## An Inside Downhaul System for RS:X Sailboards

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Over the 2009-2011 period, I've developed a downhaul system that sits inside the luff sleeve of an RS:X sail. It has the following potential advantages over a traditional outside downhaul system:

- doesn't chafe the sail
- most ropes and pulleys are out of the way
- fairly easy to rig, as the downhaul can be left on the mast permanently
- smoother airflow over the part of the sail where the outside downhaul would be

If you want to try a similar system yourself, the following pictures show how it's done. This setup is for 4cm adjustment at the sail tack. 5cm adjustment can also be used if desired, by moving the main tie-on point higher up (but it must be tied beneath the camber though, so it doesn't interfere with it).



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