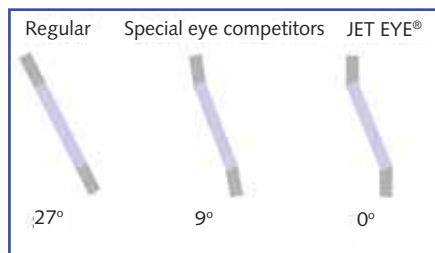


## Steel Heddle JET EYE®

Research on why the "zero degree" eye design of Steel Heddle® is the best special formed eye on the market for minimal filamentation.

The study compares the JET EYE® to the special formed eye heddles from a close competitor. It reports the weaving efficiency and number of warp stops on 3 types of fabrics woven with JET EYE® and with the special formed eye from the competition.



### Special formed eye

Steel Heddle® was the first company that launched the special formed eye design for reduced filamentation. This unique heddle design, called JET EYE®, was already patented in 1994, the first patent for such heddle eye type.

The specialty of the JET EYE® is that it has a "zero degree" eye whereas a regular heddle has a 27° angle and competitors special heddles have 7 to 9° heddle eyes.

### Minimal filamentation

This makes that the Steel Heddle JET EYE® is the only heddle where the warp yarn is 100% parallel with the heddle and thus provides lowest friction to the warp yarn.

Therefore, technical experts believe that it handles most gentle the warp yarn, resulting in less warp stops, less filamentation and better fabric quality. Additionally, it enables to increase the heddle density up to 32%.

### The study set-up

An independent company was selected as the location for this comparative research. Stainless steel heddles with identical eye sizes and material were acquired from both manufacturers for comparison between each other. The heddles were tested on the same machine and settings and with the same weft and warp material. This test was conducted mid 2009.

### The results

Based on the data compiled in this research, it was determined that the weaving efficiency with JET EYE® is on average 6% better than competition. Additionally, the number of warp stops with JET EYE® is on average 40% lower than with the special eye of competition. Many weaving managers might consider this difference in warp stop levels to be a practical improvement particularly if currently purchasing replacement heddles or specifying heddles for new weaving installations.

Therefore, according to GTP the best weaving performance is still guaranteed with the Steel Heddle JET EYE® heddle.

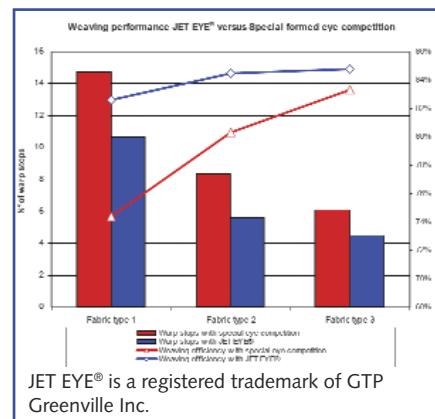
The technical experts and agents at GTP can be contacted by email [sales@globaltextilepartner.com](mailto:sales@globaltextilepartner.com) to discuss further the benefits of the JET EYE® and for checking the trial conditions.

### GTP ... the true Textile Partner

With over 110 years of expertise in developing innovative weaving accessories for technical textiles and other textile segments such as leno and narrow fabric, GTP helps the weaver to get best performance out of loom in a cost-efficient matter.

With more than 2000 valued customers around the globe and sales & service offices in the biggest textile markets worldwide, GTP proves to be a true partner.

More information on the complete GTP product range is available on [www.globaltextilepartner.com](http://www.globaltextilepartner.com).



## Steel Heddle® breaks all records: Presenting the longest frame without center support

Steel Heddle® has a long tradition of manufacturing and innovating accessories for the weaving industry. The company presents the longest frame ever manufactured without center support. Steel Heddle® is the first weaving accessories producer that launches a wide frame of 5475 mm long without center support. Weaving at high speed, and used for the production of technical fabrics, this frame outstands any other frame in the market in terms of efficiency and reliability.



### Optimal balance between Aluminium and Carbon

The unique frame model that can work in these extreme conditions is the well-known HybridPower 158 frame. This aluminium frame is foreseen with carbon strips and gives the frame the required stability to run at high speeds and without center support at ease. Over 40.000 HybridPower 158 frames have already been supplied to customers around the world.

### Interested in weaving without center support ?

Our technical experts and agents are available to discuss with possibilities to weave without center support. The readers are advised to call or email GTP at [sales@globaltextilepartner.com](mailto:sales@globaltextilepartner.com) for checking the conditions.

GTP helps its customers to get best performance out of the loom in a cost-efficient matter. With more than 2000 valued customers around the globe and sales and service offices in the biggest textile markets worldwide, GTP proves to be a true partner. ♦