

SAATibelt

Advanced Textile and Belting Systems for the Whey Drainage

Since 1935, SAATI has been producing a diverse range of precision woven mesh, placing a specific focus on the food market and establishing proud partnerships with major food groups. Moreover, we have over 50 years of experience in belt fabrication for a wide range of applications, including food processing.

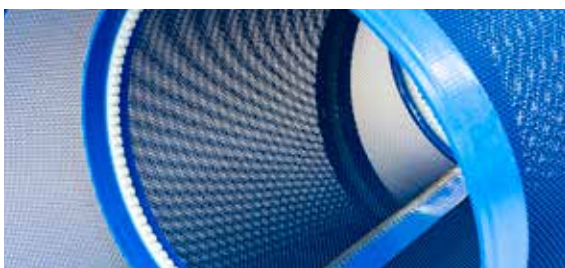
SAATibelt, designed for dairy production, is the dedicated line for draining, transporting, and processing cheeses. In particular the SAATibelt is employed to remove whey from the curd while the production of semi-hard and stretched curd (also known as pasta filata) cheese.

The high-precision weaving and finishing processes enable SAATI to supply a very consistent and smooth mesh with a uniform pore size and air permeability. The fabrication process allows for the production of a highly stable belt that can be cus-

tomized for any type of draining equipment.

Thanks to its stable surface, the SAATibelt prevents any fines generation during the cheese agitation process. The synthetic material prevents curd from sticking to the belt surface allowing for a quick and effortless cleaning of the belt.

To complete the range, the offer includes also edges and joints that are positioned along the entire belt length to ensure even and stable distribution of the load.

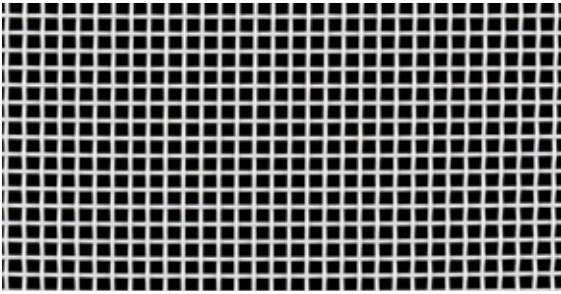
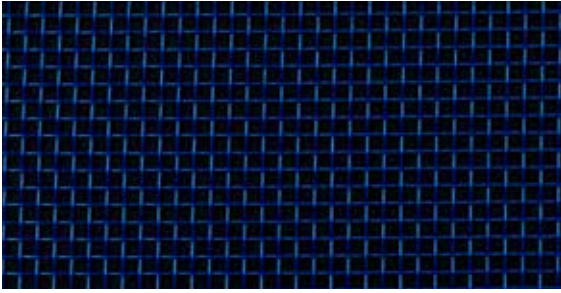


SAATI belts can be successfully used in different applications:

- For whey drainage
- For cheese processing and transportation

Food compliance is SAATI's priority for all the applications in this market, this is why SAATibelt fabrics for dairy products are intended to come in contact with food and are in compliance with the latest legal regulations:

- Compliance of composition: FDA code of Federal Regulation Title 21 part 177, paragraph 177.1500 and 177.1420
- Compliance of performance: 1935/2004/CE and EU 10/2011 regulations, full traceability, migration test and GMP compliance as per plastic material food contact regulation.



SAATI Belt Drying Features

- Mechanical and Thermal Stability – For optimal belt tensioning, product distribution, and long product life
- Hydrolysis Resistance – Better lifetime and resistance to drying and washing processes
- Smooth Surface – In order to prevent clogging and to improve drainage productivity
- FDA Polymer Approved
 - Conformity Declaration upon request
- Compliant with EU 10/2011
 - Conformity Declaration upon request



SAATI is able to fabricate finished belts, ready to be installed. This is a key factor that allow us to control all the aspects from the yarn raw material to the finished product. All of the belt components can be customized based on final application in order to be flexible and to supply a product that can meet all of the customers' technical requirements.

Edge coating is available in PET material that is the same as the mesh and that can grant the same resistance and lifetime, with a significant improvement versus the traditional PVC or PU.

Joint closures are available in different configurations, stainless steel, close ring, PET or PEEK in order to adapt the belt configuration to the different equipment types.

Guide systems are available in different configurations, the newest trapezoidal and notched PET guides are perfect for small radius cylinders and the low exercise temperatures.

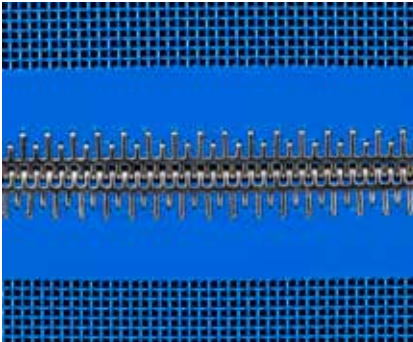
Polyurethane lathes are available in different width and height, they can also have holes and special surface patterns in order to avoid the "sucker effect" that can complicate product processing and release.

Item	Fiber	Air permeability (l/dm ² /min-200Pa)	Weight (g/m ²)
PES 870/47 (8.400)	Polyester	5480	290
PES 500/32 (12.385)	Polyester	4370	400
PET 4317	Polyester	2310	430
PET 1000 blue	Polyester	4850	365
PET 2000 blue	Polyester	6385	765
PPDL 0907 AP 1000	Polypropylene	1000	420

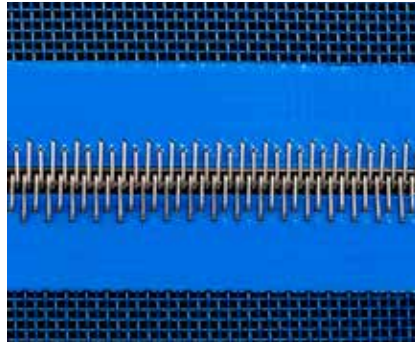
The listed technical specifications, exception made for thread diameter indicated with its nominal value, are referred to the arithmetic mean value of production samples and are subject to change, in accordance with our policy of continuously improving our products.

List of Accessories

Joints and Cleats



G3 HF
Inox Alligator Joint



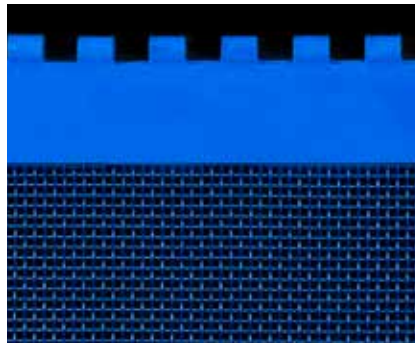
K3 HF
Inox Yarn Joint



CLNP A HF
Endless Joint



Anker RS125J - RS62J
SS applied jointRS 125 or RS 62



Flash Joint
Plastic Welded Joint

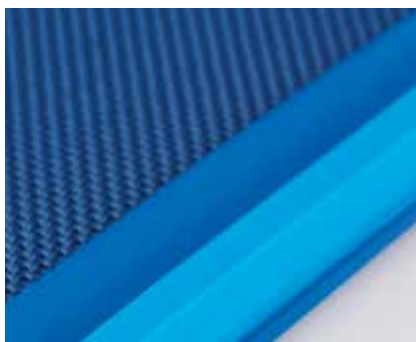


Cleats
PVC Profiles
Available sizes mm [inch]:
30 [1.18], 40 [1.58], 50 [1.97],
60 [2.36], 85 [3.35]

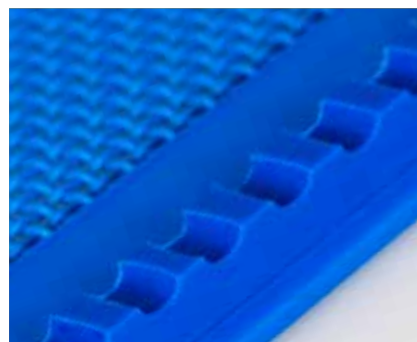
Edges and Guide Systems



K6 N | K8 N | 10 N | K17 N | K13 N
PVC/PET Notched Guide
K6 – K8 – K10 – K13 – K17



K6 | K8 | K10 | K13 | K17
PVC/PET Guide
K6 – K8 – K10 – K13 – K17



8 x 8 | 12 x 12
PVC Square Notched Guide
8X8 mm and 12X12 mm



PE HF 30 | PVC HF 30
Welded edges in PVC or PET
available sizes mm [inch]:
30 [1.18], 40 [1.58], 50 [1.97]