

# Group and Support Hoses Efficiently

## Strap-Wrap™: another innovation by Taimi Hydraulics

The use of plastic spiral wrap for protecting hydraulic hoses from abrasion and external damage is very common on mobile equipments.

Plastic spiral wrap is often submitted to extreme conditions. Plastic can extend, loosen and slide down the group of hoses. Challenging conditions like extreme cold can lead plastic spiral wrap to break.

Recognizing the strengths and weaknesses of spiral wrap, Taimi Hydraulics developed and patented the Strap-Wrap™; an innovative way to group and support group of hoses. Made out of flexible webbing reinforced with kevlar, Strap-Wrap™ allows for the following benefits:

1. Groups and protects hoses against stretching and tearing
2. Can be solidly attached at both ends and will not shift during operation
3. The Double Strap allows for attachment of hose group at several points along the line, facilitating best possible routing
4. Resistant material, with little to no sensitivity to temperature variations
5. Excellent visibility in underground mines and at night
6. Can group as many hoses as you need
7. Up to 8,500 lbs traction resistance
8. Flexible and easy to install

## Applications



Group and protect hoses on pile driver against stretching and tearing.



Group and protect hoses against stretching and tearing when servicing wind turbine. Fittings don't need to support the weight of hoses and will not pull out.

Strap-Wrap™ works well on longer hose groups, taking the load off of the press fittings.

See our YouTube video (keywords: Taimi, Strap)

<http://www.youtube.com/watch?v=hJ8HN6G4qf4>

Strap-Wrap™ is also used on forestry, mining and oil extraction equipments.



## How Does It Work?

Taimi's Strap-Wrap™ product consists of the Single and the Double strap. The Double Strap is used as the main support strap while the Single Strap is woven into Double Strap and rolls around the hose group.



← **Double Strap**

← **Single Strap**

There are three different ways to group and support hoses with Strap-Wrap™.

## 1. Single Strap Woven into Double Strap

Here is how to proceed: Cut the Double Strap to the length of your hose group, leaving some extra length at both ends. You can later use the extra length to attach your hose group to your machine, or trim it off if you don't need it.

Put the Double Strap along your hose group, leaving some extra length go past the press fittings as shown on the picture.



Weave the Single Strap nice and thigh around the hose group and into the Double Strap's loops.



Stop weaving 1' (30 cm) before you reach the end of hose group.



Double the Single strap into the last used loop.



You can now simply tie the Single strap into a knot to secure the assembly,

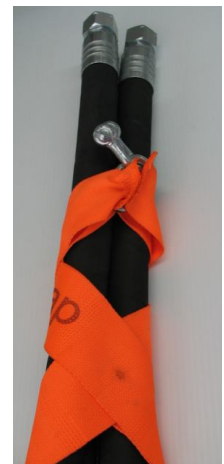


You can use different type of attachment to fasten your hose group to your machine. Add a piece of chain if needed.



## 2. Double Strap Woven Into Double Strap

Another way to use Strap-Wrap™ to group and support a group of hoses is to weave Double Strap into Double Strap in a repetitive X pattern.



### 3. Plastic Spiral Wrap Woven into Double Strap

Taimi's Strap Wrap™ can also be used along with plastic spiral wrap to keep it from sliding down the hose group. Just weave traditional spiral wrap into a short length of Taimi's Double Strap and attach it to your machine.



Spiral wrap woven into Double Strap on a boom with harvesting head. Spiral wrap will not slide down with time.