

WSS

Wear Sliding Strips for moving parts

CASTOLAB SERVICES



WSS

- Increase service life of moving parts such as chains by remaining smooth.
- Reduce operations costs by keeping good sliding properties.
- Reduce maintenance costs and increase equipment availability.





Drag chain conveyors

Drag chain conveyors are ideal to carry material such as for instance wood, coal, lime or waste when a change in elevation is required and throughout very long distances. Unfortunately, the abrasive nature of the transported material negatively affects the equipment service life by:

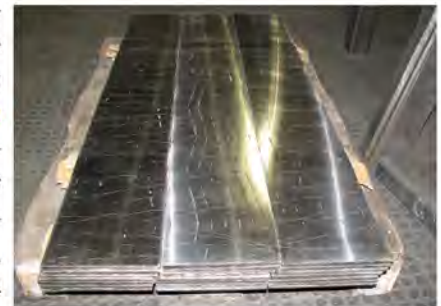
- wearing-out the conveyor surface,
- increasing the forces required to pull the chain.

Most of the time, as it can be seen in the picture, **high wear appears on the chain path**. As a result, the surface is not smooth anymore, **forces increase, chain is damaged and maintenance must regularly be made** to avoid equipment failure.



WSS for drag chain conveyors

Within Castolin, we were used to protect our customers' conveyors surfaces with our well-known CDP wearplates. Premium polished CDP were also installed when a low friction surface was required. Today, based on a similar concept, we offer the easy-to-install **WSS** that **protect chain path** against severe abrasion and friction. WSS are a composite material made with mild steel and a specific high wear resistant alloy with low friction coefficient. Furthermore, in order to ensure good sliding properties and consequently reduce the chain conveyor energy consumption, the strip surface is polished. As a result, our strips are at least 4 times more resistant than steel; the surface remains smoother for a longer period of time which eventually also reduces the chain damage.



WSS surface is polished for better gliding properties

Other applications

WSS are also suitable for machines that have to sustain high forces and vibrations while working in abrasive environments.



Wear Sliding Strips used on a brick mould machine

WSS are exclusively provided by CastoLab® Services

WSS are provided only by CastoLab® Services workshop. Your sales representative will be happy to explain this concept more in detail. Do not hesitate to contact him for additional information.

Available sizes

You can have our strips in different sizes.

WSS code	Width (mm)	Thickness (mm)	Length (m)
WSS 50x10x1500	50	10	1.5
WSS 50x12x1500		12	1.5
WSS 50x15x2700		15	2.7
WSS 60x10x1500	60	10	1.5
WSS 60x12x1500		12	1.5
WSS 60x15x2700		15	2.7
WSS 70x10x2700	70	10	2.7
WSS 70x12x2700		12	2.7
WSS 70x15x2700		15	2.7
WSS 80x10x2700	80	10	2.7
WSS 80x12x2700		12	2.7
WSS 80x15x2700		15	2.7
WSS 100x10x2700	100	10	2.7
WSS 100x12x2700		12	2.7
WSS 100x15x2700		15	2.7
WSS 200x10x2700	200	10	2.7
WSS 200x12x2700		12	2.7
WSS 200x15x2700		15	2.7