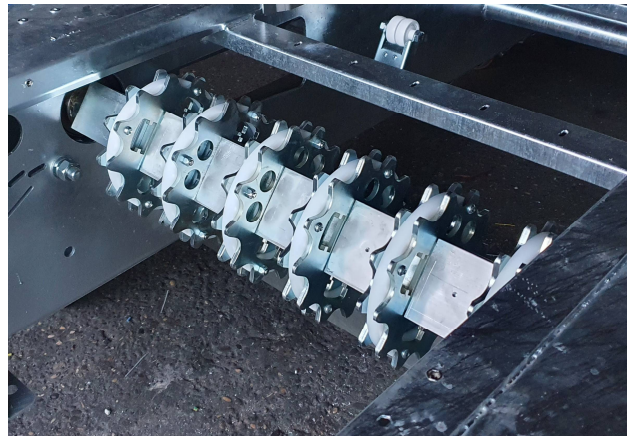


Difference between rubber belt and plastic belt

- 1) **Adapt to the ground:** Plastic belt can be adapted to the ground because it has metal sprockets that drive and traction the carpet. For this reason the tension in plastic belt is less than a rubber belt and it can follow better the contour of the ground (no need work the ground with plastic belt). Less tension leads less stress to the carpet (for long carpet this is very important).

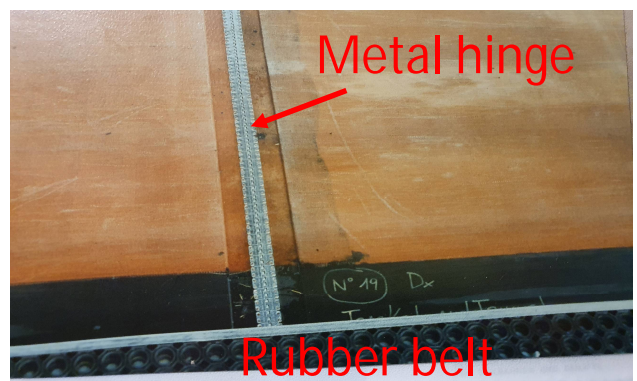


- 2) **Low top and bottom station:** we don't need a big tambour for tension the belt because we have sprockets that drive the carpet. For this reason we have a low top and bottom station that need less snow than rubber version.

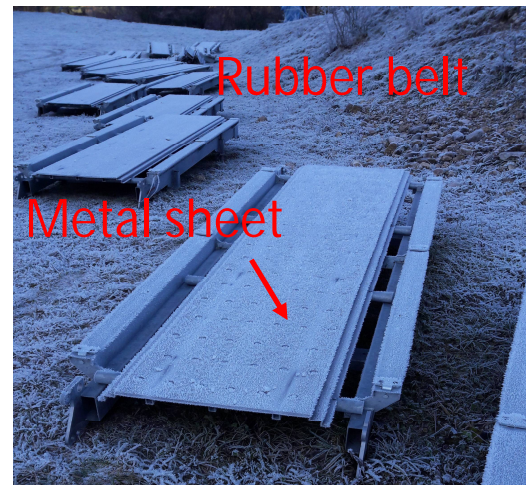
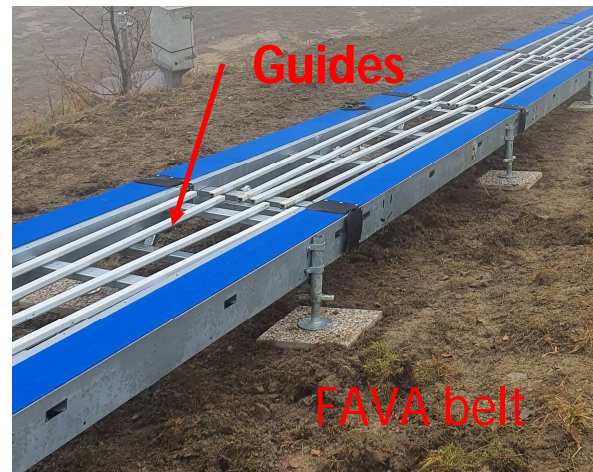


- 3) **Plastic belt is always in traction:** rubber belt has a tambour and it needs a lot of tension because the belt works by friction with the tambour. This is a problem for long rubber belt because, in this case, there is high weight on the carpet (carpet long, more people on) and it can skid. With plastic belt it can't happen because there are sprockets that guide the carpet. The rubber belt is not good for long carpet and if there is some ice under the carpet it is difficult that it runs immediately because it can skid.

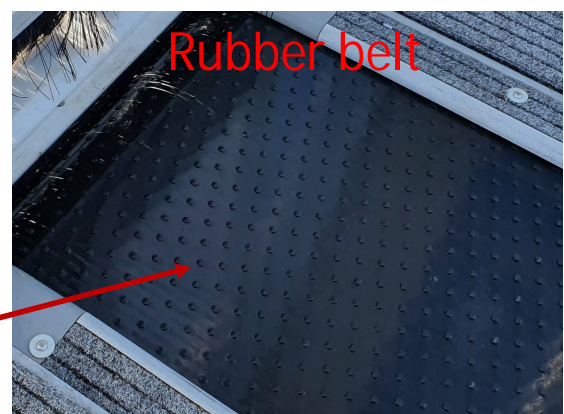
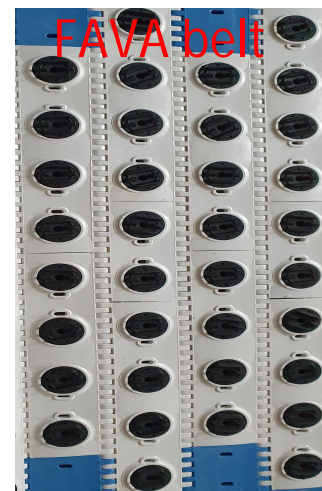
- 4) **Constant resistance section:** plastic belt has constant resistance section, on the contrary rubber belt has a weakening point where there is the metal hinge and here the section of the belt is smaller (warning of break).



5) **Draining surface:** plastic belt has a draining surface because there is a lot of guides under the carpet and low friction (look the picture). Otherwise the rubber belt crawls on a metal sheet and if some water enters between the carpet and the metal sheet it can form a layer of ice that can block the belt. High contact area between rubber belt and metal sheet leads high friction.



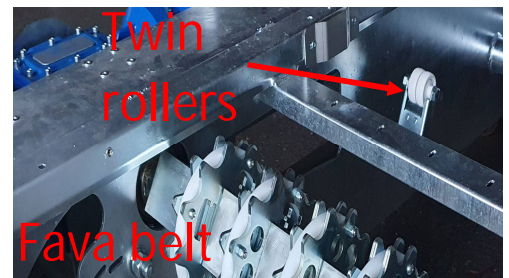
5) **Unslippery surface:** Fava belt has a new type of unslippery rubber pad made from a soft mix for a great grip (tested with slope more of 30%). This pad has a vulcanized washer inside and it can't go out from his housing cavity. Otherwise the rubber belt is slippery because has a small contact area between skiers and carpets (look the picture).



The skier has contact with the belt only in this small point relief. Small contact area means low grip

- 6) **Flexible:** the FAVA belt is modular and it is very simple extend or short it because you just need open the carpet and add or remove link. With rubber belt is more complicated and if a part has been damaged you have to change all the carpet. With plastic carpet you can change only the damaged part. The rubber belt is black and for the sun is not the best (gets old quickly, look picture).





7) Low maintenance: Under all type of carpets there are some rollers that support the belt. After some years the bearings of the rollers may be subject to seizure; but they are under the carpet and it is difficult that the operator notices immediately with consequent consumption of the belt. FAVA install in his carpet a twin rollers obtaining a redundant system that means less maintenance. In the rubber belt that is no possible.

