

Antatex HYBRIDPLUS+

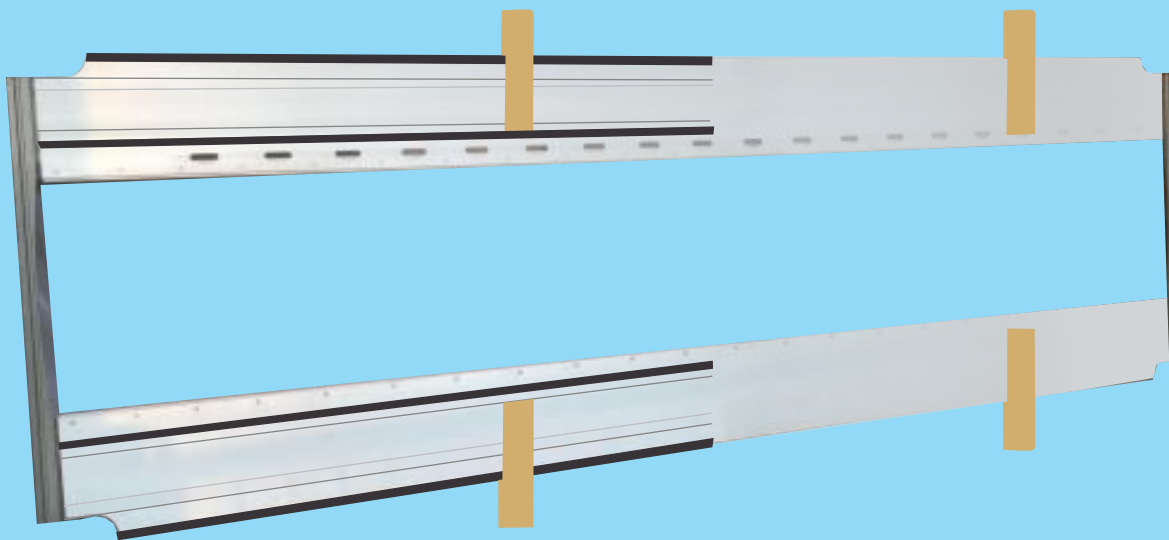
CARBON REINFORCED HEALD FRAMES



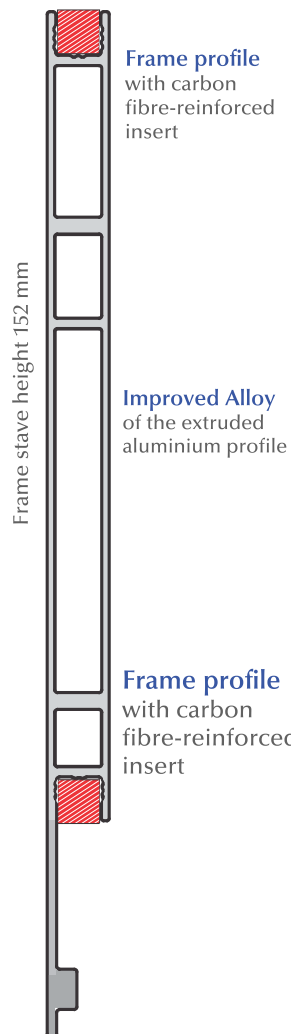
High operating speeds and high efficiency is the key to success for any modern weaving mill.

With ANTATEX HYBRIDPLUS+ heald frames, we provide a carbon fibre – reinforced, high performance heald frame based on a lightweight and high strength design concept. The design is such that it gives high bending resistance to its frame staves.

Antatex HYBRIDPLUS+



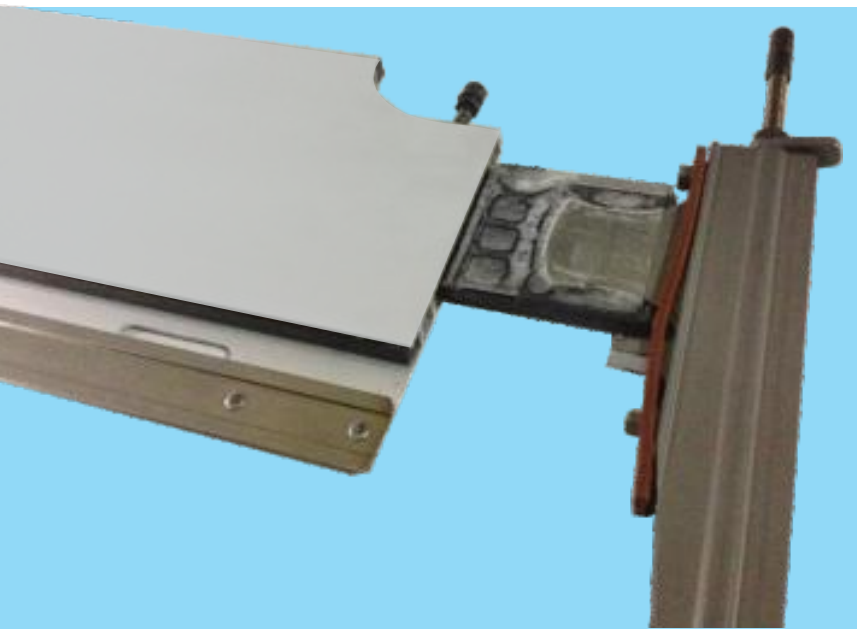
Reliable Antatex quality for weaving machines. Lightweight design helps to achieve maximum speeds. A unique design incorporating the sectional aluminium and high-performance carbon fibres makes the extremely lightweight frame staves suited to withstand the dynamic loads of modern high-speed weaving machines. This is a super critical factor in applications with positively-controlled heald frame movements.



INNOVATIVE CARBON FIBRE PROFILE ARRANGEMENT

For nominal width weaving machines up to 2800mm, dual carbon fibre-reinforced frame staves with a height of 152mm are used both for the upper and lower frame stave. For larger nominal widths and heald frames with three or four drive points, a double carbon fibre-reinforced frame stave with a height of 152mm is used above. Below a geometrically adapted light metal frame stave is used, providing for the unrestricted positioning of driving connections.

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BENEFITS OF ANTATEX HYBRIDPLUS +

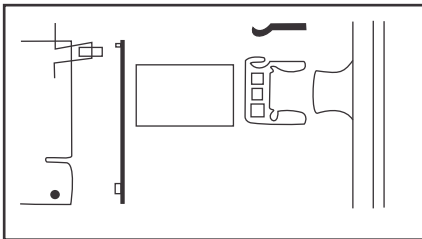
- Maximum bending resistance of frame staves
- Suitable for automatic draw-in machines
- Application for use without intermediate support even at wider nominal widths
- Innovative design with two carbon fibre profiles in the same frame stave

BENEFITS TO THE CUSTOMER:

- Potential to achieve higher operating speeds
- Facilitates manufacturing of high density fabrics without an intermediate support
- Increases the service life because of the strength and rigidity of the carbon fiber profile.

RELIABLE CORNER CONNECTIONS

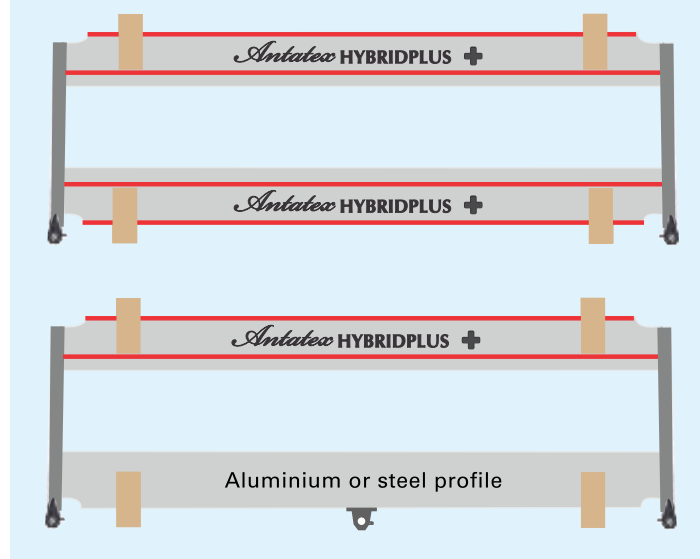
Antatex heald frames are equipped with performance proven corner connections. They are made of special materials that absorb vibration at high speeds and prevent the lateral supports to create a play in the running of the frame. They prevent the lateral supports to wear out easily resulting in a long life of the lateral supports.



WITHOUT INTERMEDIATE SUPPORT

The heald frame application without an intermediate support substantially reduces weaving machine downtime in both drawing-in and pattern changing. It also eliminates the fabric quality problems during the weaving process relating to intermediate supports.

Flexibility of Design Alternatives



VARIED RANGE OF APPLICATION ON AIR-JET, PROJECTILE, AND RAPIER WEAVING MACHINES

HEALD FRAME WITH THREE AND MORE DRIVE POINTS

If several driving connections below are required, the lower frame stave provides optimum stability at the same time as the stability of the upper stave is insured through its double carbon fibre reinforcement, permitting operation without intermediate supports.

Antatex **HYBRIDPLUS+** CARBON REINFORCED HEAD FRAMES

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