



# Warp Knitting Machine Spare Parts Catalogue

Beijing Huaxiatex Co. Ltd. | 630 parts across 30 categories

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Karl Mayer, LIBA, KFD and compatible warp knitting machines

Knitting elements, long bars, piezo guides, lubrication and drive parts

Warping machine creels, tensioners, stop motions and rollers

Long bars for HKS, KS, RSE, MRSS, MSUS, RSMSUS, HDR5 and RD4

Highest gauge produced E36, 36 slots per inch

Quick delivery for any order, even for a small order size

Generated from huaxiatex.com. Every reference in this catalogue matches the reference published on the website.

## WARP KNITTING MACHINE PARTS

# Guide, Sinker And Tongue Assemblies

Complete cast assemblies of guides, sinkers and tongues.

**39 parts listed**

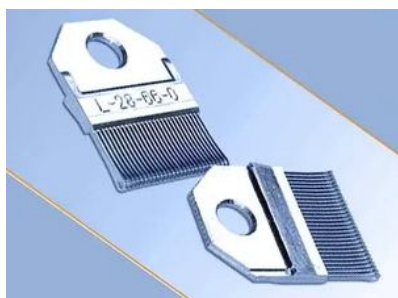
A warp knitting machine forms every loop with three elements working against the needle: the guide lays the yarn across it, the sinker holds the fabric down while the needle rises, and the tongue closes the hook so the old loop can be cast off. On modern machines these elements are not fitted singly but cast into short assemblies that bolt onto the bar, so a worn section is changed as one block.

Because the three elements meet at the loop, a fault in one shows up as the same defect as a fault in the others. Streaks, dropped stitches and press-off usually mean the assembly has lost its setting, is bent, or has worn a groove where the yarn runs.

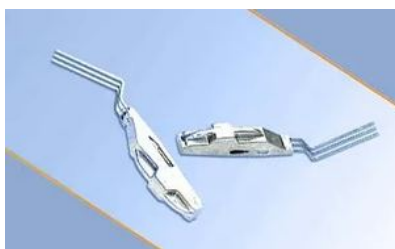
### Category specification

|                |                                                       |
|----------------|-------------------------------------------------------|
| Element type   | <b>Guide, sinker and tongue assemblies</b>            |
| Machine brands | <b>Karl Mayer, LIBA and compatible</b>                |
| Gauge          | <b>Stated per item where the reference carries it</b> |

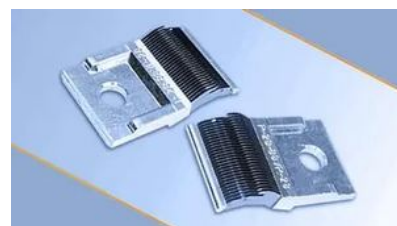
## Guide, Sinker And Tongue Assemblies



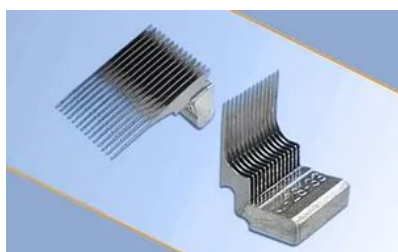
**L-28-66-0**  
Item No. 106



**28E, 32E**  
E28



**P-28-28VP-28**  
Item No. 116



**C-28-33**  
Item No. 120



**3-70-20K E32**  
E32



**ML-32-93-0**  
Item No. 544



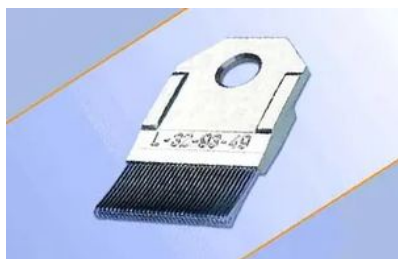
**ML-32-92P-0**  
Item No. 546



**KB-35-0-3**  
Item No. 551



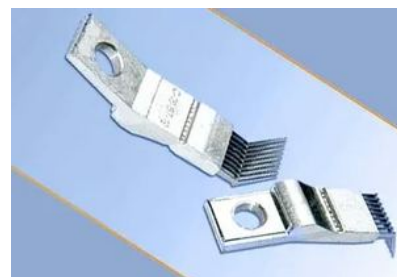
**S-18-21-19**  
Item No. 552



**L-32-93-49**  
Item No. 107



**C-24-67-18**  
Item No. 109



**C-18-67-19**  
Item No. 114

## Guide, Sinkers And Tongue Assemblies



**28E 3-05-4**  
E28



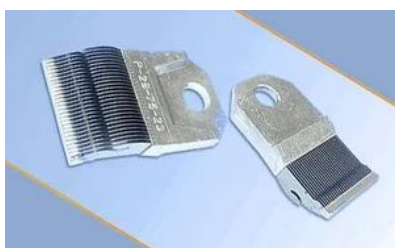
**C-6/6-55-11**  
Item No. 111



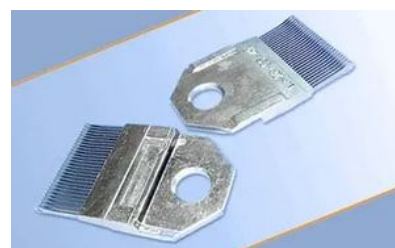
**L-18/2-39/3-47/1**  
Item No. 110



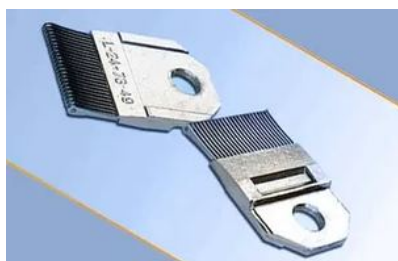
**C-18-67-8**  
Item No. 112



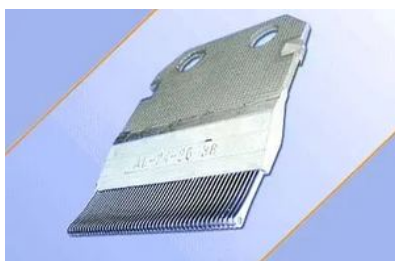
**P-28-75-23**  
Item No. 117



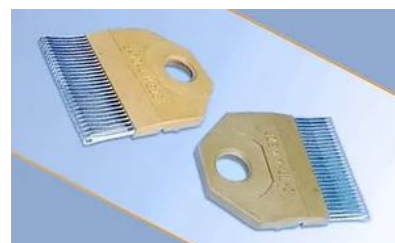
**L-28-66-49**  
Item No. 118



**L-24-73-49**  
Item No. 119



**AL-24-26-38**  
Item No. 108



**3-70-4K E28**  
E28



**L-32-93-67**  
Item No. 545



**ML-32-92H-0**  
Item No. 547



**ML-28-93-49 PLASTIC**  
Item No. 548

## Guide, Sinkers And Tongue Assemblies



**ML-28-93-49**  
Item No. 549



**KB-24-2-1**  
Item No. 550



**KH-36-4-3**  
Item No. 573



**S-18-5-3**  
Item No. 566



**LIBA 4-10-9 50**  
Item No. 574



**KH-24-4H-8**  
Item No. 575



**8-30V-11 LIBA E28**  
E28



**LJ-14-24-18**  
Item No. 599



**Tongue Unit**  
Item No. 583



**Tongue Units 32E 68C**  
E32



**S-20-37-22**  
Item No. 605



**S-28-12-8**  
Item No. 606

## Guide, Sinker And Tongue Assemblies



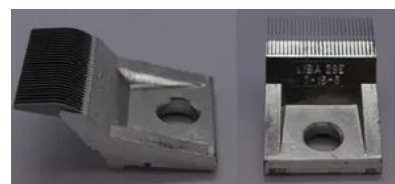
**S-24-11-3**

Item No. 607



**3-58-4 LIBA 32E**

E32



**LIBA 28E 7-15-5**

E28

## WARP KNITTING MACHINE PARTS

# Raschel Latch Needles

Latch needles for raschel warp knitting machines.

**23 parts listed**

A latch needle closes its own hook. The old loop, riding up the shank as the needle rises, swings the latch open; on the downstroke the same loop swings the latch shut over the new yarn and is cast off. Nothing else has to move to close the hook, which is why raschel machines can run coarse gauges and heavy yarns with a simple drive.

Latch needles are specified by the reference on the needle itself, which fixes the hook size, the latch length, the shank form and the overall length. Two needles that look alike can differ by a fraction of a millimetre in the latch seat and will not run together in the same bar.

## Category specification

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Element type     | <b>Latch needle</b>                                    |
| Reference format | <b>Raschel-Spec, followed by the needle dimensions</b> |
| Supply           | <b>Matched sets for a full bar, or part quantities</b> |

## Raschel Latch Needles



**Raschel-Spec 27.60**

Item No. 1665



**Raschel-Spec 35.60G03**

Item No. 1666



**Raschel-Spec 39.65G07**

Item No. 1667



**Raschel-Spec 42.60**

Item No. 1668



**Raschel-Spec 44.65**

Item No. 1669



**Raschel-Spec 44.75G08**

Item No. 1671



**Raschel-Spec 44.75G02**

Item No. 1670



**Raschel-Spec 44.96 G01**

Item No. 1672



**Raschel-Spec 45.65**

Item No. 1673



**Raschel-Spec 45.95**

Item No. 1674



**Raschel-Spec 46.82**

Item No. 1675



**Raschel-Spec 50.65G01**

Item No. 1676

## Raschel Latch Needles



**Raschel-Spec 50.75G01**

Item No. 1678



**Raschel-Spec 51.65**

Item No. 1679



**Raschel-Spec 51.75**

Item No. 1681



**Raschel-Spec 51.70**

Item No. 1680



**Raschel-Spec 51.80**

Item No. 1682



**Raschel-Spec 51.95**

Item No. 1683



**Raschel-Spec 53.65**

Item No. 1684



**Raschel-Spec 54.75**

Item No. 1686



**Raschel-Spec 56.65**

Item No. 1687



**Raschel-Spec 56.75**

Item No. 1688



**Raschel-Spec 53.75**

Item No. 1689

## WARP KNITTING MACHINE PARTS

# Compound Needles

Two-piece compound needles for high speed tricot machines.

### 19 parts listed

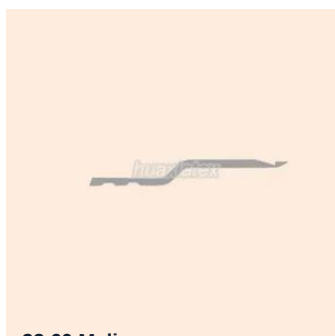
A compound needle splits the job in two: an open hook and a separate closing element, usually called the closing wire or tongue, that slides in a groove along the needle. The hook and the closing element are driven independently, so the needle stroke can be much shorter than a latch needle needs.

A short stroke is what allows a tricot machine to run at high speed. It also means the hook and the closing element must stay matched. If the closing element is worn, bent or from a different set, the hook will not close cleanly and the machine drops stitches at speed even though it runs quietly slow.

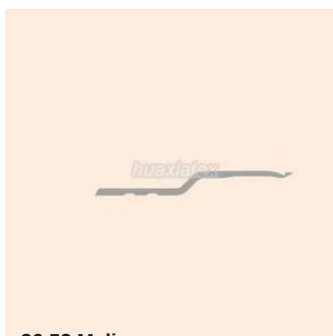
### Category specification

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Element type     | <b>Compound needle</b>                                               |
| Reference format | <b>Spec code with needle dimensions, for example Spec 51.50 G104</b> |
| Supply           | <b>Needle and closing element quoted together</b>                    |

## Compound Needles



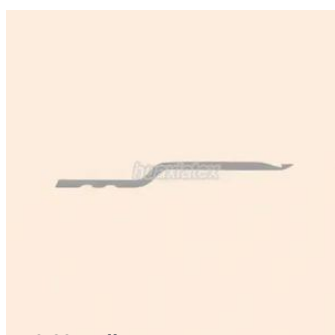
**Spec 33.60 Malimo**  
Item No. 2613



**Spec 36.52 Malimo**  
Item No. 2614



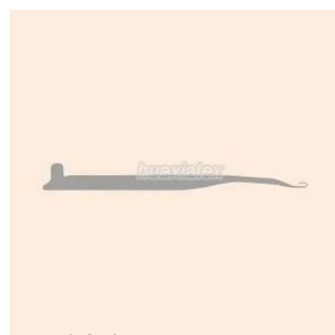
**Spec 38.45 G105**  
Item No. 2615



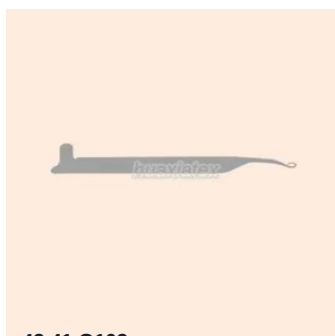
**Spec 40.60 Malimo**  
Item No. 2616



**Spec 41.50 G102**  
Item No. 2617



**Spec 41.50 G104**  
Item No. 2618



**Spec 43.41 G103**  
Item No. 2619



**Spec 43.45 G105**  
Item No. 2620



**Spec 50.55 G3**  
Item No. 2621



**Spec 50.65 G3**  
Item No. 2622



**Spec 50.75 G5**  
Item No. 2623



**Spec 50.100 G5**  
Item No. 2624

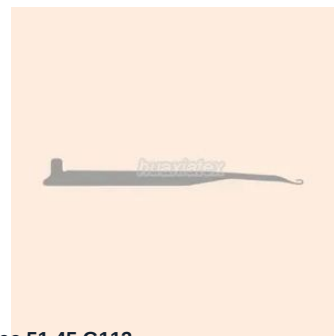
## Compound Needles



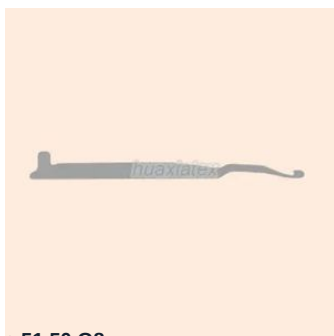
**Spec 50.120 G5**  
Item No. 2625



**Spec 51.45 G104**  
Item No. 2626



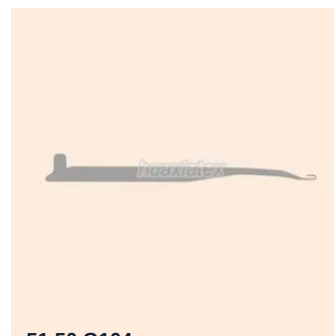
**Spec 51.45 G113**  
Item No. 2627



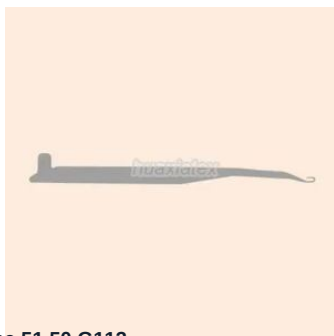
**Spec 51.50 G8**  
Item No. 2628



**Spec 51.50 G11**  
Item No. 2629



**Spec 51.50 G104**  
Item No. 2630



**Spec 51.50 G113**  
Item No. 2631

## WARP KNITTING MACHINE PARTS

# Tongue Units

Cast tongue units that close the needle hook.

**30 parts listed**

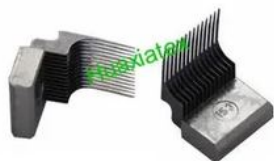
On a compound needle machine the tongue rides in the needle groove and closes the hook at the moment the old loop is cast off. The tongues are cast into short units so a bar can be rebuilt section by section.

Tongue wear is gradual and shows first as an occasional dropped stitch on one repeat of the fabric width. Because the tongue works inside the needle groove, a tongue that is even slightly proud will also score the needle, so tongue units and needles are usually inspected together.

### Category specification

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Element type     | <b>Cast tongue unit</b>                                   |
| Reference format | <b>C series references, and LIBA pin-count references</b> |
| Machine brands   | <b>Karl Mayer, LIBA and compatible</b>                    |

## Tongue Units



**C-28-33**  
Item No. 1740



**8-03C-11 E28**  
E28



**C-6/2-91-21**  
Item No. 1742



**C-12-32**  
Item No. 1743



**C-14-79-17**  
Item No. 1744



**C-14-95-1**  
Item No. 1745



**C-18-67-18**  
Item No. 1746



**C-18-67-19**  
Item No. 1747



**C-18-72-20**  
Item No. 1748



**C-24-29**  
Item No. 1749



**C-24-32**  
Item No. 1750



**C-24-51-19**  
Item No. 1751

## Tongue Units



**C-24-76/4-14**  
Item No. 1752



**C-24-81**  
Item No. 1753



**C-24-109-14**  
Item No. 1754



**C-28-18**  
Item No. 1755



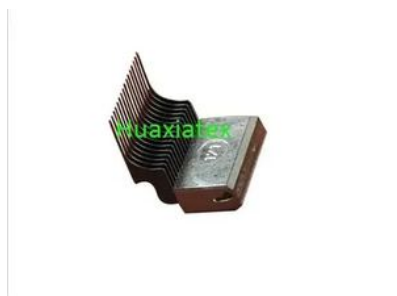
**C-28-30**  
Item No. 1756



**C-28-80**  
Item No. 1757



**C-32-62**  
Item No. 1758



**C-32-103**  
Item No. 1759



**LIBA E28 3PINS**  
E28



**LIBA E32 68C 6PINS**  
E32



**LIBA E32 3PINS**  
E32



**C-6-55-11**  
Item No. 1763

## Tongue Units



**C-14-95-18**  
Item No. 1764



**C-18-76-14**  
Item No. 1765



**C-18-89/4-18**  
Item No. 1766



**C-18-111-17**  
Item No. 1767



**C-28-119P-27**  
Item No. 1768



**C-12/2-72-20**  
Item No. 1769

## WARP KNITTING MACHINE PARTS

# Guide Units

Cast guide units that lap the yarn around the needle.

**52 parts listed**

Guides are the thin blades with an eye at the tip that carry the warp yarn. The guide bar swings them through the needle line and shogs them sideways, and that combination of swing and shog is what decides the lapping and therefore the fabric structure.

Guides are cast into units so that a bar carrying several hundred guides can be built up and set as blocks. A bent guide, or one with a worn eye, puts a permanent line in the fabric at that needle, which is why guide units are usually the first thing checked when a vertical streak appears.

### Category specification

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| Element type     | <b>Cast guide unit</b>                                          |
| Reference format | <b>L, ML, KL, AL and DL series, and LIBA numeric references</b> |
| Machine brands   | <b>Karl Mayer, LIBA and compatible</b>                          |

## Guide Units



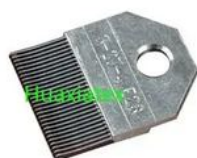
**LIBA 3-02-4 E26**  
E26



**LIBA 3-04-7 E32**  
E32



**LIBA 3-05-4 E28**  
E28



**LIBA 3-27-4 E28**  
E28



**LIBA 3-27-30 E28 II**  
E28



**LIBA 3-27-30 E28**  
E28



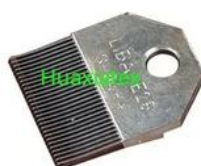
**LIBA 3-28-20A E20**  
E20



**LIBA 3-54-20A E28**  
E28



**LIBA 3-58-4 E28**  
E28



**LIBA 3-64-4 E28**  
E28



**LIBA 3-64-20B E32**  
E32



**LIBA 3-69-20 E28**  
E28

## Guide Units



**LIBA 3-70-4 E28**  
E28



**LIBA 3-70-4K E28**  
E28



**LIBA 3-70-20K E28**  
E28



**AL-18-6-38**  
Item No. 1785



**AL-18-23-58**  
Item No. 1786



**AL-24-26-38**  
Item No. 1787



**AL-24-93-70**  
Item No. 1788



**AL-28-93-37**  
Item No. 1789



**DL-18-17-9**  
Item No. 1790



**L-12-22-23**  
Item No. 1791



**L-14-73-0**  
Item No. 1792



**L-20-3-41**  
Item No. 1793

## Guide Units



**L-22-66-6**  
Item No. 1794



**L-22-93-6**  
Item No. 1795



**L-24/2-0-49**  
Item No. 1796



**L-24/2-84-63**  
Item No. 1797



**L-26-0-0**  
Item No. 1798



**L-28-66-0 II**  
Item No. 1799



**L-28-66-49 II**  
Item No. 1800



**L-28-66-65**  
Item No. 1801



**L-28-73-49**  
Item No. 1802



**L-28-93-0**  
Item No. 1803



**L-28-93-49**  
Item No. 1804



**L-32-93-67 II**  
Item No. 1805

## Guide Units



**ML-22-93-49**  
Item No. 1806



**ML-24-92P-0**  
Item No. 1807



**ML-28-92-0**  
Item No. 1808



**ML-28-92P-0**  
Item No. 1809



**ML-28-92P-49**  
Item No. 1810



**ML-28-93-0**  
Item No. 1811



**ML-28-93-49 II**  
Item No. 1812



**ML-32-92-0**  
Item No. 1813



**ML-32-92P-0 II**  
Item No. 1814



**KL-6/2-58-23**  
Item No. 1815



**KL-6/2-78-23**  
Item No. 1816



**KL-6/3-58-43**  
Item No. 1817

## Guide Units



**KL-24-93-49**  
Item No. 1818



**KL-28-92P-0**  
Item No. 1819



**KL-28-93-0/1**  
Item No. 1820



**KL-28-93-49**  
Item No. 1821

## WARP KNITTING MACHINE PARTS

# Pattern Needles And Jacquard Needles

Pattern and jacquard needles including the AF series.

### 15 parts listed

Pattern and jacquard needles are the elements a patterning mechanism acts on. Instead of every guide following the same shog, selected needles are deflected so a single guide bar can produce a figured ground.

The AF series listed on the original site is supplied in a range of lengths, from AF1-70 through to AF3-200, because the needle length has to suit the machine and the depth of the pattern mechanism. Quote the full reference including the length.

### Category specification

| Element type | Pattern needle, jacquard needle |
|--------------|---------------------------------|
| AF1 lengths  | 70, 100, 115, 135, 145, 170     |
| AF2 lengths  | 70, 100, 115, 135, 145, 170     |
| AF3 lengths  | 125, 140, 158, 200              |

## Pattern Needles And Jacquard Needles



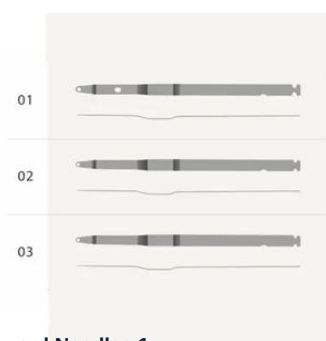
**Pattern Needle AFH-2-6-100-AP-6E-1V-2L**  
E6



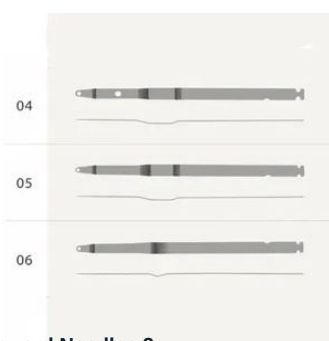
**Pattern Needle AF2-6-100**  
Item No. 2845



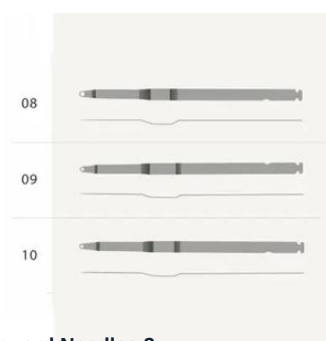
**AF1, AF2, AF3**  
Item No. 590



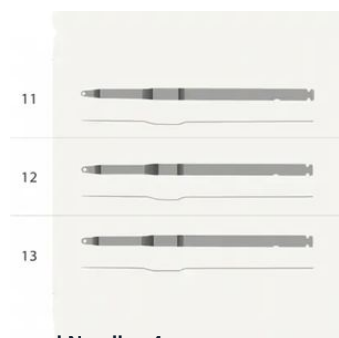
**Jacquard Needles 1**  
Item No. 2632



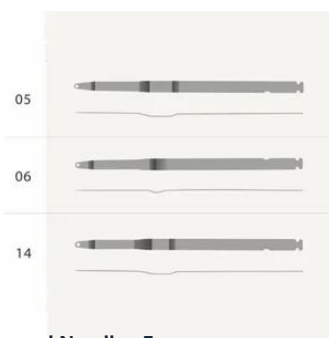
**Jacquard Needles 2**  
Item No. 2633



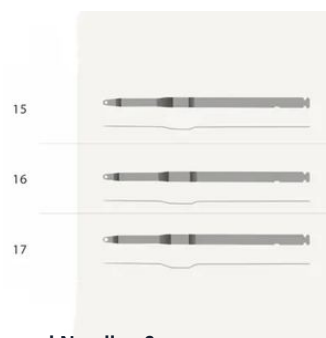
**Jacquard Needles 3**  
Item No. 2634



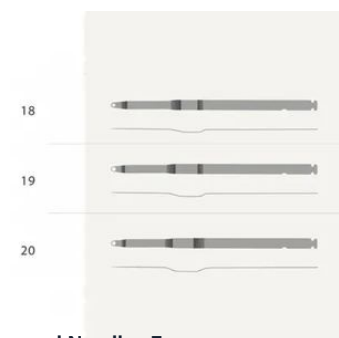
**Jacquard Needles 4**  
Item No. 2635



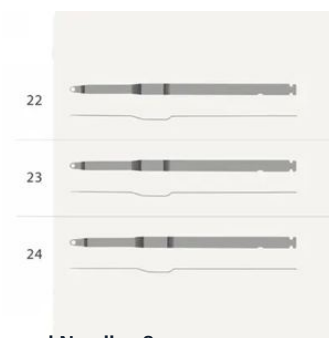
**Jacquard Needles 5**  
Item No. 2636



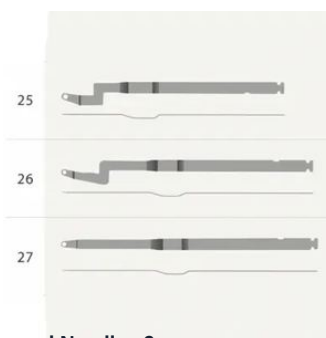
**Jacquard Needles 6**  
Item No. 2637



**Jacquard Needles 7**  
Item No. 2638

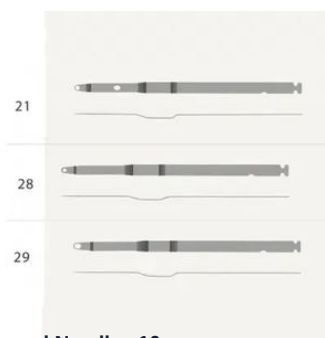


**Jacquard Needles 8**  
Item No. 2639



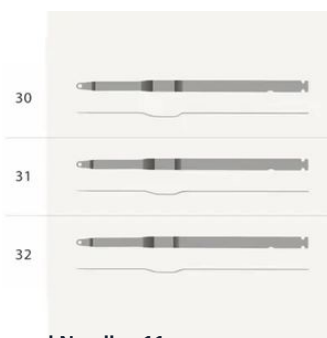
**Jacquard Needles 9**  
Item No. 2640

## Pattern Needles And Jacquard Needles



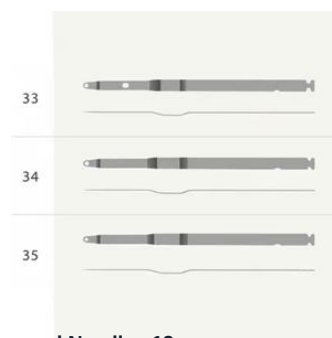
**Jacquard Needles 10**

Item No. 2641



**Jacquard Needles 11**

Item No. 2643



**Jacquard Needles 12**

Item No. 2644

## WARP KNITTING MACHINE PARTS

# Sinker Units

Cast sinker units that hold the fabric during knock-over.

**62 parts listed**

The sinker does two jobs. It holds the fabric down while the needle rises so the old loop does not lift with it, and its nose supports the loop during knock-over. On a tricot machine the sinker bar moves forward and back on every course, in time with the needle.

A worn or bent sinker lets the fabric lift, and the machine presses off. Because the sinker nose is thin and works against the fabric on every course, sinker units are among the highest wear items on the machine and are stocked as a running spare.

### Category specification

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Element type     | <b>Cast sinker unit</b>                                       |
| Reference format | <b>S and P series references, and LIBA numeric references</b> |
| Machine brands   | <b>Karl Mayer, LIBA and compatible</b>                        |

## Sinker Units



**LIBA 2-52-3 E28**  
E28



**LIBA 2-54-3 E28**  
E28



**LIBA 2-58-4 E28**  
E28



**LIBA 2-83-25 E28**  
E28



**2-154-27 E28**  
E28



**2-175-27 E28**  
E28



**2-184-34 E20**  
E20



**2-197-34B E28**  
E28



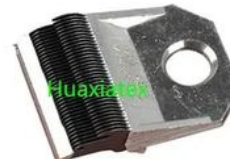
**2-198-34B E28**  
E28



**2-215-27 E28**  
E28



**2-216-27A E28**  
E28



**2-232-27A E36**  
E36

## Sinker Units



**6-93-40 E28**  
E28



**7-16-5 E32**  
E32



**7-38-5 E20**  
E20



**7-38-5 E24**  
E24



**P-14-68-19**  
Item No. 1841



**P-24X-77-24**  
Item No. 1842



**P-28-0-0**  
Item No. 1843



**P-28-5-0**  
Item No. 1844



**P-28-66/3V-33**  
Item No. 1845



**P-28-66-19**  
Item No. 1846



**P-28-66VP-47**  
Item No. 1847



**P-28-67-19**  
Item No. 1848

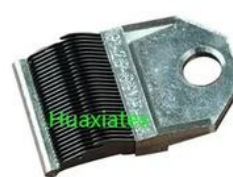
## Sinker Units



**P-2-75-23**  
Item No. 1849



**P-28-88VP-33**  
Item No. 1850



**P-28-88VP-43**  
Item No. 1851



**P-28-104VP-40**  
Item No. 1852



**P-28-110VP-44**  
Item No. 1853



**P-28-116VP-44**  
Item No. 1854



**P-28-130VP-54**  
Item No. 1855



**P-32-67-19**  
Item No. 1856



**P-32-67VP-47**  
Item No. 1857



**P-3-115VP-28**  
Item No. 1858



**S-6-85-22**  
Item No. 1859



**S-9-21-18**  
Item No. 1860

## Sinker Units



**S-12-4-11**  
Item No. 1861



**S-12-95-22**  
Item No. 1862



**S-16-8-14**  
Item No. 1863



**S-18-5-3 II**  
Item No. 1864



**S-18-21-19 II**  
Item No. 1865



**S-18-37-22**  
Item No. 1866



**S-18-37-54**  
Item No. 1867



**S-18-37-59**  
Item No. 1868



**S-18-67-34**  
Item No. 1869



**S-18-87-22**  
Item No. 1870



**S-18-88-22**  
Item No. 1871



**S-20-37-22 II**  
Item No. 1872

## Sinker Units



**S-22-14-42**  
Item No. 1873



**S-22-29-42**  
Item No. 1874



**S-22-70-42**  
Item No. 1875



**S-22-71-42**  
Item No. 1876



**S-24-11-3 II**  
Item No. 1877



**S-24-27-18**  
Item No. 1878



**S-24-27-19**  
Item No. 1879



**S-24-31-20**  
Item No. 1880



**S-24-98/3-59**  
Item No. 1881



**S-28-26-20**  
Item No. 1882



**S-28-89/3-55**  
Item No. 1883



**S-28-89-46**  
Item No. 1884

## Sinker Units



**S-32-69-35**  
Item No. 1885



**S-32-89/3-55**  
Item No. 1886

## WARP KNITTING MACHINE PARTS

# Trick Plate Units

Cast trick plate units that guide and space the needles.

**19 parts listed**

The trick plate carries the slots, or tricks, that hold the needles in line. It fixes the needle spacing across the width and keeps every needle square to the guide line, so the trick plate is what physically sets the gauge of the machine.

Trick plate wear opens the slot and the needle starts to move sideways. That shows as an irregular loop and, in the worst case, as a needle striking a guide. Trick plate units are cast in sections and replaced section by section.

### Category specification

|                  |                                                       |
|------------------|-------------------------------------------------------|
| Element type     | <b>Cast trick plate unit</b>                          |
| Reference format | <b>F series references</b>                            |
| Gauge            | <b>Stated per item where the reference carries it</b> |

## Trick Plate Units



**F-9-21-12**  
 Item No. 1887



**F-12-0-3**  
 Item No. 1889



**F-14-4-36**  
 Item No. 1891



**F-14-4-3**  
 Item No. 1890



**F-16-4/H-2**  
 Item No. 1892



**F-18-0-36**  
 Item No. 1893



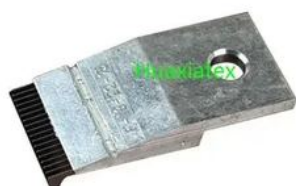
**F-18-3-2**  
 Item No. 1894



**F-18-3-3**  
 Item No. 1895



**F-18-3-36**  
 Item No. 1896



**F-18-22-15**  
 Item No. 1897



**F-20-1-36**  
 Item No. 1898



**F-24-1-2**  
 Item No. 1899

## Trick Plate Units



**F-24-1-3**  
Item No. 1900



**F-24-5-36**  
Item No. 1901



**F-24-23-15**  
Item No. 1902



**F-24-46-22V**  
Item No. 1903



**F-24-80-26**  
Item No. 1904



**F-28-73-41**  
Item No. 1905



**F-32-73-41**  
Item No. 1906

## WARP KNITTING MACHINE PARTS

# Separators

Separator units that keep needles apart across the width.

### 12 parts listed

Separators sit between needles and hold them at the correct spacing so that neighbouring needles cannot touch as the bar rises and falls. On fine gauge machines the separator is what keeps the needle line straight over the full working width.

Worn separators let the needle line wander. The fabric shows uneven loop length across the width rather than a single line, which is the way to tell separator wear from a single damaged element.

### Category specification

|                  |                                                 |
|------------------|-------------------------------------------------|
| Element type     | <b>Separator unit</b>                           |
| Reference format | <b>B, E, KB, KH, R and RT series references</b> |
| Machine brands   | <b>Karl Mayer, LIBA and compatible</b>          |

## Separators



**B-15-2-0**  
Item No. 1907



**B-16-2-1**  
Item No. 1908



**B-20-2-0**  
Item No. 1909



**E-34-0**  
Item No. 1910



**KB-20-2-1**  
Item No. 1911



**KB-28-0-3**  
Item No. 1912



**KH-26-4-0**  
Item No. 1913



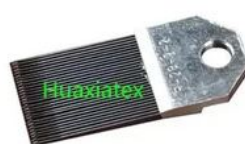
**KH-26-4-3**  
Item No. 1914



**KH-28-4-4**  
Item No. 1915



**R-28-1-0**  
Item No. 1916



**R-28-2-2**  
Item No. 1917



**RT-27-7-0**  
Item No. 1918

## WARP KNITTING MACHINE PARTS

# Other Warp Knitting Parts

Threading combs, forged beams, meters, gears, tools and more.

**54 parts listed**

This category collects the machine parts that do not belong to one element family: threading combs, forged beams, magnets, meter counters, gears, worm wheels, springs and tension rails, knockover plates, joint pans, handles, needle pliers and SAP cards.

They are listed here exactly as the original catalogue lists them, because these are the items a mill usually needs at short notice and cannot easily identify from a drawing.

## Category specification

|                |                                                       |
|----------------|-------------------------------------------------------|
| Scope          | <b>Machine hardware, tooling and consumable parts</b> |
| Machine brands | <b>Karl Mayer, LIBA and compatible</b>                |

## Other Warp Knitting Parts



**Pattern Discs**  
Item No. 555



**Piezo Guide**  
Item No. 478



**Threading Comb**  
Item No. 557



**Forged Beams**  
Item No. 558



**5 Layers Oil Bellows**  
Item No. 556



**Oil Cup**  
Item No. 568



**Flizer for LIBA**  
Item No. 578



**Magnet**  
Item No. 611



**Spare Parts Set 1**  
Item No. 1935



**5 Layers Oil Bellows**  
Item No. 559



**3 Layers Oil Bellows**  
Item No. 560



**3 Layers Oil Bellows**  
Item No. 561

## Other Warp Knitting Parts



**3 Layers Oil Bellows**  
Item No. 562



**Oil Bellows**  
Item No. 563



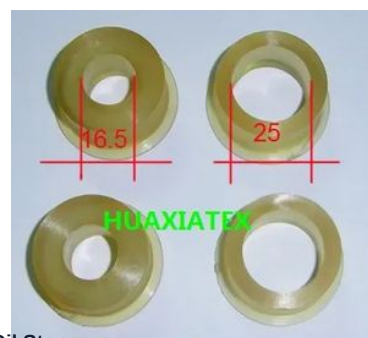
**Chain Block**  
Item No. 143



**3 Layers Oil Bellows**  
Item No. 564



**3 Layers Oil Bellows**  
Item No. 567



**Oil Stoppers**  
Item No. 565



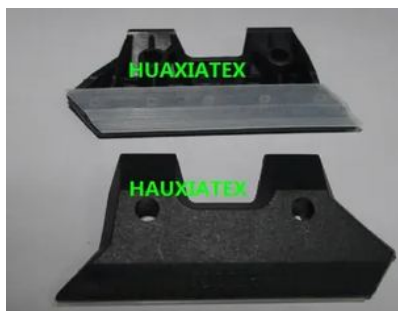
**Ring**  
Item No. 580



**Joint Pan**  
Item No. 569



**Needle Covers**  
Item No. 570



**Needle Covers**  
Item No. 572



**Needle Covers**  
Item No. 571



**Ball Bearing**  
Item No. 576

## Other Warp Knitting Parts



**Worm Wheel**  
Item No. 577



**Tongue Bar**  
Item No. 579



**Meter Counter**  
Item No. 582



**Rings**  
Item No. 584



**Needle Belts**  
Item No. 585



**Spare Part**  
Item No. 586



**Big Shaft Joint**  
Item No. 588



**Steel Wire Rope**  
Item No. 589



**SAP Cards**  
Item No. 587



**Roller**  
Item No. 591



**Gears**  
Item No. 592



**Spring and Tension Rail**  
Item No. 593

## Other Warp Knitting Parts



**Handle**  
Item No. 595



**Harness Thread**  
Item No. 602



**Needle Plier**  
Item No. 604



**Knockover Plate**  
Item No. 610



**Guide Bar Frame**  
Item No. 1934



**Spare Parts Set 2**  
Item No. 1936



**Spare Parts Set 3**  
Item No. 1937



**Spare Parts Set 4**  
Item No. 1938



**Spare Parts Set 5**  
Item No. 1939



**Spare Parts Set 6**  
Item No. 1940



**Spare Parts Set 7**  
Item No. 1941



**Spare Parts Set 8**  
Item No. 1942

## Other Warp Knitting Parts



**Spare Parts Set 9**  
Item No. 1943



**Spare Parts Set 10**  
Item No. 1944



**Spare Parts Set 11**  
Item No. 1945



**Spare Parts Set 12**  
Item No. 1946



**Spare Parts Set 13**  
Item No. 1947



**MULLER-5.5-L**  
Item No. 531

## WARP KNITTING MACHINE PARTS

# Long Bars

Needle, guide, knock-over and core needle bars in full length.

### 5 parts listed

The long bars are the full width castings that carry the elements: needle bars, guide bars, knock-over bars and core needle bars. They are the reference surfaces of the whole knitting head, so their straightness sets what the elements can do.

The original company statement for this range is specific. Bars are produced for machine types HKS, KS, RSE, MRSS, MSUS, RSMSUS, HDR5 and RD4 from Karl Mayer Germany and for high speed knitting machines from LIBA Germany, the highest gauge reached is E36, which is 36 slots per inch, and special long bars can be made from drawings or samples provided by the customer.

### Category specification

|                        |                                                                     |
|------------------------|---------------------------------------------------------------------|
| Bar types              | <b>Needle bars, guide bars, knock-over bars, core needle bars</b>   |
| Machine types          | <b>HKS, KS, RSE, MRSS, MSUS, RSMSUS, HDR5, RD4, LIBA high speed</b> |
| Highest gauge produced | <b>E36, 36 slots per inch</b>                                       |
| Custom work            | <b>Made to customer drawing or sample</b>                           |

## Long Bars



### KS Bars

Item No. 798



### HKS Bars

Item No. 799



### RSE Bars

Item No. 800



### Double Bars

Item No. 801



### MRS Bars

Item No. 802

## WARP KNITTING SPARE PARTS

# Oil Bellows And Oil Cups

One, three and five layer oil bellows, cups, bases and rings.

### 22 parts listed

An oil bellows, also called an oil seal, is the concertina boot that keeps lubricating oil in the drive and dirt and lint out of it while the shaft or rod moves. On a warp knitting machine there are many of them, and they are consumable.

The range covers one, three and five layer bellows, bottle and hat shapes, straight and slanting bases in aluminium and other materials, locking rings, oil stoppers, oil shields, oil cups and oil window covers.

### Category specification

|                |                                                                               |
|----------------|-------------------------------------------------------------------------------|
| Layer counts   | <b>1 layer, 3 layer and 5 layer bellows</b>                                   |
| Related parts  | <b>Bases, locking rings, oil stoppers, oil shields, oil cups, window cove</b> |
| Machine brands | <b>Karl Mayer, LIBA and compatible</b>                                        |

## Oil Bellows And Oil Cups



**Oil Bellow A**  
Item No. 2674



**Oil Bellow B**  
Item No. 2675



**Oil Bellow C**  
Item No. 2676



**Oil Bellow D with 4 Holes**  
Item No. 2677



**Bottle Oil E Bellow**  
Item No. 2678



**Oil Bellow F**  
Item No. 2679



**Oil Bellow (Small)**  
Item No. 2680



**Hat Oil Bellow (Straight and Slanting)**  
Item No. 2681



**Locking Ring for Oil Bellow**  
Item No. 2682



**Oil Shield**  
Item No. 2683



**Oil Bellow Base (Aluminium)**  
Item No. 2684



**Oil Bellow Base (High)**  
Item No. 2685

## Oil Bellows And Oil Cups



**Oil Bellow Base (Low and Slanting)**  
Item No. 2686



**Oil Bellow Base (High Slanting)**  
Item No. 2687



**Oil Bellow Base**  
Item No. 2688



**Oil Cups**  
Item No. 2689



**Oil Window Cover A**  
Item No. 2690



**Oil Window Cover B**  
Item No. 2691



**Big Three Layers Oil Bellows for Rara Mayer**  
Item No. 2840



**Bellow Seat Hook**  
Item No. 2841



**3 Layer Oil Bellows for LIBA Warp Knitting Machines**  
Item No. 2842



**1 Layer Oil Bellows for LIBA Warp Knitting Machines**  
Item No. 2843

## WARP KNITTING SPARE PARTS

# Tension Plates

Tension plates and tension springs in 12 to 26 pin formats.

### 14 parts listed

Tension plates and their springs hold a steady drag on the warp sheet so every end enters the knitting zone at the same tension. If one end runs slack, that end knits a longer loop and the fault runs the length of the piece.

The range covers 12, 16, 20 and 26 pin tension springs, sets supplied with new rings, and plain tension plates in several forms.

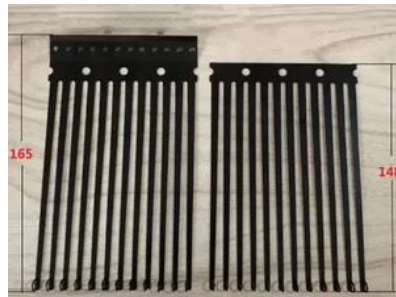
### Category specification

|               |                                                  |
|---------------|--------------------------------------------------|
| Pin counts    | <b>12, 16, 20 and 26 pin springs</b>             |
| Supplied with | <b>New rings, where the listing states it</b>    |
| Related parts | <b>Spring and C type or U type tension rails</b> |

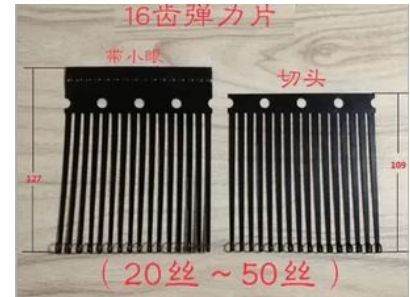
## Tension Plates



**12 Pins Tension Springs with New Rings**  
Item No. 2696



**12 Pins Tension Springs**  
Item No. 2697



**16 Pins Tension Spring**  
Item No. 2698



**20 Pins Tension Springs**  
Item No. 2699



**26 Pins Tension Springs**  
Item No. 2700



**16 Pins Tension Plates**  
Item No. 2701



**Tension Springs**  
Item No. 2702



**Tension Plate 1**  
Item No. 2703



**Tension Plate 2**  
Item No. 2704



**Tension Plate 3**  
Item No. 2705



**Tension Plate 4**  
Item No. 2706



**Tension Plate 5**  
Item No. 2707

## Tension Plates



**Tension Plate 6**

Item No. 2708



**Tension Plate 7**

Item No. 2709

## WARP KNITTING SPARE PARTS

# Needle Belts

Karl Mayer, KS and LIBA needle belts in 40 and 80 pin formats.

### 4 parts listed

A needle belt carries pins that engage the fabric or the yarn sheet and move it forward in step with the machine. The pin pitch and the pin count fix which belt fits, and a belt with the wrong pitch will not track.

The listings here cover Karl Mayer needle belts with 80 pins, KS needle belts with 40 pins and LIBA needle belts with 80 pins.

### Category specification

|                |                             |
|----------------|-----------------------------|
| Pin counts     | <b>40 pin and 80 pin</b>    |
| Machine brands | <b>Karl Mayer, KS, LIBA</b> |

## Needle Belts



**Karl Mayer Needle Belt with 80 Pins**  
Item No. 2692



**KS Needle Belt with 40 Pins**  
Item No. 2693



**LIBA Needle Belt with 80 Pins**  
Item No. 2694



**LIBA Needle Belts with 80 Pins**  
Item No. 2695

## WARP KNITTING SPARE PARTS

## Needle Covers

Needle covers by length, plus butterfly plates and press covers.

**34 parts listed**

The needle cover closes the needle bar over the shanks so that the needles are held down in their slots and lint cannot pack in behind them. It has to sit flat over the full length or the needles at the ends will lift.

Needle covers in this range are listed by overall length, from about 71mm to about 143mm, and by machine, including covers for KS, TM and LIBA warp knitting machines. Butterfly plates, tongue press covers and plates are listed alongside them.

### Category specification

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| Selection basis     | <b>Overall length in millimetres, and machine type</b> |
| Length range listed | <b>About 71mm to about 143mm</b>                       |
| Related parts       | <b>Butterfly plates, tongue press covers, plates</b>   |

## Needle Covers



**Needle Cover Type B**  
Item No. 2766



**Needle Cover for TM Warp Knitting Machine**  
Item No. 2750



**Needle Cover for KS Warp Knitting Machine**  
Item No. 2749



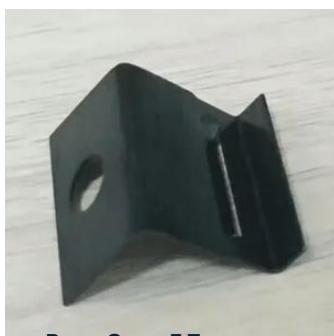
**Needle Cover 520728**  
Item No. 2748



**Needle Cover Parts**  
Item No. 2768



**Needle Cover for LIBA**  
Item No. 2767



**Tongue Press Cover Z Type**  
Item No. 2754



**Butterfly Plate**  
Item No. 2753



**Needle Cover**  
Item No. 2752



**Needle Cover for LIBA Warp Knitting Machines**  
Item No. 2751



**Needle Cover 1 L=109.6**  
Item No. 2710



**Needle Covers Set**  
Item No. 2769

## Needle Covers



**Latch Needle Cover**  
Item No. 2765



**Needle Cover 2 L=111.7**  
Item No. 2712



**Needle Cover 3 L=85**  
Item No. 2713



**Needle Cover 4 L=134.60**  
Item No. 2714



**Needle Cover 5 L=80**  
Item No. 2715



**Needle Cover 6 L=80**  
Item No. 2716



**Needle Cover 7 L=88.10**  
Item No. 2717



**Needle Cover 8 L=134**  
Item No. 2718



**Needle Cover 9 L=89.9**  
Item No. 2719



**Needle Cover 10 L=109.70**  
Item No. 2720



**Needle Cover 11 L=109.70**  
Item No. 2721



**Needle Cover 12 L=130.2**  
Item No. 2722

## Needle Covers



**Needle Cover 13 L=71.90**  
Item No. 2723



**Needle Cover 14 L=76.8**  
Item No. 2724



**Needle Cover 15 L=113.2**  
Item No. 2725



**Needle Cover 16 L=143**  
Item No. 2726



**Needle Cover 17 L=130**  
Item No. 2728



**Needle Cover 18 L=134**  
Item No. 2727



**Needle Cover 19 L=108**  
Item No. 2729



**Needle Cover 20 L=111.90**  
Item No. 2730



**Needle Cover 21 L=111.90**  
Item No. 2731



**Plate**  
Item No. 2755

## WARP KNITTING SPARE PARTS

# Guide Bar Frames And Ball Bearings

Guide bar frames, ball bearings and machine axes.

### 28 parts listed

The guide bar frame carries the guide bar and transfers the swing and shog motion to it. Its bearings decide how much lost motion there is between the drive and the guide, and lost motion at that point becomes a fabric fault.

Ball bearings in this range are listed by bore and outside diameter, for example 10x43, 12x43, 12x70, 18x60, 18x65, 25x85 and 25x110, including copper cage and double layer types. Machine axes are listed with them.

### Category specification

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Bearing sizes listed | <b>10x43, 12x43, 12x70, 18x60, 18x65, 25x85, 25x110</b> |
| Bearing variants     | <b>Copper cage, double layer</b>                        |
| Related parts        | <b>Guide bar frames, machine axes</b>                   |

## Guide Bar Frames And Ball Bearings



**All Kinds of Ball Bearings**

Item No. 2772



**All Kinds of Axis 2**

Item No. 2771



**All Kinds of Axis 1**

Item No. 2770



**Guide Bearing for LIBA Warp Knitting Machines**

Item No. 2844



**Ball Bearing 25X110**

Item No. 2764



**Ball Bearing 25X85**

Item No. 2763



**Ball Bearing 25X85 Copper**

Item No. 2762



**Ball Bearing 18X65**

Item No. 2761



**Ball Bearing 18X60**

Item No. 2760



**Ball Bearing 12X70**

Item No. 2759



**Ball Bearing 12X43**

Item No. 2758



**Ball Bearing 12X43 Double Layers**

Item No. 2757

## Guide Bar Frames And Ball Bearings



**Ball Bearing 10X43 Copper**  
Item No. 2756



**Guide Bar Frame 1**  
Item No. 2732



**Guide Bar Frame 2**  
Item No. 2733



**Guide Bar Frame 3**  
Item No. 2734



**Guide Bar Frame 4**  
Item No. 2736



**Guide Bar Frame 5**  
Item No. 2737



**Guide Bar Frame 6**  
Item No. 2738



**Guide Bar Frame 7**  
Item No. 2739



**Guide Bar Frame 8**  
Item No. 2740



**Guide Bar Frame 9**  
Item No. 2741



**Guide Bar Frame 10**  
Item No. 2742



**Guide Bar Frame 11**  
Item No. 2743

## Guide Bar Frames And Ball Bearings



**Guide Bar Frame 12**

Item No. 2744



**Guide Bar Frame 13**

Item No. 2745



**Guide Bar Frame 14**

Item No. 2746



**Guide Bar Frame 15**

Item No. 2747

## WARP KNITTING SPARE PARTS

# Flizers, Sliders And Rods

Flizers, sliders, connecting rods and rod bowls.

### 16 parts listed

Flizers and sliders are the sliding members that convert the machine's rotary drive into the reciprocating motion of the bars. Connecting rods and rod bowls carry that motion from the shaft to the slider.

The listings cover flizers for Karl Mayer in high speed and low speed forms, high, middle and low base flizers, flizers for LIBA, left and right sliders, sliders with four and six grooves, connecting rods and rod bowls.

### Category specification

|               |                                                         |
|---------------|---------------------------------------------------------|
| Flizer types  | High speed, low speed, high base, middle base, low base |
| Slider types  | Left, right, four groove, six groove, LIBA              |
| Related parts | Connecting rods, rod bowls                              |

## Flizers, Sliders And Rods



**Flizer for Karl Mayer (High Speed)**  
Item No. 2773



**Flizer for Karl Mayer (Low Speed)**  
Item No. 2774



**Flizer High Base**  
Item No. 2775



**Flizer Middle Base**  
Item No. 2777



**Flizer Low Base**  
Item No. 2776



**Flizers**  
Item No. 2778



**Slider (Left)**  
Item No. 2779



**Slider (Right)**  
Item No. 2780



**Slider for LIBA**  
Item No. 2781



**Slider with 4 Grooves**  
Item No. 2782



**Slider with Six Grooves**  
Item No. 2783



**Connecting Rods 1**  
Item No. 2784

## Flizers, Sliders And Rods



### Connecting Rods 2

Item No. 2785

### Connecting Rods 3

Item No. 2786

### Connecting Rods 4

Item No. 2787



### Rod Bowls

Item No. 2788

## WARP KNITTING SPARE PARTS

# Steel Wire Ropes

Steel wire ropes from 12cm to 30cm, wires, locks and hooks.

**17 parts listed**

Steel wire ropes transmit pull in the pattern and let-off mechanisms where a rigid link will not fit. They are made to length, and the length is the ordering dimension.

Ropes are listed from 12cm to 30cm, with and without locks, together with 1.0 and 1.5 steel wire, big hole and small hole wire locks, and wire hooks.

### Category specification

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| Rope lengths listed | <b>12, 16, 17, 18, 19, 20, 21, 22, 23, 25 and 30cm</b> |
| Wire sizes          | <b>1.0 and 1.5</b>                                     |
| Related parts       | <b>Wire locks with big or small hole, wire hooks</b>   |

## Steel Wire Ropes



**Steel Wire 1.0**  
Item No. 2789



**Steel Wire 1.5**  
Item No. 2790



**Steel Wire Lock (Big Hole)**  
Item No. 2792



**Steel Wire Lock (Small Hole)**  
Item No. 2793



**Steel Wire Rope 12CM**  
Item No. 2794



**Steel Wire Rope 16CM**  
Item No. 2795



**Steel Wire Rope 17CM**  
Item No. 2796



**Steel Wire Rope 19CM**  
Item No. 2798



**Steel Wire Rope 18CM with Lock**  
Item No. 2797



**Steel Wire Rope 20CM with Lock**  
Item No. 2799



**Steel Wire Rope 20CM**  
Item No. 2800



**Steel Wire Rope 21CM**  
Item No. 2801

## Steel Wire Ropes



**Steel Wire Rope 22CM**  
Item No. 2802



**Steel Wire Rope 23CM**  
Item No. 2803



**Steel Wire Rope 25CM**  
Item No. 2804



**Steel Wire Rope 30CM**  
Item No. 2805



**Wire Hook**  
Item No. 2806

## WARP KNITTING SPARE PARTS

# Weft Hooks

Weft hooks listed by part number.

### 8 parts listed

On a weft insertion warp knitting machine the weft hook takes the inserted weft thread and presents it to the knitting elements. It works at machine speed against a moving thread, so the hook profile wears and eventually starts to miss.

Weft hooks in this range are listed by their part number rather than by a description, because the number is what identifies the hook on the machine.

### Category specification

Selection basis

Part number

Numbers listed

**176069, 179428, 184084, 184097, 195543, 195544, 201202, 201203**

## Weft Hooks



Weft Hook 176069  
Item No. 2832



Weft Hook 179428  
Item No. 2833



Weft Hook 184084  
Item No. 2834



Weft Hook 184097  
Item No. 2835



Weft Hook 195543  
Item No. 2836



Weft Hook 195544  
Item No. 2837



Weft Hook 201202  
Item No. 2838



Weft Hook 201203  
Item No. 2839

## WARP KNITTING SPARE PARTS

# Chain Links And Pattern Discs

Pattern discs and chain links for Karl Mayer and LIBA.

### 7 parts listed

Pattern discs and pattern chains are the mechanical memory of a warp knitting machine. The chain of links runs under a follower and its rise and fall shogs the guide bar, so the link heights are the pattern.

The range covers pattern discs for Karl Mayer and LIBA machines, LIBA chain links and profile chain links for warp knitting machines.

### Category specification

Types

**Pattern discs, chain links, profile chain links**

Machine brands

**Karl Mayer, LIBA**

## Chain Links And Pattern Discs



**Pattern Discs for LIBA Warp Knitting Machines**

Item No. 2853



**Pattern Discs Type B**

Item No. 2852



**LIBA Chain Links**

Item No. 2847



**Profile Chain Links for Warp Knitting Machine**

Item No. 2848



**Profile Chain Links for Warp Knitting Machines**

Item No. 2849



**Chain Links for Warp Knitting Machines 1**

Item No. 2850



**Chain Links for Warp Knitting Machines 2**

Item No. 2851

## WARP KNITTING SPARE PARTS

# Latch Needle Bars

Latch needle bars for warp knitting machines.

### 1 parts listed

A latch needle bar carries the latch needles across the working width and holds them in line. Its straightness and slot condition decide whether every needle meets the guide line at the same point.

For full length needle bars, guide bars, knock-over bars and core needle bars, including bars made to a customer drawing or sample, see the long bars category.

### Category specification

|                  |                                            |
|------------------|--------------------------------------------|
| Element type     | Latch needle bar                           |
| Related category | Long bars, for the full range of bar types |

## Latch Needle Bars



### Latch Needle Bars

Item No. 2854

## ELEMENTS AND PINS

# Guide Pins

Eyelet needles, guide needles, hole needles and loose pins.

### 19 parts listed

Guide pins are the loose elements a shop uses to rebuild a guide unit rather than buy a complete cast unit. The family covers eyelet needles, guide needles, hole needles and loose pins.

Because they are supplied loose, the pin must match the unit body it is being set into. Send the unit reference as well as the pin, or a sample of both.

### Category specification

Element types

**Eyelet needles, guide needles, hole needles, loose pins**

Supply

**Loose, for element rebuilding**

## Guide Pins



**Eyelet Needles 1**

Item No. 2555



**Eyelet Needles 2**

Item No. 2556



**Eyelet Needles 3**

Item No. 2557



**Eyelet Needles 4**

Item No. 2558



**Eyelet Needles 5**

Item No. 2559



**Eyelet Needles 6**

Item No. 2560



**Eyelet Needles 7**

Item No. 2561



**Eyelet Needles 8**

Item No. 2562



**Loose Pins**

Item No. 2563



**Hole Needles**

Item No. 2564



**Guide Needles 1**

Item No. 2566



**Guide Needles 2**

Item No. 2568

## Guide Pins



**Guide Needles 3**

Item No. 2569



**LB-92**

Item No. 603



**Guide Needles 4**

Item No. 2570



**Guide Needles 5**

Item No. 2571



**Guide Needles 6**

Item No. 2572



**Hole Needles 2**

Item No. 2573



**Hole Needles 3**

Item No. 2574

## ELEMENTS AND PINS

# Sinker Pins

Loose sinker pins for rebuilding sinker units.

### 19 parts listed

Sinker pins are the individual sinker elements set into a cast unit body. Supplying them loose lets a shop replace only the broken pins in an otherwise sound unit.

Sizes are listed by the pin dimensions where the original catalogue states them, for example the 12G and 14G pins listed as 0.50-0.25, 0.50-0.43 and 0.43-0.22.

### Category specification

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Element type       | <b>Loose sinker pin</b>                             |
| Dimension examples | <b>12G and 14G, 0.50-0.25, 0.50-0.43, 0.43-0.22</b> |
| Supply             | <b>Loose, for element rebuilding</b>                |

## Sinker Pins



**Sinker Pins 1**  
 Item No. 2575



**Sinker Pins 2**  
 Item No. 2576



**Sinker Pins 3**  
 Item No. 2577



**Sinker Pins 4**  
 Item No. 2578



**Sinker Pins 5**  
 Item No. 2579



**Sinker Pins 6**  
 Item No. 2580



**Sinker Pins 7**  
 Item No. 2581



**Sinker Pins 8**  
 Item No. 2582



**Sinker Pins 9**  
 Item No. 2583



**Sinker Pins 10**  
 Item No. 2584



**Sinker Pins 11**  
 Item No. 2585



**Sinker Pins 12**  
 Item No. 2586

## Sinker Pins



**Sinker Pins 13**

Item No. 2587



**Sinker Pins 14**

Item No. 2588



**Sinker Pins 15**

Item No. 2589



**Sinker Pins 16**

Item No. 2590



**Sinker Pins 17**

Item No. 2591



**Sinker Pins 18**

Item No. 2592



**Sinker Pins 19**

Item No. 2593

## ELEMENTS AND PINS

# Tongue Pins

Loose tongue pins in the C series and by thickness.

### 19 parts listed

Tongue pins are the individual closing elements set into a cast tongue unit. They are listed here by the C series reference of the unit they belong to, from C-18 through to C-161, and by thickness where the catalogue states it.

A tongue pin must match the groove it runs in. Quote the C reference of the unit as well as the pin.

### Category specification

|                   |                           |
|-------------------|---------------------------|
| Element type      | <b>Loose tongue pin</b>   |
| Reference range   | <b>C-18 through C-161</b> |
| Thickness example | <b>0.52mm</b>             |

## Tongue Pins



**Tongue Pins C-28**  
Item No. 2595



**Tongue Pins C-18**  
Item No. 2594



**Tongue Pins C-29**  
Item No. 2596



**Tongue Pins C-32**  
Item No. 2597



**Tongue Pins C-33**  
Item No. 2598



**Tongue Pins C-67**  
Item No. 2599



**Tongue Pins C-76**  
Item No. 2600



**Tongue Pins C-79**  
Item No. 2601



**Tongue Pins C-80**  
Item No. 2602



**Tongue Pins C-81**  
Item No. 2603



**Tongue Pins C-82**  
Item No. 2604



**Tongue Pins C-84**  
Item No. 2605

## Tongue Pins



**Tongue Pins C-89**  
 Item No. 2606



**Tongue Pins C-107**  
 Item No. 2607



**Tongue Pins C-111**  
 Item No. 2608



**Tongue Pins C-129**  
 Item No. 2609



**Tongue Pins C-134**  
 Item No. 2610



**Tongue Pins C-161**  
 Item No. 2611



**Tongue Pins 0.52mm**  
 Item No. 2612

## ELEMENTS AND PINS

# Separator Pins

Separator needles by thickness, hole count and length.

**19 parts listed**

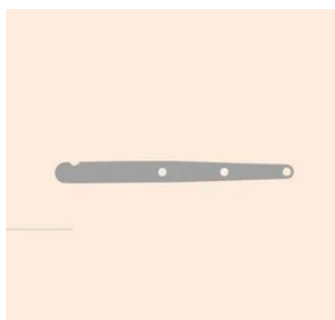
Separator pins, listed here as separator needles, keep neighbouring needles apart. They are selected by three things together: the thickness, the number of holes and the length.

The range covers thicknesses from 0.15 to 0.8, hole counts from one to six, and short, middle and long variants, including bent types.

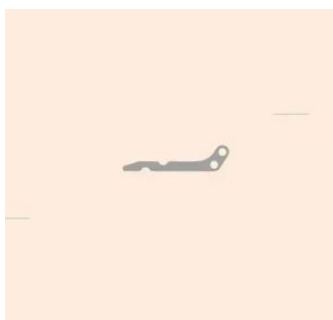
### Category specification

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Thickness range listed | <b>0.15, 0.2, 0.25, 0.35, 0.40, 0.5, 0.76, 0.8</b> |
| Hole counts listed     | <b>One, two, three, four, five and six holes</b>   |
| Lengths listed         | <b>Short, middle and long</b>                      |

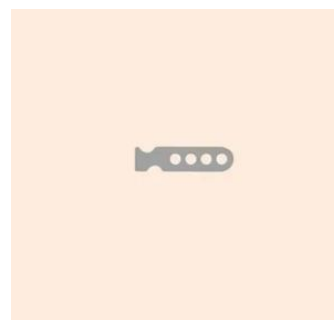
## Separator Pins



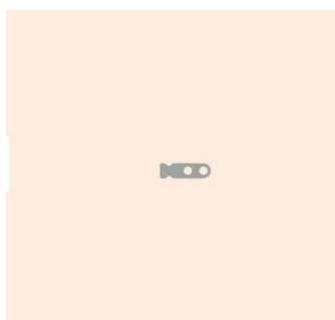
**Separator Needle 0.25 with Three Holes**  
Item No. 2649



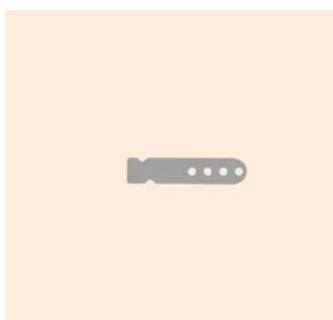
**Separator Needle 0.5 Bending with Two Holes**  
Item No. 2645



**Separator Needle 0.8 with Four Holes**  
Item No. 2646



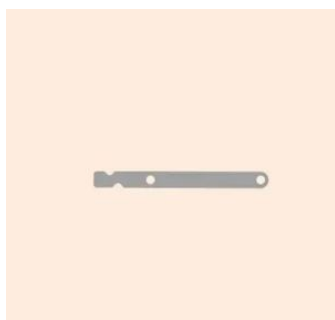
**Separator Needle 0.15 with Two Holes**  
Item No. 2647



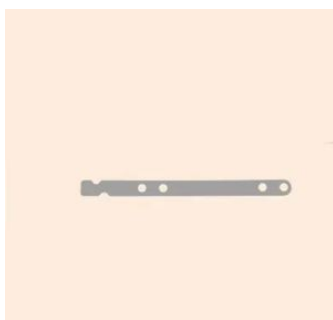
**Separator Needle 0.25 with Four Holes (Middle)**  
Item No. 2648



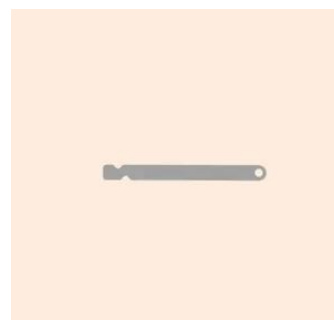
**Separator Needle 0.25**  
Item No. 2650



**Separator Needle with Double Holes 0.25 (Middle)**  
Item No. 2651



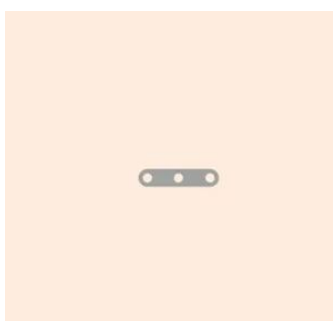
**Separator Needle with Four Holes 0.25 (Long)**  
Item No. 2652



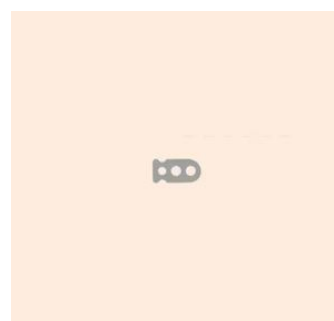
**Separator Needle with Single Hole 0.25 (Long)**  
Item No. 2653



**Separator Needle with Three Holes 0.25 (Long)**  
Item No. 2654

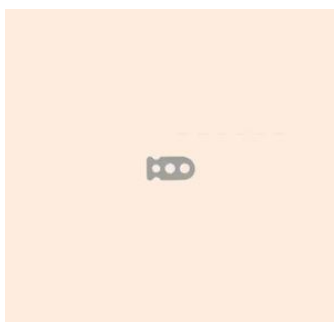


**Separator Needles 0.2 (Short) with Three Holes**  
Item No. 2655



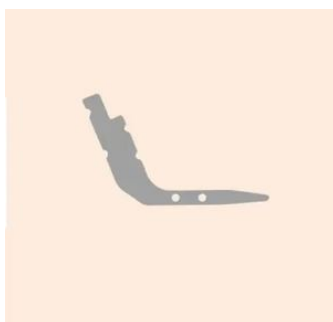
**Separator Needles 0.2 with Three Holes**  
Item No. 2656

## Separator Pins



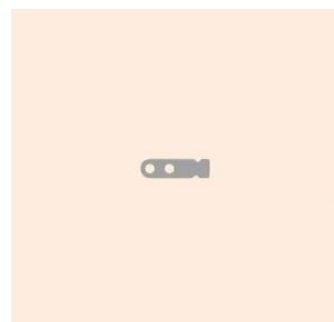
**Separator Needles 0.25 (Short) with Four Holes**

Item No. 2657



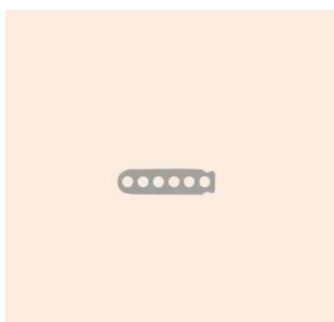
**Separator Needles 0.35 with Two Holes**

Item No. 2658



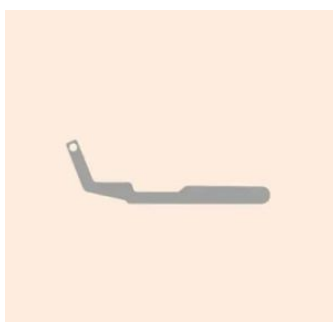
**Separator Needles 0.40 (Short)**

Item No. 2659



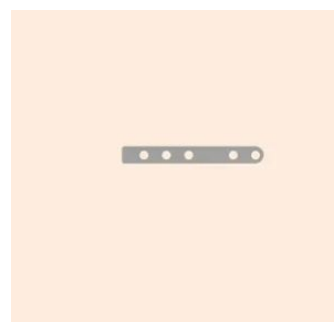
**Separator Needles 0.76 (Short) with Six Holes**

Item No. 2660



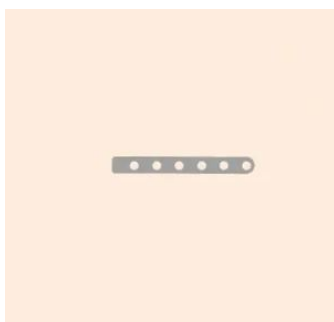
**Separator Needles PF-29-20-20**

Item No. 2661



**Separator Needles with Five Holes 0.25 (Middle)**

Item No. 2662



**Separator Needles with Six Holes 0.25 (Middle)**

Item No. 2663

## ELEMENTS AND PINS

# Other Pins

Chuck sleeves, ear plates, linings, baffles and teeth pins.

### 10 parts listed

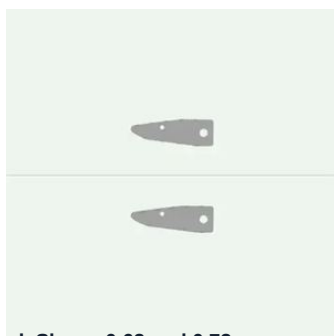
This category holds the small precision parts that go with the pin families: chuck sleeves in 0.62 and 0.72, cleaners and spring plates, ear plates plain and with four holes, linings, pin baffles and teeth pins.

They are ordered against the element they belong to, so quote the element reference with the part.

### Category specification

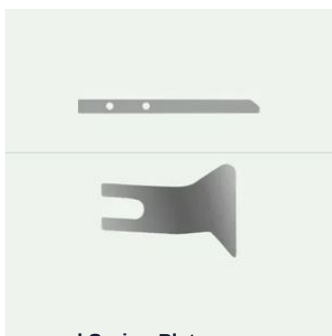
|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| Chuck sleeve sizes | <b>0.62 and 0.72</b>                                             |
| Teeth pin example  | <b>12G, 0.36-0.20</b>                                            |
| Related parts      | <b>Cleaners, spring plates, ear plates, linings, pin baffles</b> |

## Other Pins



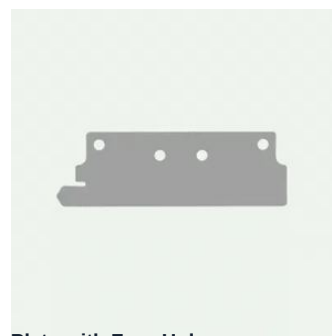
**Chuck Sleeve 0.62 and 0.72**

Item No. 2664



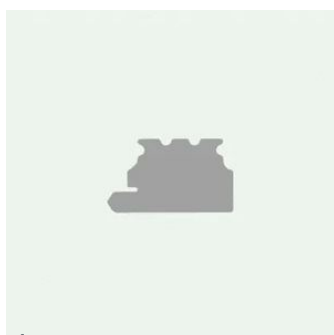
**Cleaner and Spring Plate**

Item No. 2665



**Ear Plate with Four Holes**

Item No. 2666



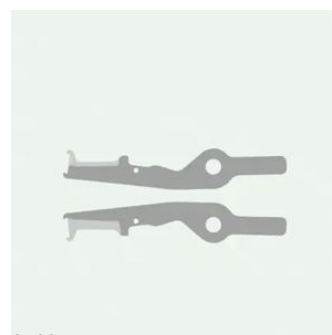
**Ear Plate**

Item No. 2667



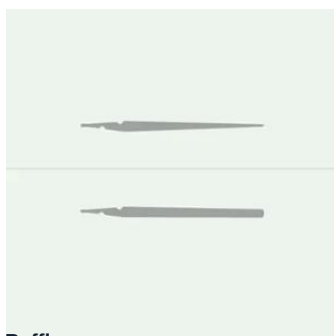
**Linings**

Item No. 2668



**M070560**

Item No. 2669



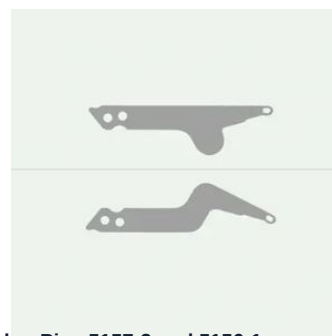
**Pin Baffle**

Item No. 2670



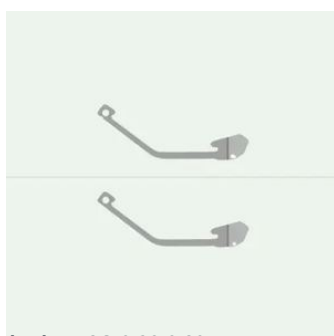
**Sinker Pins 12G 14G 0.50-0.25 0.50-0.43 0.43-0.22**

Item No. 2671



**Sinker Pins 5157-2 and 5156-1**

Item No. 2672



**Teeth Pins 12G 0.36-0.20**

Item No. 2673

## PIEZO GUIDES

# Piezo Guides

Piezo jacquard guides from E12 to E32 and by type code.

### 24 parts listed

A piezo guide carries a piezoelectric bender behind the guide blade. Applying a voltage deflects the blade one needle space to the left or the right, so a single guide bar can place a jacquard pattern without a mechanical pattern drive behind it.

The original description for this range states that piezo jacquard is an important electrical spare part for machines such as the double needle bar machine, RD6 and RD7, MSJ lace machines and terry towel warp knitting machines, that piezo guides are supplied for Karl Mayer machines including E14, E18, E24, E28 and E32, and that many types exist beyond the ones pictured.

### Category specification

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Gauge range listed | <b>E12, E14, E16, E18, E20, E22, E24, E26, E28, E30, E32</b>           |
| Type codes listed  | <b>12B, 12C, 12L, 18B, 18L, 20L, 24B, 24D, 24L, 24R, 28B, 28L, 32D</b> |
| Machine brands     | <b>Karl Mayer and compatible</b>                                       |

## Piezo Guides



**Piezo Guide E32**  
E32



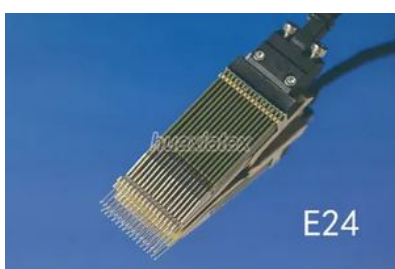
**Piezo Guide E30**  
E30



**Piezo Guide E28**  
E28



**Piezo Guide E26**  
E26



**Piezo Guide E24**  
E24



**Piezo Guide E22**  
E22



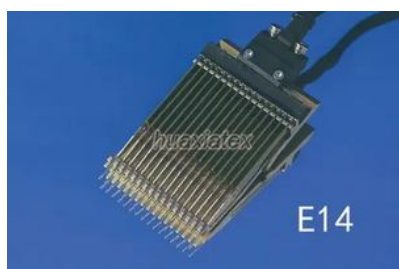
**Piezo Guide E20**  
E20



**Piezo Guide E18**  
E18



**Piezo Guide E16**  
E16



**Piezo Guide E14**  
E14

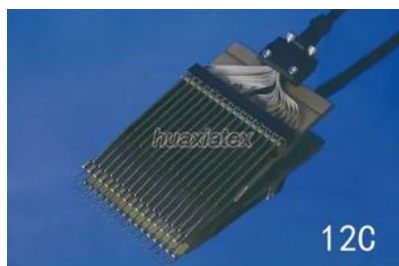


**Piezo Guide E12**  
E12



**Piezo Guide 12B**  
Item No. 2807

## Piezo Guides



**Piezo Guide 12C**  
Item No. 2808



**Piezo Guide 12L**  
Item No. 2809



**Piezo Guide 18B**  
Item No. 2810



**Piezo Guide 18L**  
Item No. 2811



**Piezo Guide 20L**  
Item No. 2812



**Piezo Guide 24B**  
Item No. 2813



**Piezo Guide 24D**  
Item No. 2814



**Piezo Guide 24L**  
Item No. 2815



**Piezo Guide 24R**  
Item No. 2816



**Piezo Guide 28B**  
Item No. 2817



**Piezo Guide 28L**  
Item No. 2818



**Piezo Guide 32D**  
Item No. 2819

## WARPING MACHINE PARTS

# Warping Machine Parts

Creels, stop motions, fluff detectors, rollers and holders.

**20 parts listed**

Warping is where the warp sheet is built, and a fault introduced there is knitted into every metre that follows. The parts in this category control how the yarn leaves the package and how quickly the machine stops when an end breaks.

The range covers electromotion creels and normal creels, turn table holders, swivelling package holders, plastic double-arm package holders, straight staff package holders, broken yarn stopping devices, self stopping devices, fluff detectors, levelling rollers and servo-controlled rollers.

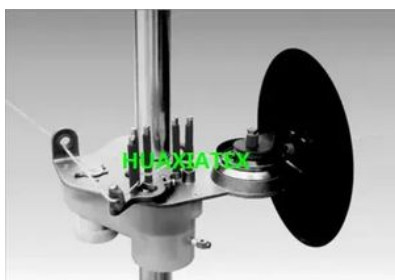
### Category specification

|              |                                                                          |
|--------------|--------------------------------------------------------------------------|
| Creel types  | <b>Electromotion creel, normal creel</b>                                 |
| Holders      | <b>Turn table, swivelling, plastic double-arm, straight staff</b>        |
| Stop motions | <b>Broken yarn stopping device, self stopping device, fluff detector</b> |
| Rollers      | <b>Levelling roller, servo-controlled roller</b>                         |

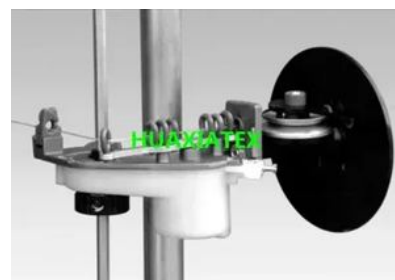
## Warping Machine Parts



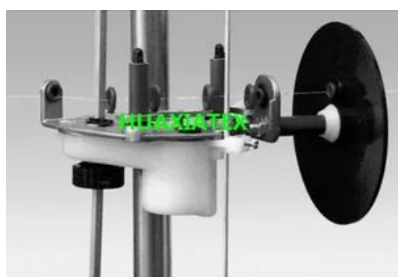
**Tensioners**  
Item No. 2151



**KFD Tensioners Type A**  
Item No. 2152



**KFD Tensioners Type B**  
Item No. 2153



**KFD Tensioners Type C**  
Item No. 2154



**Tensioners Type B**  
Item No. 2155



**Tensioners Type C**  
Item No. 2156



**Broken Yarn Stopping Device**  
Item No. 2157



**Self-Stopping Device**  
Item No. 2158



**Fluff Detector**  
Item No. 2159



**Warping Machine Spare Part**  
Item No. 2160



**Electromotion Creel**  
Item No. 2163



**Turn Table Holder**  
Item No. 2164

## Warping Machine Parts



**Normal Creel**

Item No. 2165



**Levelling Roller**

Item No. 2167



**Levelling Roller Type B**

Item No. 2168



**Servo-Controlled Roller**

Item No. 2169



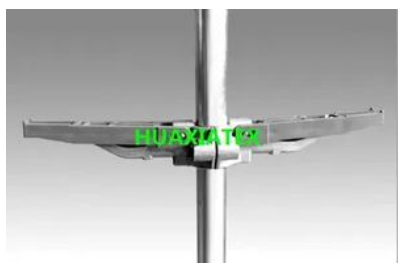
**Roller for Warping Machine**

Item No. 2170



**Swivelling Package Holder**

Item No. 2171



**Plastic Double-Arm Package Holder**

Item No. 2172



**Straight Staff Package Holder**

Item No. 2174

## WARPING MACHINE PARTS

# Yarn Tensioners

Yarn tensioners for warp knitting and warping machines.

**18 parts listed**

A yarn tensioner holds a controlled drag on a single end as it leaves the package, so every end in the creel arrives at the beam at the same tension. Uneven tension at the creel becomes uneven loop length in the fabric.

The original description for this range states that the yarn tensioner is used on warp knitting machines such as Karl Mayer and KFD knitting machines, and that the origin is China. A further listing covers tensioners across textile machine types including needle loom, ribbon loom, jacquard loom, high speed narrow fabric, crochet, warping, warp knitting and knitting machine parts.

### Category specification

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| Machine brands    | <b>Karl Mayer, KFD and compatible</b>                                         |
| Origin            | <b>China</b>                                                                  |
| Also supplied for | <b>Needle loom, ribbon loom, jacquard loom, high speed narrow fabric, cro</b> |

## Yarn Tensioners



**Yarn Tensioner**  
Item No. 2543



**Yarn Tensioner Type Q**  
Item No. 2546



**Yarn Tensioner Type P**  
Item No. 2545



**Yarn Tensioner Type N**  
Item No. 2544



**Yarn Tensioners for Textile Machines A**  
Item No. 2377



**Yarn Tensioner Type A**  
Item No. 1919



**Yarn Tensioners for Textile Machines B**  
Item No. 2378



**Yarn Tensioner Type B**  
Item No. 1920



**Yarn Tensioner Type C**  
Item No. 1921



**Yarn Tensioner Type D**  
Item No. 1922



**Yarn Tensioner Type E**  
Item No. 1923



**Yarn Tensioner Type F**  
Item No. 1925

## Yarn Tensioners



**Yarn Tensioner Type G**  
Item No. 1927



**Yarn Tensioner Type H**  
Item No. 1929



**Yarn Tensioner Type J**  
Item No. 1930



**Yarn Tensioner Type K**  
Item No. 1931



**Yarn Tensioner Type L**  
Item No. 1932



**Yarn Tensioner Type M**  
Item No. 1933

## WARPING MACHINE PARTS

# Roller Covering

Roller covering material for take-up and feed rollers.

### 1 parts listed

Roller covering is the surface layer on a take-up or feed roller. It sets how much grip the roller has on the fabric or the yarn sheet, and it is renewed when the surface polishes and the fabric starts to slip.

The listing in this category is BOBOTEX roller covering.

### Category specification

Type listed

**BOBOTEX roller covering**

## Roller Covering



**Roller Covering BOBOTEX**

Item No. 2831