



GERMAN RAW MATERIAL | MADE IN INDIA

UNIQUE QUALITY

HEALD WIRES & DROPPERS



Unique quality healds are manufactured from high quality tempered stainless steel. After years of development and research we have developed a new type of stainless steel, with better abrasion resistance, longer rust protection and higher corrosion resistance. In terms of our manufacturing processes, air protection is used in the heat treatment, and the acceptable calciner error is only within 2°C. In addition to the normal polishing, a special surface polish machine is used to make our products much brighter and flatter.

We can produce a variety of heald wires with different specifications as per the needs of the customer. Our heald wires are suitable for all kinds of automatic drawing in machines.

We have also introduced **“SILK EYE”**, a special kind of eyelet for sensitive microfibers and finest filament yarns. We ensure smooth passage of warp yarns through the **“SILK EYE”** with less friction between the heddles and the adjacent ends and reduces warp breakages.

“SILK EYE” allows approximately 30% higher heald density. Thus our customers can reduce the number of frames and increase the speed and reduce energy consumption.

Guidelines for eye size recommendations

Using the correct eye size of heald wires for various warp yarns is very important. Thus our customers can decide which eye size to use after studying our following table.

Eye size recommendations from common yarn sizes									
Dernier	46	92	137	275	460	650	900	1800	2600
Nm (Metric)	200	100	66	33	20	14	10	5	3.4
Tex	5	10	15	30	50	72	100	200	300
Ne (Cotton)	120	60	40	20	12	8	6	3	2
Eye size for spun yarns									
5.5 x 1.2	■	■	■	■					
6.5 x 1.8			■	■	■	■			
8.0 x 2.5					■	■	■	■	■
Eye size for filament yarns									
5.5 x 1.2	■	■	■	■					
6.5 x 1.8				■	■	■	■		
8.0 x 2.5					■	■	■	■	■



O SIMPLEX



O DUPLEX



C SIMPLEX



C DUPLEX



J SIMPLEX



J DUPLEX

Heald wire	Type	Length	Eyelet	Strip size
O Type	Simplex	280mm	5.5 x 1.2mm	5.5 x 0.3mm
		302mm	6.5 x 1.8mm	
		330mm	7.8 x 3.8mm	
	Duplex	260mm	5.5 x 1.2mm	5.5 x 0.3mm
		280mm		
		302mm		
		330mm		
C Type	Simplex	280mm	5.5 x 1.2mm	5.5 x 0.3mm
		331mm	6.5 x 1.8mm	
		382mm	7.8 x 3.8mm	
			8.0 x 2.5mm	
			8.4 x 3.8mm	
	Duplex	280mm	5.5 x 1.2mm	5.5 x 0.3mm
		331mm	6.4 x 1.5mm	6.0 x 0.3mm
		382mm	6.5 x 1.8mm	6.0 x 7.2 x 0.3mm
J Type	Simplex	280mm	5.5 x 1.2mm	5.5 x 0.3mm
		331mm	6.5 x 1.8mm	
		382mm	7.8 x 3.8mm	
			8.0 x 2.5mm	
			8.4 x 3.8mm	
	Duplex	280mm	5.5 x 1.2mm	5.5 x 0.3mm
		331mm	6.4 x 1.5mm	6.0 x 0.3mm
		382mm	6.5 x 1.8mm	6.0 x 7.2 x 0.3mm

Unique Quality drop wires are made of high quality stainless steel of SUS420 grade. Thus they are precise and insure machine stoppage in a fraction of a second in case of a warp breakage. They also insure false stops assuring maximum efficiency.

All our droppers comply to all the requirement of automatic drawing in machines of various manufacturers. We have a large variety of droppers ranging from 0.2mm to 1.0mm thickness and lengths from 120mm to 180mm for our various customers who have different requirements for various weaving applications.

Length(mm)	Width(mm)	Thickness(mm)	Type
140	7	0.2	OPEN
	8	0.3	
145	11	0.2	OPEN
		0.3	
		0.4	
		0.5	
156	11	0.2	OPEN
		0.3	
		0.4	
		0.5	
165	8	0.2	OPEN
		0.3	
	11	0.4	
		0.5	
		0.6	
		0.7	
180	11	0.2	OPEN
		0.3	
		0.4	
140	7	0.2	CLOSED
	8		
145	11	0.2	CLOSED
		0.3	
		0.4	
156	11	0.2	CLOSED
		0.3	
165	8	0.2	CLOSED
		0.3	
	11	0.4	
		0.5	
		0.6	
		0.7	
180	11	0.2	CLOSED
		0.3	
		0.4	
		0.5	

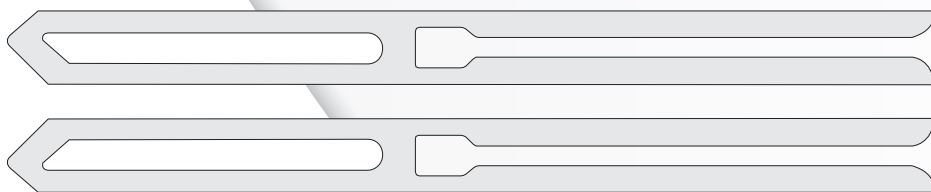
Guidelines for weights and densities

Using the correct weight of droppers for various warp yarns is very important for the warp stop motion to function properly.

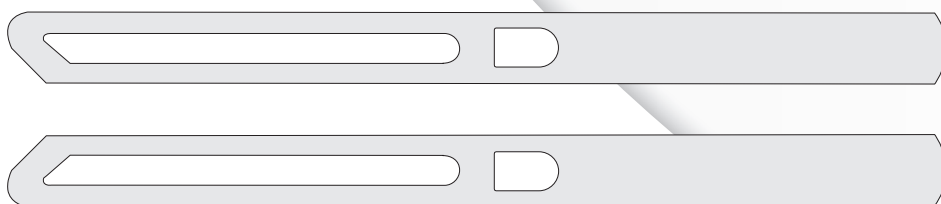
Tex	Metr. Count	Denier	Eng. Count	Weight
Tex	Nm	Td	NeB	g
- 9	- 111	- 80	- 66	- 1
9 - 14	111 - 71	80 - 125	66 - 42	1 - 1.5
14 - 20	71 - 50	125 - 180	42 - 30	1.5 - 2
20 - 25	50 - 40	180 - 225	30 - 24	2 - 2.5
25 - 32	40 - 31	225 - 290	24 - 18	2.5 - 3
32 - 58	31 - 17	290 - 520	18 - 10	3 - 4
58 - 96	17 - 10	520 - 860	10 - 6	4 - 6
96 - 136	10 - 7	860 -	6 - 4	6 - 10
136 - 176	7 - 6	-	4 - 3	10 - 14
176 -	6	-	3 -	14 - 17.5

Unique Quality drop wires are designed as per international standards and are suitable for all modern weaving looms running at high speeds.

OPEN TYPE



CLOSED TYPE



UNIQUE QUALITY

HEALD WIRES & DROPPERS

UNIQUE INDIA

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