Industrilås
When access counts

Steel and Wire Carrier in Sealing Profiles

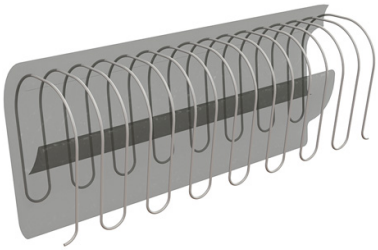
Our sealing profiles and edge protections have a core (called "carrier") of metal to improve the grip on the material the product is attached to. The carrier may be one of three kinds:

Wire carrier
This type of carrier is a thin wire moulded into the profile. This results in a in a profile that is soft and is relatively easy to bend in all directions. The grip (clamping effect) is softer than the next two options.

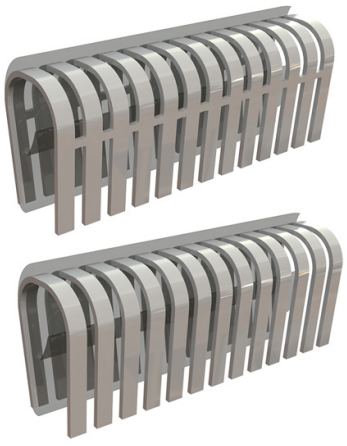
Steel carrier – unbroken
Here, a thin, unbroken, metal strip is moulded into the profile resulting in a better grip (clamping effect) when the profile is attached to the door. The steel carrier makes the profile less flexible, and is more suitable for straight applications or curves with a large radius.

Steel carrier – broken
In this version, the thin metal strip is moulded into the sealing profile, but it is broken up in many small parts - resembling a long row of small metal clips. The result is a profile with a good grip - and with a better flexibility than with a solid carrier. In this application, the profile may result in a slightly uneven strand over time. This version should be used if you need a profile with a good grip and if it will be used in an application with curved areas.

The choice of either a steel or wire carrier largely depends on the application and the desired appearance. Therefore, practical tests are required in your particular application.



Profile with wire carrier results in a soft, relatively flexible and pliable profile with increased gripping force thanks to the "springy" nature of the wire, holding the edge.



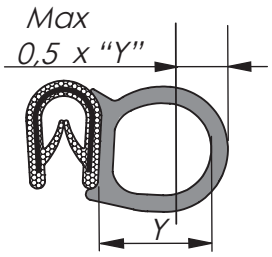
Profile with metal carrier unbroken (top) as a great grip on straight materials but is difficult to bend in curved areas as all clips are connected and made from one piece of metal.

A profile with broken carrier (bottom) is easier to bend around curves as the clamps are "separated".

To assist you, we have in many cases included the estimated bending radius values for the profiles in question. These values are only an approximation based on practical tests and should serve as guidelines for you. The profiles can also be installed in narrower radii, but then the hose or the lip will deform significantly.

Compression for sealing edge protection profiles

The compression of our sealing edge protection profiles should be at maximum 50% of the "bubble". In practice, the profile should be compressed 30-40% in order to creating the best possible tension in the "bubble", for the best seal possible.



Maximum recommended amount of compression of the sealing profile "bubble" for optimum sealing function.