3091)**

- \* hand carders with leather bottom
- \* curved backs and easy-grip handles
- \* size of toothed surface approx. 10 x 19 cm (3 7/8" x 7 1/2")



**LINEN YARN (100 % flax)**

- \* 4/1 (413 tex), wet-wound, approx. 1 kg/cone, unbleached (1904) and ½-bleached (1905)
- \* 12/1 (137 tex), wet-spun, approx. 1 kg/cone, unbleached (1906) and ½-bleached (1907)



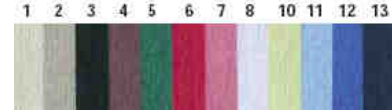
**LINEN TOW YARN (100 % flax tow)**

- \* 6/1 (280 tex), wet-spun, approx. 1 kg/cone, unbleached (1908) and ½-bleached (1909)
- \* 6/1 (280 tex), wet-spun, 250 g/spool, coloured (1910)
- \* 8/1 (206 tex), wet-spun, approx. 1 kg/cone, unbleached (1911) and ½-bleached (1912)



**SEINE TWINE (100 % cotton, 30x6,30x12,30x15 tex)**

- \* unbleached, 6-, 12- and 15-ply, 500 g/spool or 1.8 kg/cone
- \* black, 6-, 12- and 15-ply, 500 g/spool or 1.8 kg/cone
- \* linen, 6-, 12- and 15-ply, 500 g/spool or 1.8 kg/cone
- \* coloured, 6-ply, 500 g/spool (1864)



**POPPANA (1881)**

- \* bias-cut cotton fabric
- \* 50-60 g/roll



**PAPER: CORD, YARN AND TAPE**

- \* paper cord (0.8), 1140 tex, 200 g/skein (= 175 m) (1891, 1902)
- \* paper yarn (1.65), 547 tex, 100 g/skein (= 180 m) (1877, 1903)
- \* paper tape (0.8, flat), 300 g/skein (= 276 m) (1816,1817)



**JUTE**

- \* jute yarn (thin), 330x2 tex, 500 g/cone (1873)
- \* jute yarn (thick), 280x8 tex, 500 g/cone (1874)





**MERCERIZED COTTON**

- \* 59x2 tex (10/2), 450 g/cone, natural, white & black (1875)
- \* 118x2 tex (5/2), 450 g/cone, solid colours (1896)
- \* 118x2 tex (5/2), 450 g/cone, space-dyed colours (1900)



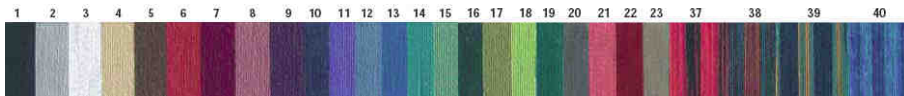
**CHENILLE (100 % rayon)**

- \* 342 tex
- \* 120 g/spool (= 350 m)
- \* solid colours (1892)
- \* space-dyed colours (1893)



**TENCEL (100 % lyocell)**

- \* 74x2 tex (8/2)
- \* 120 g/spool (= 810 m)
- \* solid colours (1919)
- \* space-dyed colours (1920)



**RUSKA (1888, 100 % wool)**

- \* 1515 tex, 200 g/skein



**BERKSHIRE BULKY (1916, 85 % wool, 15 % alpaca)**

- \* 100 g/ball (= 97 m)



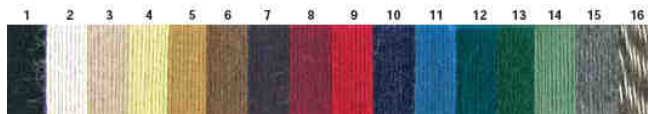
**JULIA (1804, 80 % fine alpaca, 20 % silk)**

- \* 4.8 Nm (10/2), 50 g/ball (= 100 m)



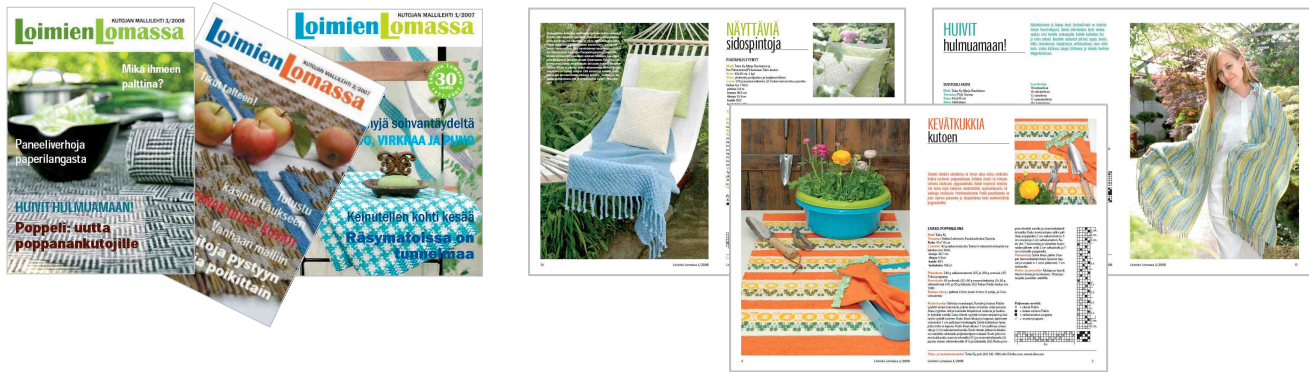
**NATASHA (1800, 100 % fine alpaca)**

- \* 3.6 Nm (10/2), 50 g/ball (= 100 m)



## LOIMIEN LOMASSA

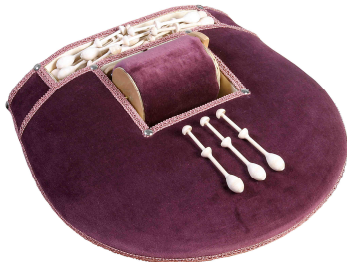
In our weaver's magazine, LOIMIEN LOMASSA, you will find inspiring weaving patterns with instructions. It is published in Finnish and appears twice a year (in spring and autumn).



## EQUIPMENT FOR BOBBIN LACE

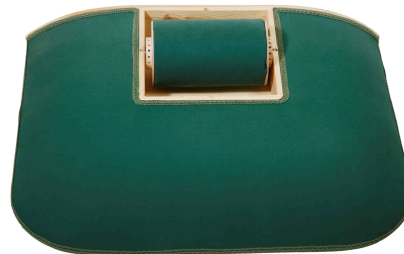
### SET FOR MAKING LACE (1608)

- \* Set includes small pillow, 50 small bobbins & bag



### PILLOW FOR MAKING LACE (1617)

- \* traditional Finnish pillow
- \* with 17 cm roll (6 5/8")



### LACE BOBBINS (1611)

- \* in bundles of 10 pieces
- \* length 11 cm (4 3/8")



