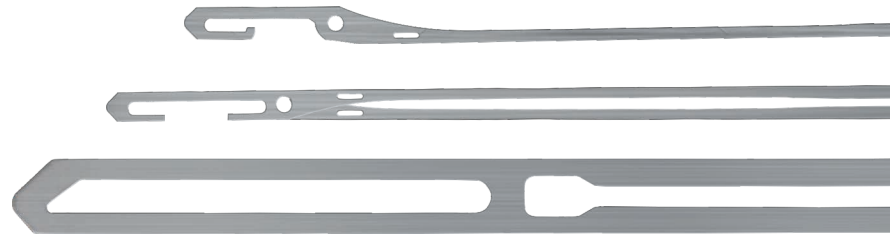




Experience **the Revolution** in Weaving



Initiation

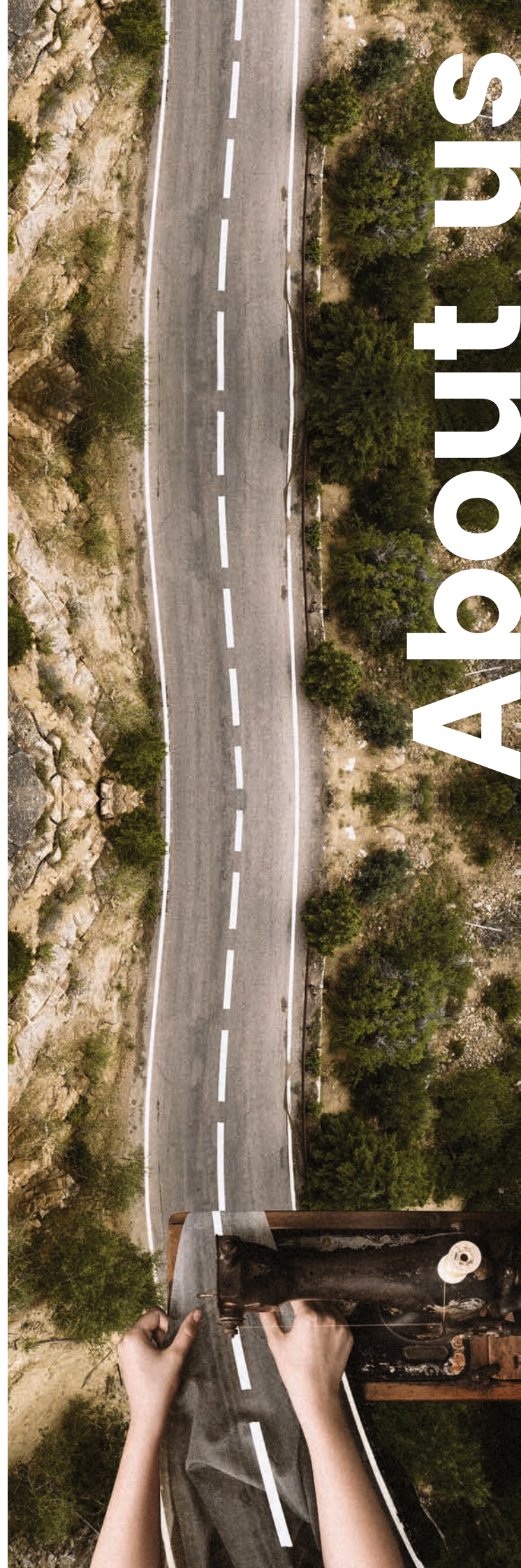
Key brand had been one of the leading manufacturers of Flat Healds and Drop Pins for over seventy years. We were Established in 1952 as the National Wire Heald Works Pvt. Ltd., (NWHW) and were India's largest and most reputed manufacturer of Flat Healds and Drop pins. Founded with the mission to deliver the best to the textile industry, they had etched out a distinct image as a Healds and Drop pins manufacturer to become a preferred choice in the Indian Textile Industry.

Key To Better Weaving

For more than 70 years Key Brand® have had a strong practice in designing and manufacturing the best quality weaving accessories for superior weaving. Our consistent and determined efforts in improving the design & manufacturing practices have enabled us to remain the most prominent brand of healds & Drop pins in the market. Key Brand's own in-house developing and exclusive polishing techniques guarantee maximum abrasion resistance, life, speed and strength of our weaving accessories. Key Brand® offers best solutions to meet your demand for systematic and better quality weaving. Key Brand® doesn't only have unique values, but its accessories have best quality finish, we offer value for money and the products are available in short time period. Our products are best combination for better weaving.

Inspection Process

The Seven stage intense inspection processes make all of our products precise by dimensions, shape, shiness, burr free etc. The inspection is done on every stage of production. The detailed inspection processes are done to give you comparatively best quality products.



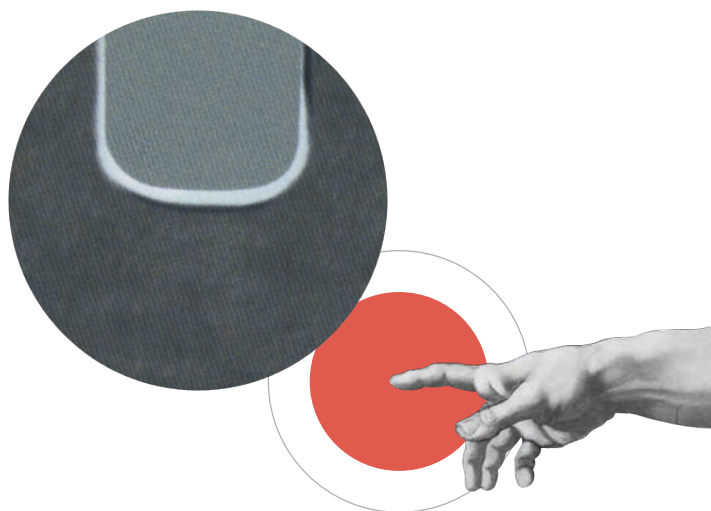


Finest raw material

Our team of technical experts and our experience, and we make sure that the best quality of raw material is selected for each application. Hardened and tempered stainless is a durable choice for high-speed weaving conditions. The material we use withstands best, the yarn cutting the heddle eye. Whereas non-tempered steel heddles provide a reliable, cost-effective answer to corrosion issues, especially for water jet weaving machines.

Ultimate Deburring

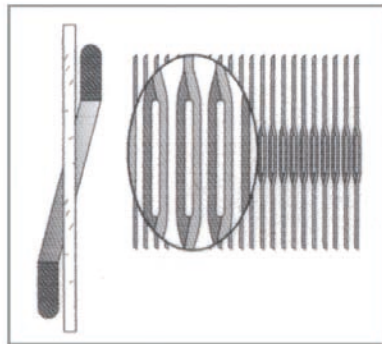
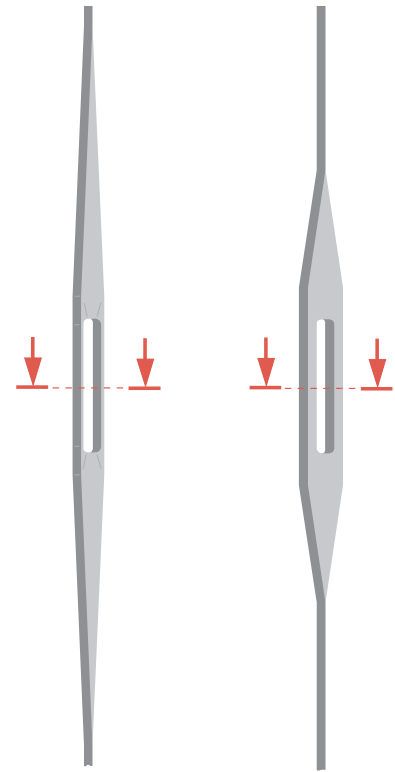
For most delicate fabrics our best quality of deburring can be the ultimate solution. Through our top of the range of polishing process, the surface of the complete heddle become high quality polished to treat the most delicate and finest yarns.



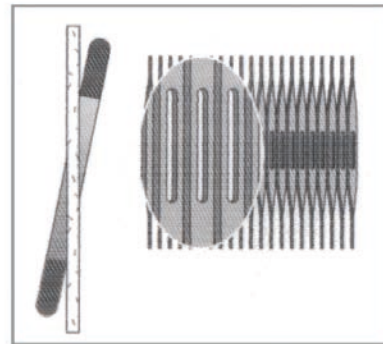
Key - Eye®

Key Brand® revolutionised the thread eye with the Key Eye®.

- This engineered design allows unrestricted yarn passage, and intensely reduces friction between the yarn and heddle, resulting enhanced machine efficiency.
- It guarantees increased air space between heddles and upto 30% more heddle density per cm.
- It makes smooth transitions during shedding.
- All contribute to higher loom speed, decreased yarn chaffing, fewer heddle frames and reduced energy intake.
- Compatible with the top of the range best quality high speed drawing-in machines, Key Eye® is providing very successful on a wide variety of fabric styles woven on rapier, water jet and air jet weaving machines.



Key Eye



Normal Eye

CENTER EYE CONFIGURATION

End Loop	J				C				O	
Tex	30	72	250	250	30	72	250	250	30	72
Nm	34	14	4	4	34	14	4	4	34	14
Td	300	650			300	650			300	650
NeB	20	8	2	2	20	8	2	2	20	8
Nek	30	12		4	30	12		4	30	12
Cross Section (mm)	5.5 X 0.25 5.5 X 0.30	5.5 X 0.30 5.5 X 0.38 6/7.2 X 0.30	5.5 X 0.30 5.5 X 0.38	5.5 X 0.30 5.5 X 0.38	5.5 X 0.25 5.5 X 0.30	5.5 X 0.30 5.5 X 0.38 6/7.2 X 0.30	5.5 X 0.30 5.5 X 0.38	5.5 X 0.30 5.5 X 0.38	5.5 X 0.25 5.5 X 0.30	5.5 X 0.30
Thread Eye (mm)	5.5 X 1.2 -	6.5 X 1.8 -	6.5 X 2.5 -	8.0 X 3.8 -	5.5 X 1.2 -	6.5 X 1.8 -	6.5 X 2.5 -	8.0 X 3.8 -	5.5 X 1.2 -	6.5 X 1.8 -



Choosing the most appropriate Drop pins

When we select drop pins, we have to consider the type of stop motion, weight, length and entering requirements. The drop pin should be heavy enough to trigger the stop motion when a warp end breaks, but not so heavy that excessive strain is put on the yarn. If we give an example, a fuzzy yarn which could produce tight-fitting may require a drop pin with more weight to properly activate the stop motion than a smooth yarn of the same count.

Drop wires for electrical warp stop motions

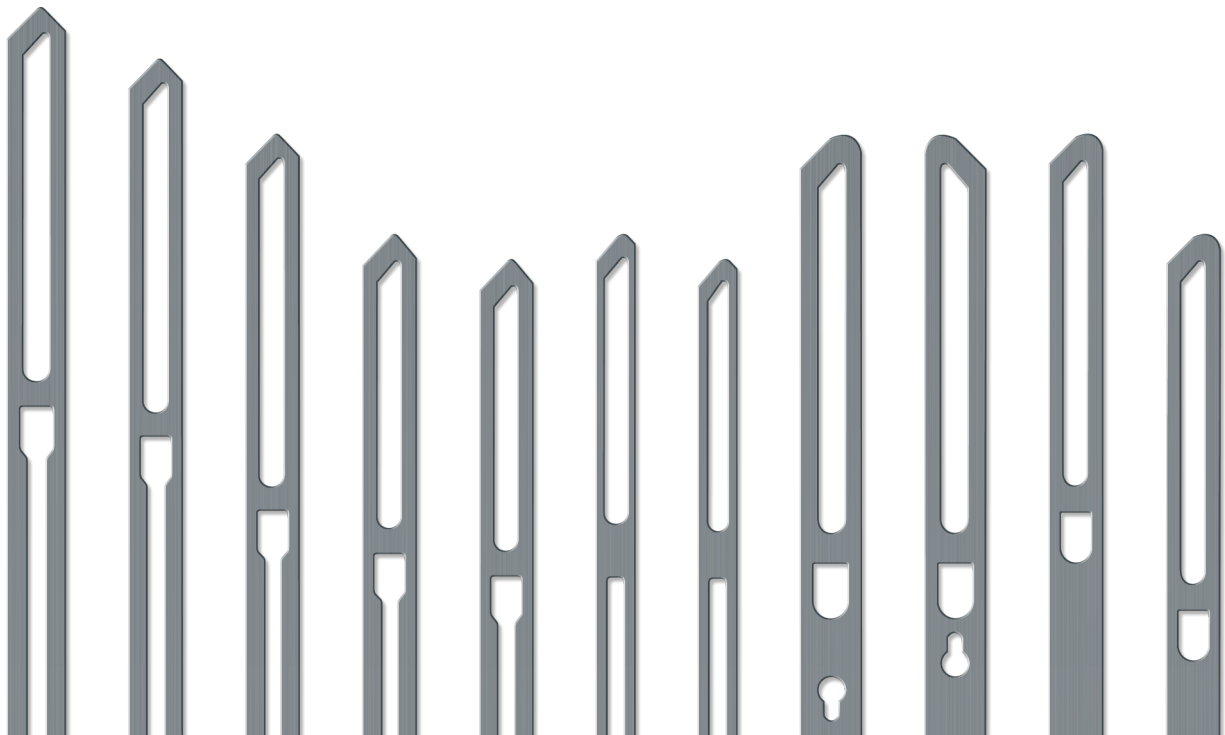
	L'	B'	L1'	0.2	0.3	0.4	0.5	0.6
	145	11	65	1.8	2.7	3.7	4.6	5.5
	156	11	65	2.0	3.0	4.0	5.1	6.1
	165	11	65	2.2	3.2	4.3	5.4	6.6
	180	11	65	2.4	3.6	4.9	6.1	7.3
	145	11	65	1.8	2.7	3.7	4.6	5.5
	156	11	65	2.0	3.0	4.0	5.1	6.1
	165	11	65	2.2	3.2	4.3	5.4	6.6
	180	11	65	2.4	3.6	4.9	6.1	7.3
	145	8	53	1.2	1.8			
	156	8	53	1.3	2			
	165	8	53	1.4	2.2			
	180	8	53	1.6	2.5			
	145	11	65	1.6	2.3	3.1	3.9	4.7
	156	11	65	1.7	2.5	3.4	4.2	5.1
	165	11	65	1.8	2.7	3.6	4.5	5.5
	180	11	65	2	3	4	5	6

Drop wires for electrical warp stop motions

- Ability to supply the correct drop pins
- Manufactured from best quality hardened and tempered stainless steel
- Stops instantly due to breakage warp yarn
- Can be used in any auto drawing in machine
- Manufacturing process used is best in class punching, cutting and polishing techniques.
- Intense inspection on every stage of manufacturing to maintain high quality and standards
- Stainless steel that makes is Best resistance against corrosion due to yarn finishes, humidity and ultrasonic cleaning.
- Designed to provide a perfect combination between loom type and speed, yarn characteristics and stop motion type to ensure an efficient weaving system.
- A wide range of drop pins with widths best suited to the particular application which are very well deburred and very dependable to help reduce false stops and avoid fraying of delicate.
- Aim for minimum of 60% air space on the rod that will allow the pin to fall and not crowd on the electrode.
- Wide range of length encapsulating maximum length possible to locate more weight below the warp line, in order to decrease swaying and skipping that may cause false stops. Longer drop pins can meet essential weight in thinner strips and reducing crowding.

Determination of drop wire weights

Tex	Metr. Count NM	Denier Td	Engl. Count NeB	Weight g	Thickness S = mm	No. per row (cm)
1 - 9	111	- 80	- 66	- 1	0.2	20
9 - 14	111 – 71	80 – 125	66 – 42	1 – 1.5	0.3	14
14 - 20	71 – 50	125 – 180	42 – 30	1.5 – 2	0.4	10
20 - 25	50 – 40	180 – 225	30 – 24	2 – 2.5	0.5	7
25 - 32	40 – 31	225 – 290	24 – 18	2.5 – 3	0.6	5
32 - 58	31 – 17	290 – 520	18 – 10	3 – 4	0.65	4
58 - 96	17 – 10	520 – 860	10 – 6	4 – 6	0.8	3
96 - 136	10 – 7	860 -	6 – 4	6 – 10	1.0	2
136 - 176	7 – 6		4 – 3	10 – 14		
176 -	6 - 1		3 – 1	14 – 17.5		



We have expertise in offering
**precision and
superior quality
products.**



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