

Press Release

05.01.2010



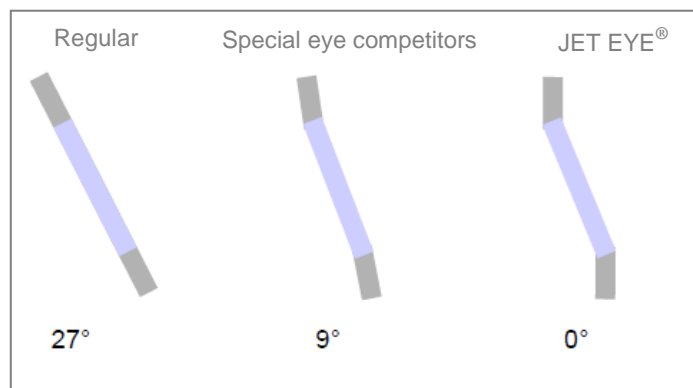
Research on why the “zero degree” eye design of Steel Heddle[®] is the best special formed eye on the market for minimal filamentation.

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, we believe 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

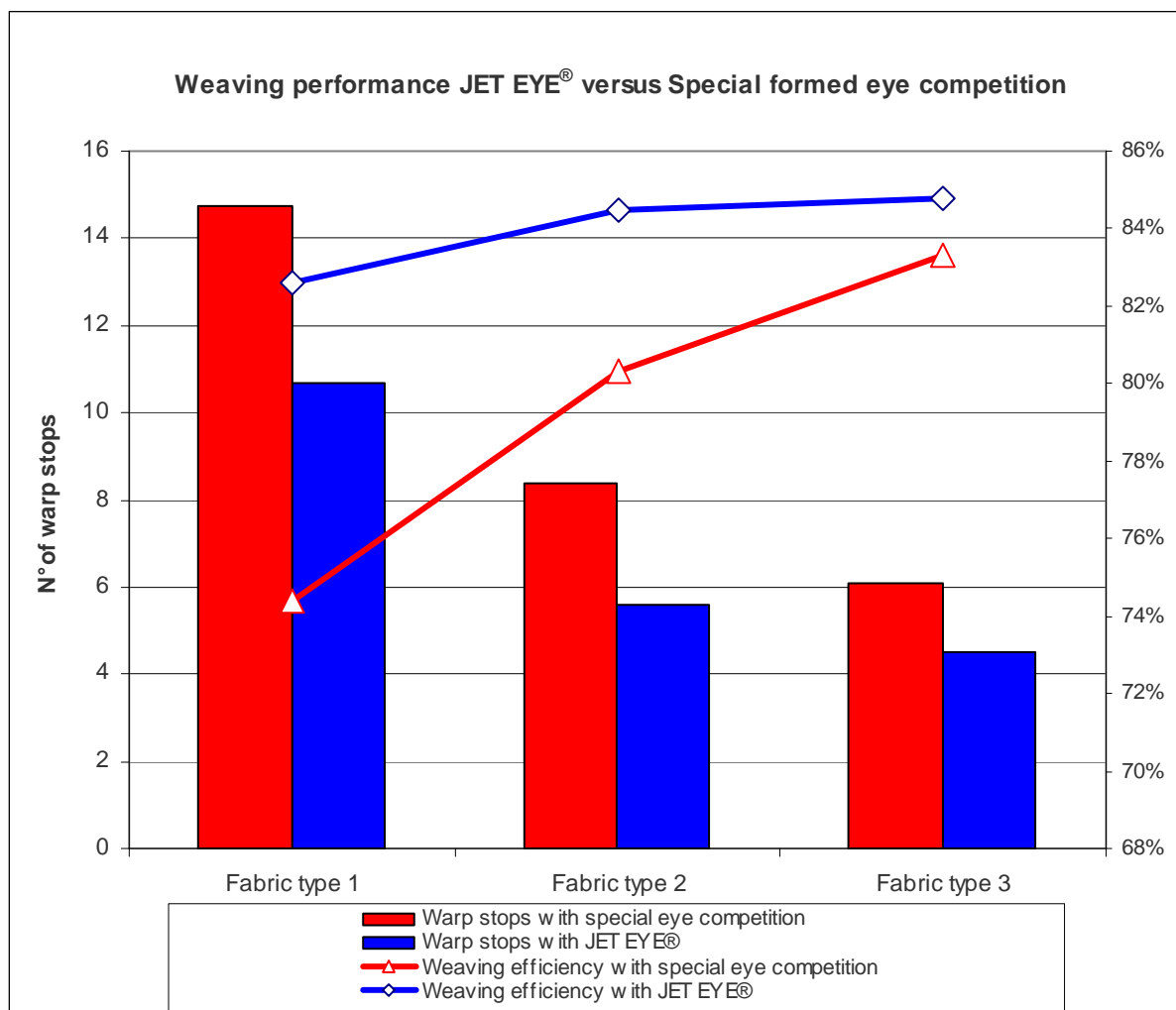
An independent company was selected as the location for this comparative research. Stainless steel heddles with identical eye sizes and material were acquired from both manufacturers for comparison between each other. The heddles were tested on the same machine and settings and with the same weft and 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, we believe the **best weaving performance** is still guaranteed with the Steel Heddle JET EYE® heddle.



JET EYE® is a registered trademark of GTP Greenville Inc.

Do you want to experience this difference too ?

Our technical experts and agents will gladly discuss with you further the benefits of the JET EYE® .

Call or email us at sales@globaltextilepartner.com 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 you to get best performance out of your 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

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STEEL HEDDLE

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