



Applications :



Different cover properties:
refer to the website.

Thickness and weight of the belts:
according to technical sheets on request.

Minimum diameter of use of the drums:
see details on Depreux brochures aboveground
application.

Joining procedures:
available on request.

Solid-woven belts with rubber or PVC covers PVG/FIREMASTER - PVC

Firemaster-PVG belts are used when a long service life is expected. It is for use in applications which are characterized by severe operating conditions such as high speed systems, presence of large material, risk of impact damage, longitudinal tearing, or edge wear.

Firemaster-PVG belts are also used for long distances and/or when the system faces a steep slope. This belt will be better for these applications than a standard ply or steel cord belt because of its high mechanical and corrosion resistance, the lower power requirement, the ease of installation and maintenance and its superior mechanical fastener holding.

Condition of use: from 0°C to 50°C. The belt is insensitive to moisture and rot-proof.

A major advantage over ply belts is that Firemaster-PVG belts need smaller drum diameters. The advantage over steel-cord belts is that Firemaster-PVG belts usually need less power to function.

Belt structure

The solid-woven textile is made of polyester (E) yarns in the warp direction to minimize the stretching of the belt, and of polyamide (P) yarn in the weft direction for good belt flexibility.

- At 10% of nominal belt tensile strength: 1 % maximum
- Elastic stretch: 0.5% to 0.7% for standard carcass
- Permanent stretch : 0.4% to 0.7%.
- Excellent fastener holding capacity - from 50% to 90% - which makes this joining technique increasingly popular.

The solid-woven carcass is covered with cotton ply yarns laid in the warp direction, and special edge reinforcements which make the belt exceptionally resistant:

- to impacts by sharp or large materials,
- to longitudinal tearing,
- to carcass wear in case of substantial damage in the rubber cover.

As the carcass is highly compact, the thickness of the outer rubber covers can be reduced.

