

sempertrans® 
A MEMBER OF THE SEMPERIT-GROUP

SEMPERIT



Belt Conveyor

Sempertrans has been developing, manufacturing and installing conveyor belts for more than 50 years. Its far reaching experience, state-of-art technologies and high production capacity as well as its know-how have made it one of the world's leading suppliers, guaranteeing excellent quality in terms of products and services.

Sempertrans places great importance on the quality of its products, services as well as on customer satisfaction, making it one of the world's leading companies in its field. In order to keep up with its own expectations of high standards, Sempertrans has developed a strategy over the years that is in tune with its basic principles, ensuring a personal and optimum response to the customer's needs.

Our sales representatives as well as our engineers are at your disposal to advise and will assist you throughout the whole process. Starting with an in-depth evaluation and a detailed design of your projects, then moving on to our start-up assistance and finishing up with the training for your maintenance staff, we are eager to not only provide you with the perfect belt but also to support you wherever and whenever we can.

Belt Selecting-Chart

		MINES	HEAVY INDUSTRY					GENERAL INDUSTRY								
			Cement works	Foundries / iron and steel industry	Pulp industry	Electrical energy	Chemical industry	Cereal / mine	Packaging / recycling	Salt	Glass	Public works	Sugar	Paper	Quarries / sand pits	Wheat
ABRASION RESISTANT	Transoly		■	■		■			■		■	■		■	■	■
	Multiply		■	■		■		■	■	■		■	■	■	■	
	Multigrain	■	■	■	■	■	■		■	■		■	■	■	■	
	PP-text in belts	■	■	■	■	■	■	■	■	■		■	■	■	■	
	Rip-stop	■	■	■	■	■	■					■			■	
	Mistekord	■	■	■	■	■					■		■		■	
	Metatrans	■	■	■	■	■					■		■		■	
RT/Supercord	■	■	■	■	■						■					
FLAME RESISTANT	Translam	■				■	■				■					
HEAT RESISTANT	Transtherm		■	■		■	■				■					
OIL AND GREASE RESISTANT	Transoil				■	■	■	■		■						■
	Transley EDG S							■	■							
SPECIAL APPLICATIONS	Transpuff								■		■					
	Transley	■				■	■		■						■	
	Autostable	■	■	■	■	■	■				■				■	
	Bidflon/Tridflon	■	■	■	■	■	■								■	
	Pipecord/Pipecons		■		■		■		■						■	
	Squarebelt		■		■		■		■						■	
	Roughtop		■		■		■		■	■						
	Transcut		■		■		■		■					■		
	Transglis								■		■			■		■
Transrigid	■	■	■			■	■			■		■		■		

Metalcord



Our Metalcord belt features a unique structure, boasting a carcass with three layers (1 warp, 2 wefts), resistant to the toughest tear and cut issues (100% metal carcass).

The weft layers are made of highly elastic metal cords covered in core rubber, resulting in a belt.

Benefits

- Higher resistance to impacts
- Stronger ability to reject foreign bodies
- Possibility of fastening (quick repair)
- Excellent cord/rubber adhesion
- Allowing the use of mechanical fasteners
- Ability to reject foreign bodies



Applications

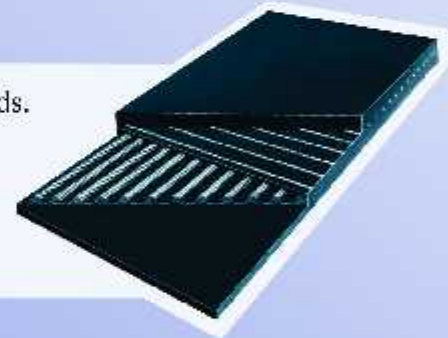
Harsh conditions of use
Up and down conveyors
Curved conveyors
Frequent stopping and starting
Conveyors with small pulley diameters

Metaltrans

Our Metaltrans belt consists of an assembly of two layers of rubber-core impregnated cords.

Original carcass consisting of:

- one layer of cords in the warp direction
- one layer of cords in the weft direction (instead of two for the METALCORD belt)

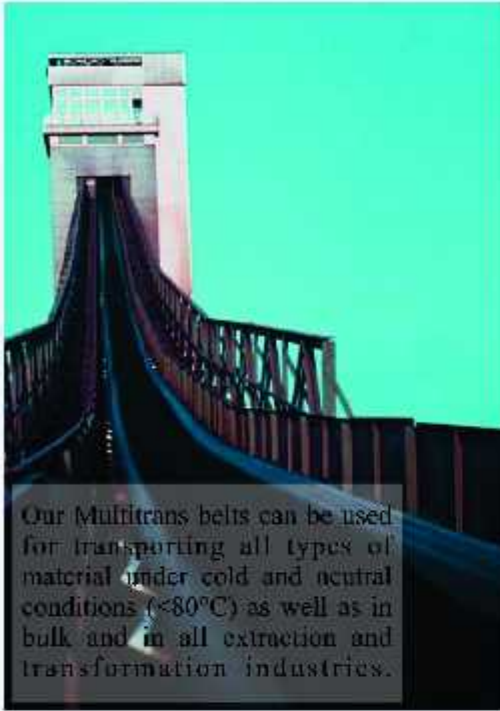


Therefore, the belt's structure is built out of cords equally and individually tensed, just like the METALCORD belt.

Each layer of all cords, warp and weft, is separated by a layer of rubber to avoid any risk of fatigue corrosion.

Belt complying with standard EN ISO 15236.

Multitrans or EP



Our Multitrans belts can be used for transporting all types of material under cold and neutral conditions (<math> < 80^{\circ}\text{C}</math>) as well as in bulk and in all extraction and transformation industries.

For average to severe working conditions

This belt consists of 3 to 5 EP (polyester warp and polyamide weft) or PP (polyamide warp and weft) synthetic fabric plies including a rubber interlayer (thickness varies according to type).



EP

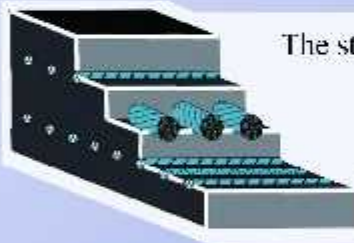
- The low-elongation polyester fibers run in warp direction, reducing the length of tension travel.
- The weft contains more elastic polyamide fibers to ensure good troughing.
- The carcass is protected by covers of D grade (superior quality anti-abrasive). This is recommended for very abrasive products and sharp materials (abrasion loss as per NFT 46012, ISO 4649 and DIN 53516, average value 100 mm³). These belts can also be produced with X, Y or Z cover grades standardized as per DIN 22102.

PP

In the warp direction, polyamide fibers are used, improving the impact resistance of the carcass.

Multitrans belts can be supplied with all available Sempertrans cover grades.

ST/ Sempercord



The steel cord belts produced by Sempertrans are characterized by their high level of operational safety and long life span. Stability and exceptional grip are the result of the continuous optimization of all stages of the production process

Area of Use: Coal mines, Extraction industry Ore transformation installations, Metallurgy Thermal power plants, Sugar mills, Port installations.

500 mm to 3,200 mm wide steel cord belts



Applications

- Severe conditions of use
- High outputs
- Large center distances and steep gradients
- High belt breaking strength

Unique advantages of SEMPERCORD ST conveyor belts

- Applicable in case of very high breaking strength (ST 7000 N/m)
- Low elongation, enabling the production of long conveyors with reduced tension travel
- Operating safety and long life span
- Transverse flexibility allowing the use of deep troughs
- Possible to use with low-diameter pulleys
- Internationally compatible RIP detection system