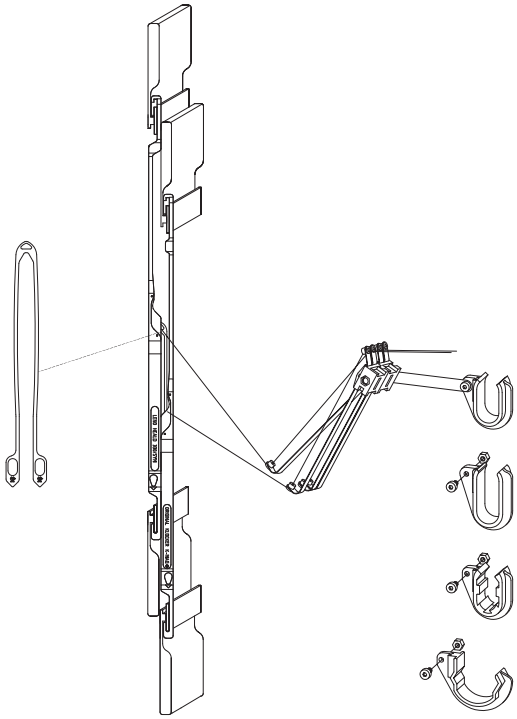
Gebr. Klöcker
Industrial Mechatronics

K-MAG® Leno Heald

The K-MAG® leno heald reduces fabric production expenses and guarantees simultaneously safe and optically approvable, flat selvedges.

The sophisticated design is characterized by

- a reliable patented double magnet-control without any external drive elements
- a special material combination of high-tech synthetics with low weight, doup healds made of surface-polished steel of superior quality with optimized bottom form and powerful permanent energy magnets
- space-saving and user-friendly installation by means of movable heald bolts
- a very good price-performance ratio
- a reliable selvedge binding up to a speed of 900 picks per minute
- a considerably improved working lifetime by means of an integrated metallic wear protection and positioning magnets



K-MAG® Leno Heald with patented Flexible Holding-Down Device

The lifting healds which withstand highest loads are made of wear-resistant high-tech synthetics which are reinforced by glass fibre elements and enriched with carbon fibre.

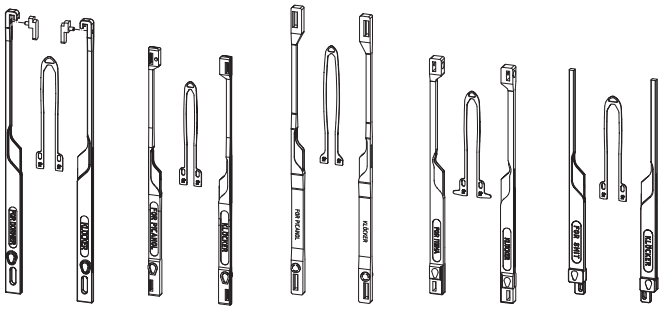
The well-directed composition of the material allows the use of almost all current selvedge yarn qualities. The patented double magnet-control is based on high-efficiency NeoDelta magnets which guarantee perfect guidance of the doup healds even with highest speeds.

The varied design layouts of the lifting and doup healds for mini leno healds align to the specifications of individual weaving machines.

To guarantee a trouble-free function of the K-MAG® leno heald, indispensable components are

- the patented flexible holding-down devices with ceramic thread guides for two up to six threads to be easily installed by means of adaptors available for all current weaving machines and
- the Klöcker cross leno cone creels in various types including the thread reversions.

They make up the Klöcker functional unit.



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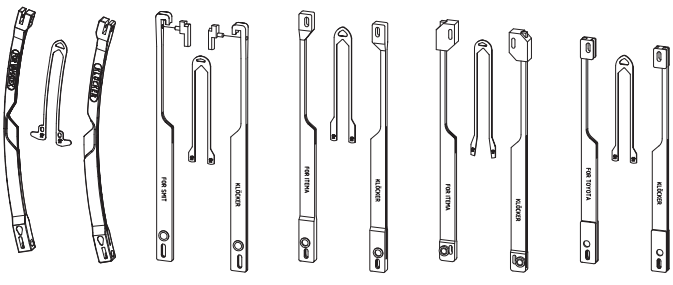

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Modification 02/14
Item No. 191130

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The K-MAG® Leno Healds

Standard Leno Healds for 12 mm pitch

heald length in mm (inch)	asym[1] -5 mm	doup heald length in mm	max. raising in mm	sym[1]	doup heald length in mm	max. raising in mm	asym[1] +5 mm	doup heald length in mm	max. raising in mm
330 mm (13,00'')		——	——		130,0	107,0		135,0	112,0
381 mm (15,00'')		——	——		155,0	132,0		——	——

Special Models[2] for 12, 14, 16, 18 or 22 mm pitch

heald length in mm (inch)	asym[1] -5 mm	doup heald length in mm	max. raising in mm	sym[1]	doup heald length in mm	max. raising in mm	asym[1] +5 mm	doup heald length in mm	max. raising in mm	asym[1] +10 mm	doup heald length in mm	max. raising in mm
280 mm (11,02'')		99,5	76,5		99,5	76,5		109,5	86,5		109,5	86,5
300 mm (11,81'')		109,5	86,5		109,5	86,5		120,0	97,0		125,0	102,0
302 mm (11,89'')		109,5	86,5		109,5	86,5		120,0	97,0		125,0	102,0
305 mm (12,00'')		109,5	86,5		109,5	86,5		120,0	97,0		125,0	102,0
327 mm (12,87'')		120,0	97,0		125,0	102,0		130,0	107,0		135,0	112,0
330 mm (13,00'')		125,0	102,0		——	——		——	——		135,0	112,0
356 mm (14,02'')		135,0	112,0		135,0	112,0		145,0	122,0		145,0	122,0
381 mm (15,00'')		145,0	122,0		——	——		155,0	132,0		165,0	142,0
407 mm (16,02'')		155,0	132,0		165,0	142,0		165,0	142,0		165,0	142,0
420 mm (16,54'')		165,0	142,0		165,0	142,0		165,0	142,0		165,0	142,0
432 mm (17,00'')		165,0	142,0		165,0	142,0		165,0	142,0		165,0	142,0
457 mm (18,00'')		——	——		——	——		198,0	175,0		——	——

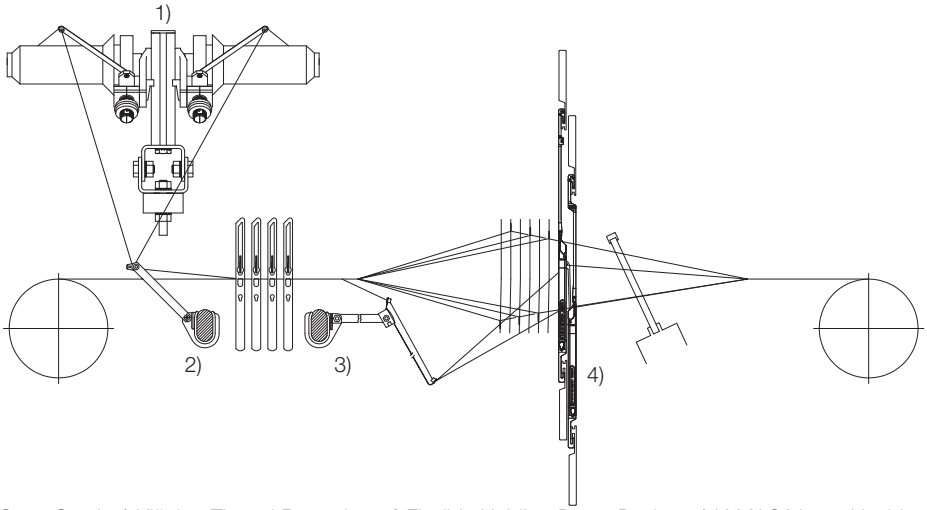
Weaving Machine Individual Leno Healds[3], pitch 12 mm

heald length in mm (type)	sym[1]	doup heald length in mm	max. raising in mm
136 mm (Toyota)		67,0	50,0
137 mm (SMIT)		67,0	50,0
142 mm (SMIT)		66,0	50,0
144 mm (ITEMA)		73,0	59,0
146 mm (ITEMA)		67,0	55,5

heald length in mm (type)	sym[1]	doup heald length in mm	max. raising in mm
151 mm (Picanol)		66,0	54,0
151 mm (ITEMA)		72,0	55,0
156 mm (ITEMA)		70,0	55,0
165 mm (Dornier)		72,0	55,0
185 mm (Picanol)		79,0	63,0

[1]) The descriptions “sym” (symmetrical) and “asym” (asymmetrical) refer to shedding.
[2]) For special models detailed information on heald length, symmetry of healds and pitch is necessary.
Special models cannot be exchanged.
[3]) Types to be used on the weaving machines of the corresponding manufacturers.

The Klöcker Functional Unit



1) Klöcker Cross Leno Cone Creel 2) Klöcker Thread Reversion 3) Flexible Holding-Down Device 4) K-MAG® Leno Heald

We reserve the right to technical modifications without prior notice. Particulars on speed are exclusively based on the use of the Klöcker functional unit. Drawings indicate only characteristic features.
Detailed information and individual consultation via our hotline – Please contact us!

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