SAATImil

milling fabrics and parts

SAATI

We cross-innovate

SAATI and its Filtration Applications

SAATI is a multinational company with corporate headquarters situated in northern Italy since 1935. Today we are a leader in the development, manufacturing and commercialization of advanced technical textiles and chemicals.

SAATI specializes in the production of precise woven fabrics and chemical technologies used in the fields of Filtration, Screen Printing and Ballistic Protection. The development of enhanced performance coatings lies at SAATI's core.

SAATI's filtration activities focus on the production of technical precision fabrics (with monofilament and multifilament yarn) and fabricated components in polyamide, polyester and polypropylene, with the possibility of special finishing treatments.

The products are used in a wide range of different filtration fields such as food & milling, automotive, water, healthcare, appliance, consumer electronics, along with many other industrial applications.

Focuses on Customer and Innovation

Thanks to our direct presence in many countries, it is easy for the customers to reach us, wherever they are located, and our responsiveness is always prompt. Our staff has a high level of technical expertise and dedication, always aiming to finding the best solution for the customer's requirements.

SAATI sales representatives and engineers understand customers' applications, and work closely with the staff in the production and R&D departments to offer a customized solution in a form that best meets their customer's needs.

At SAATI, we have a real attitude for innovation and are committed to a continuous research of processes and materials that make tangible improvements in production and service. SAATI acts in the market with this attitude, offering sieving and filter fabrics and components that answer to the most demanding needs in filtration application.

Every phase of production is carefully monitored, employing frequent in-house testing and rigorous inspection to ensure consistent quality. All SAATI products are manufactured in accordance with UNI ISO 9001 standards.

SAATImil

The Industry Standard for Milling Applications

Perfecting the Art of Precision Screening Fabrics

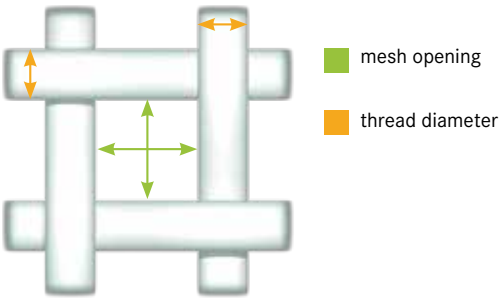
SAATImil is SAATI's dedicated line for the flour milling industry, which includes an extensive selection of fabric types that are manufactured in accordance with ISO 9001:2000 and in compliance with FDA Code of Federal Regulations, as well as with Regulations CE 1935/2004 and EU 10/2011.

SAATImil Fabrics Key Features

- Monofilament woven fabrics
- Available in synthetic (PA-PES-MAR) fibers
- High open area
- Consistent geometrical tolerances
- Excellent strength and dimensional stability
- High resistance to mechanical stress, abrasion, chemical agents and corrosion
- Lot-to-lot consistency
- Longer screen life
- Intended to come into contact with food

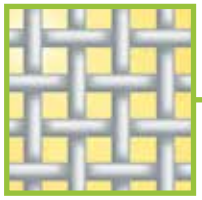
Unsurpassed Customer Support

The quality of SAATImil screening fabrics is backed up by the dedication and expertise of SAATI's customer service team.
Thanks to dedicated offices, warehouses, storage and fabrication facilities located throughout the world, SAATI provides strong local support, expert responses to customer inquiries, strong engineering capability, technical support and fast delivery to every part of the globe.



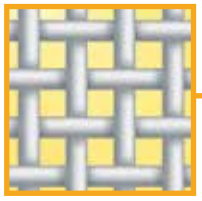
SAATImil

SAATImil fabrics are available in a variety of fiber sizes for a given opening size. A large fiber improves screen life, but decreases screen flow capacity. A smaller fiber will provide greater screening capacity but will wear out faster. The flour milling industry has traditionally used a unique numbering system to denote variations in fiber sizes.

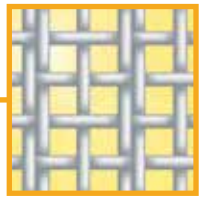


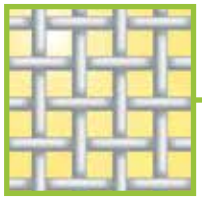
SAATImil GG or Grit Gauze grades are woven with coarser opening sizes with a smaller fiber to provide a higher screening capacity.

SAATImil XXX grades have a large fiber size and are used for hard grades of wheat and durum or other abrasive grains.

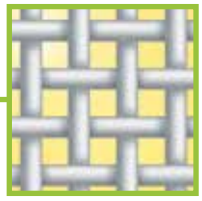


SAATImil HT are high-capacity screens in medium and finer opening sizes. They have a higher tensile strength and better abrasive resistance than the SAATImil XX grades. They are ideal for the newer type sifting frames which have glued-on screens requiring high tensile stretching.





SAATImil XX fabrics are woven with two smaller diameter fibers situated adjacent to one another. This construction provides a rougher texture on the screen surface, which is beneficial when sieving soft wheat, bakery flour, and other products that are difficult to sift.



SAATImil HS are high-strength fabrics produced with thicker and stronger yarns for longer durability. They are suitable for turbo-sifter covers and centrifugal sifters.

Compliance of SAATImil Mesh Intended to Come into Contact with Food

Compliance of Composition:

Monofilament yarn polymer is in compliance with FDA Code of Federal Regulations (USA),Food and Drugs, Title 21, Part 177 Paragraph 177.1500 and 177.1420 (Indirect food additions: Polymers).

Intended to Come In Contact with Food

Compliance of Performance:

Compliance with Regulations 1935/2004/CE & EU 10/2011

Specifically SAATI S.p.A. ensures full traceability throughout the production chain, from raw material to finished products vs. Customer. Mesh is tested in order to verify migration limits as per regulatories concerning plastic materials intended to come in contact with food.

The processes of SAATI S.p.A. are conducted in compliance with specific GMP.

SAATImil PA GG

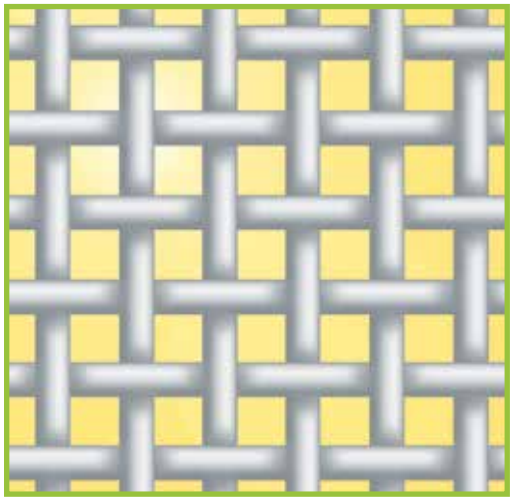
Grit Gauze grades are woven with coarser opening sizes with a smaller fiber to provide a higher screening capacity

Engineered especially for separation of coarser particles, SAATImil™ GG or Grit Gauze grades are woven with coarser opening sizes made by smaller fiber to provide a higher screen capacity. Thanks to this mesh design, SAATImil™ GG screens are suitable for plansifter and purifier machines.

Key Features

- FDA Approved polymer
- Melamine Free
- Resistant to humidity changes
- Maintains tension

Intended to Come In Contact with Food

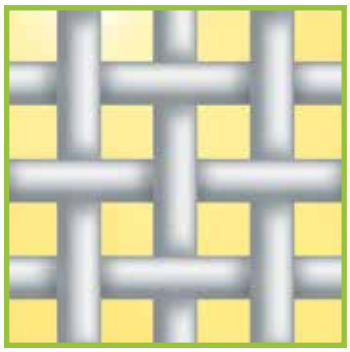


Courtesy of Bühler AG

Product	Mesh Opening	Open Area	Mesh Count		Thread Diameter
SAATImil PA GG	µm	%	cm	in	µm
PA 10 GG	1920	64	4,25	11	500
PA 12 GG	1800	61	4,5	11	500
PA 14 GG	1560	61	5	13	450
PA 15 GG	1450	62	5,5	14	400
PA 16 GG	1350	56	6	15	400
PA 17 GG	1250	56	6,5 x 5,75	17 x 15	400
PA 18 GG	1170	55	6,5	17	400
PA 19 GG	1100	59	7	18	325
PA 20 GG	1030	57	7,5	19	325
PA 22 GG	950	58	8	20	300
PA 23 GG	900	56	8,3	21	300
PA 24 GG	830	55	9	23	280
PA 26 GG	790	54	9,5	24	280
PA 27 GG	730	55	10,5	27	250
PA 28 GG	700	54	10,75	27	250
PA 30 GG	660	52	11	28	250
PA 31 GG	630	51	11,5	29	250
PA 32 GG	600	50	12	30	250
PA 34 GG	560	51	12,7	32	225
PA 36 GG	530	49	13,5	34	225
PA 38 GG	500	47	14	36	225
PA 40 GG	475	49	15	38	195
PA 42 GG	440	46	15,5	39	195
PA 44 GG	420	46	16	41	195
PA 45 GG	400	46	17	43	195
PA 47 GG	375	43	18	46	180
PA 48 GG	365	43	18	46	195
PA 50 GG	355	51	20	51	150
PA 52 GG	335	49	20,5	52	150
PA 54 GG	310	47	22	56	150
PA 58 GG	300	46	23	58	140
PA 60 GG	280	43	24	61	140
PA 62 GG	270	41	24	61	150
PA 64 GG	265	47	26	66	120
PA 66 GG	255	46	27	69	120
PA 68 GG	245	43	27,5	70	120
PA 70 GG	240	44	28	71	120
PA 72 GG	225	42	29	74	120
PA 74 GG	212	40	30	76	120

SAATImil XXX

SAATImil XXX Grades have a large fiber size and are used for hard grades of wheat, durum or other abrasive grains.



Intended to Come In Contact with Food

Characterized by large fiber size, SAATImil™ XXX range of woven screens is used for fine particle separation such as hard grades of wheat and durum or other abrasive grains. SAATImil™ XXX screens are used for plansifter and purifier machines.

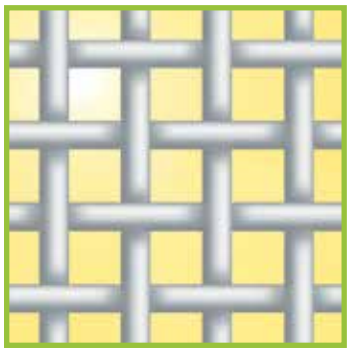
Key Features

- FDA approved polymer
- Monofilament woven meshes
- High open area
- Mesh opening from 300 µm to 80 µm
- Maintains tension
- Consistent geometrical tolerances
- Longer screen life
- High resistance to mechanical stress, abrasion, chemical agents and corrosion

Product	Mesh Opening	Open Area	Mesh Count		Thread Diameter
SAATImil PA XXX	µm	%	cm	in	µm
PA 3 XXX	300	46	23	58	140
PA 4 XXX	280	43	24	61	140
PA 5 XXX	255	46	27	69	120
PA 6 XXX	212	40	30	76	120
PA 7 XXX	200	39	31	79	120
PA 8 XXX	180	43	36	91	100
PA 8,5 XXX	160	37	38	97	100
PA 9 XXX	155	39	41	104	90
PA 9,5 XXX	140	36	43	109	90
PA 10 XXX	135	39	46	117	80
PA 10,5 XXX	125	38	49	124	80
PA 11 XXX	115	35	51	130	80
PA 12 XXX	115	37	55	140	70
PA 12,5 XXX	105	32	55	140	80
PA 13 XXX	100	32	57	145	70
PA 14 XXX	90	30	62	157	70
PA 14,5 XXX	90	35	66	168	61
PA 17 XXX	80	32	71	180	61

SAATImil HT

High-capacity screens in medium and finer opening sizes. They have a higher tensile strength and better abrasive resistance than SAATImil XX grades.



Intended to Come In Contact with Food

SAATImil™ HT high-capacity woven screens are characterized by medium and small opening size for fine particles separation. They fit to recent type sifting frames, requiring high tensile stretching, for plansifter and purifier machines.

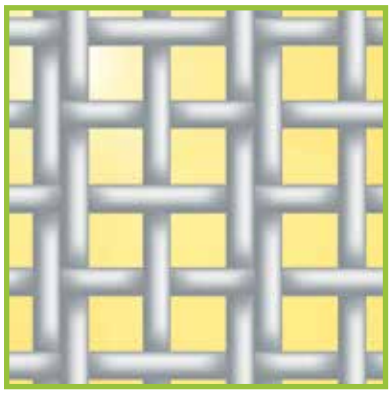
Key Features

- FDA approved polymer
- Monofilament woven meshes
- High open area
- Plain weave
- Maintains tension
- Consistent geometrical tolerances
- Longer screen life
- High resistance to mechanical stress, abrasion, chemical agents and corrosion

Product	Mesh Opening	Open Area	Mesh Count		Thread Diameter
SAATImil PA HT	µm	%	cm	in	µm
PA 3 HT	300	51	23,5	60	120
PA 4 HT	280	51	25	64	120
PA 5 HT	250	51	28,5	72	100
PA 6 HT	220	47	32	81	100
PA 7 HT	195	43	34	86	100
PA 8 HT	180	43	36	91	100
PA 8,5 HT	170	42	40	102	90
PA 9 HT	160	43	43	109	80
PA 9,5 HT	140	41	45	114	80
PA 10 HT	135	42	49	124	70
PA 10,5 HT	125	41	51	130	70
PA 11 HT	118	41	53	135	70
PA 12 HT	112	42	57,5	146	61
PA 13 HT	100	38	62	157	61

SAATImil XX

Fabrics that are woven with two smaller diameter fibers adjacent to one another, making them rougher in order to sift difficult products



Intended to Come In Contact with Food

SAATImil XX screens are woven with two smaller diameter fibers adjacent to one another. This type of screen construction increases its surface roughness to the screen, bringing benefits in sieving soft wheat, bakery flour and other products that are more difficult to sift.

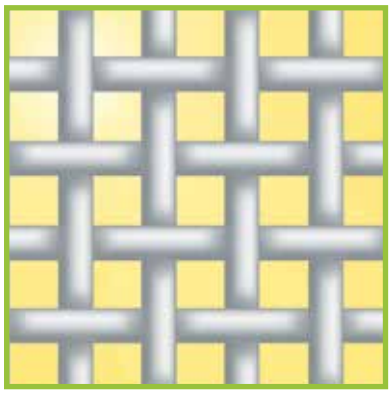
KEY FEATURES

- FDA approved polymer
- Monofilament woven meshes
- Double warp structure
- Mesh opening from 212 µm to 85 µm
- High open area
- Maintains tension
- Consistent geometrical tolerances
- Longer screen life
- High resistance to mechanical stress, abrasion, chemical agents and corrosion
- Recommended for plansifters

Product	Mesh Opening	Open Area	Mesh Count		Thread Diameter
SAATImil PA XX	µm	%	cm	in	µm
PA 6 XX	212	47	30/36	76/91	(90+2x61)/80
PA 7 XX	200	48	33/36	84/91	(80+2x61)/80
PA 8 XX	180	46	36/40	91/102	(80+2x61)/70
PA 8,5 XX	160	44	39/43	99/110	(70+2x61)/70
PA 9 XX	150	44	41/48	104/121	(70+2x61)/61
PA 9,5 XX	140	43	43/50	110/127	(61+2x60)/60
PA 10 XX	132	44	47/52	120/132	(61+2x50)/61
PA 10,5 XX	125	40	49/54	124/137	(61+2x50)/61
PA 11 XX	118	42	50/59	128/151	(61+2x50)/50
PA 12 XX	112	40	52/62	132/157	(61+2x50)/50
PA 12,5 XX	106	40	56/64	142/163	(61+2x44)/50
PA 13 XX	100	38	57/67	145/169	(61+2x50)/50
PA 14 XX	95	38	61/69	156/175	(50+2x44)/50
PA 14,5 XX	90	35	94/71	234/175	(50+2x44)/50
PA 15 XX	85	34	65/74	165/188	(50+2x43)/50

SAATImil HS

SAATImil HS are high-strength fabrics produced with thicker and stronger yarns for longer durability. They are suitable for use both as as turbo-sifter covers and centrifugal sifters.



Intended to Come In Contact with Food

KEY FEATURES

- FDA Approved polymer
- Plain weave
- Monofilament extra-strong woven meshes
- Thicker thread diameters
- Consistent geometrical tolerances
- High resistance to mechanical stress, abrasion, chemical agents and corrosion
- Longer screen life
- Resistant to humidity changes
- Maintains tension

Product	Mesh Opening	Open Area	Mesh Count		Thread Diameter
SAATImil PA HS	µm	%	cm	in	µm
PA 3 HS	300	34	19,5	49,5	200
PA 5 HS	250	34	23	58	170
PA 6 HS	200	33	28,5	72	150
PA 8 HS	165	32	34	86	120
PA 9 HS	155	39	41	104	90

SAATImil PES GG

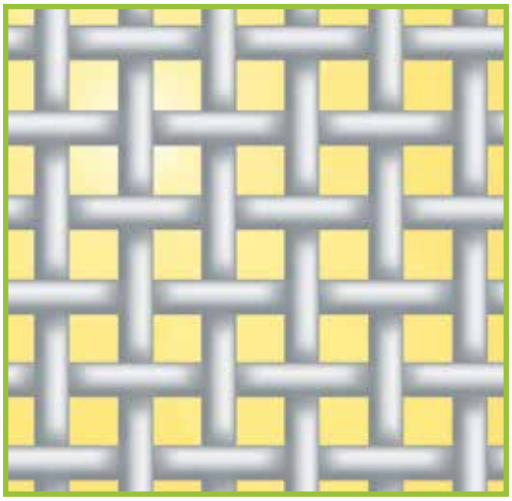
Grit Gauze grades are woven with coarser opening sizes with a smaller fiber to provide a higher screening capacity

Engineered especially for separation of coarser particles, SAATImil™ GG or Grit Gauze grades are woven with coarser opening sizes made by smaller fiber to provide a higher screen capacity.
The rough fabric surface makes the product remain longer on the sieves. This leads to better separation.

Key Features

- FDA Approved polymer
- Melamine Free
- Resistant to humidity and temperature changes
- Maintains tension

Intended to Come In Contact with Food



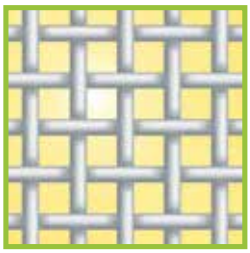
Courtesy of Bühler AG

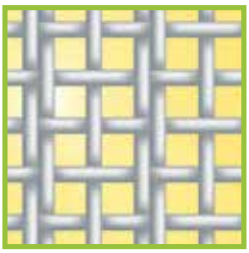
Product	Mesh Opening	Open Area	Mesh Count		Thread Diameter
SAATImil PES GG	µm	%	cm	in	µm
PES 10 GG	2000	51	3,6	9,2	800
PES 12 GG	1800	61	4,25	11	500
PES 14 GG	1650	64	5	13	460
PES 15 GG	1400	57	5,4	13,7	450
PES 16 GG	1350	59	5,8	14,7	400
PES 18 GG	1180	58	6,5	17	385
PES 19 GG	1160	56	6,5	17	400
PES 20 GG	1010	57	7,5	19	320
PES 22 GG	970	58	8	20	300
PES 23 GG	900	56	8,3	21	300
PES 24 GG	850	55	9	23	280
PES 26 GG	810	55	9,5	24	280
PES 27 GG	740	53	10	25	260
PES 28 GG	700	52	10,5	27	260
PES 30 GG	670	52	10,8	27	260
PES 31 GG	630	53	11,5	29,2	240
PES 32 GG	600	51	12	30	240
PES 34 GG	580	47	12	30	260
PES 36 GG	530	50	13,4	34	220
PES 38 GG	500	48	14	36	220
PES 40 GG	475	50	15	38	200
PES 42 GG	450	48	15,4	39,1	200
PES 44 GG	425	46	16	41	200
PES 45 GG	400	52	18	46	160
PES 47 GG	370	50	19	48	160
PES 50 GG	355	47	19,4	49,3	160
PES 52 GG	335	46	20,2	51	160
PES 54 GG	330	46	21	53	160
PES 56 GG	285	44	23	58	145
PES 60 GG	275	43	24	61	145
PES 64 GG	265	53	27	69	100
PES 66 GG	250	44	27	69	120
PES 70 GG	220	41	29	74	120
PES 72 GG	220	35	27	69	145

SAATImil MAR

Specially Treated Mesh that Resists Moisture Absorption

Intended to Come In Contact with Food





SAATImil MAR™ is obtained from an advanced melamine free and FDA approved polymer then is woven and finished complex techniques. The MAR HT and MAR XX lines of fabric are the ideal choice for all milling applications where standard nylon cloths do not stand high humidity values and subsequently adsorb moisture, causing a critical loss of tension and decreased screening efficiency.

Key Features

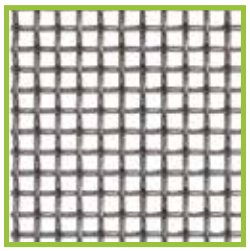
- FDA Approved polymer
- Melamine Free
- Resistant to humidity changes
- Maintains tension

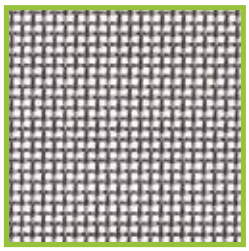
Product	Mesh Opening	Open Area	Mesh Opening		Thread Diameter
SAATImil MAR	Micron	%	cm	in	µm
3 HT	290	50	24	61	120
4 HT	285	44	23	58	145
5 HT	250	44	27	69	120
7 HT	190	45	36	91	90
8 HT	185	41	34	86	100
8,5 HT	170	42	38	97	90
9 HT	150	43	43	109	80
9,5 HT	145	40	45	114	80
10 HT	130	40	49	124	70
10,5 HT	120	41	55	140	64
11 HT	120	38	51	130	70
12 HT	115	29	46	117	90
13 HT	105	33	55	140	70
9 XX	145	40	40/48	101/122	(70+2x64)/64
10 XX	132	43	47/52	119/132	(60+2x48)/48
11 XX	116	41	50/61	127/155	(64+2x48)/48
12 XX	115	40	51/61	129/155	(64+2x48)/48

SAATImil STS

Woven Stainless Steel for Abrasive Sifting

SAATImil STS is a range of stainless steel woven meshes designed to sieve accurately abrasive materials including food, chemical products, stones and a variety of powders.





Key Features

- FDA approved
- Uniform pore size
- Consistent wire diameter
- Resistant to humidity
- Static loading
- Accurate sizing
- Consistent geometric tolerances
- Longer sieving operating life

Intended to Come In Contact with Food

Product	Mesh Opening		Open Area	Wt.	Wire Diameter	
SAATImil STS	µm	inch	%	%	µm	inch
STS 10 2240/74	2240	0,0882	74	0,65	360	0,0142
STS 11 2000/74	2000	0,0787	74	0,56	320	0,0126
STS 12 1800/72	1800	0,0709	72	0,61	320	0,0126
STS 14 1600/77	1600	0,0630	77	0,34	220	0,0087
STS 16 1400/75	1400	0,0551	75	0,38	220	0,0087
STS 17 1250/72	1250	0,0492	72	0,42	220	0,0087
STS 18 1180/71	1180	0,0466	71	0,44	220	0,0087
STS 19 1120/70	1120	0,0464	70	0,46	220	0,0087
STS 20 1060/69	1060	0,0417	69	0,48	220	0,0087
STS 21 1000/67	1000	0,0394	67	0,51	220	0,0087
STS 22 950/68	950	0,0374	68	0,44	200	0,0079
STS 23 900/67	900	0,0354	67	0,46	200	0,0079
STS 24 850/66	850	0,0334	66	0,48	200	0,0079
STS 26 800/64	800	0,0315	64	0,52	200	0,0079
STS 27 750/65	750	0,0295	65	0,44	180	0,0071
STS 28 710/64	710	0,0279	64	0,46	180	0,0071
STS 30 670/65	670	0,0264	65	0,40	160	0.0063
STS 32 630/64	630	0,0248	64	0,41	160	0,0063
STS 34 600/62	600	0,0236	62	0,42	160	0,0063
STS 35 560/60	560	0,0220	60	0,45	160	0,0063
STS 36 530/59	530	0,0209	59	0,47	160	0,0063
STS 38 500/57	500	0,0197	57	0,49	160	0,0063
STS 40 475/56	475	0,0187	56	0,52	160	0,0063
STS 42 450/58	450	0,0177	58	0,42	140	0,0055
STS 43 465/62	465	0,0183	62	0,34	125	0,0049
STS 44 425/57	425	0,0167	57	0,44	140	0,0055
STS 46 450/64	450	0,0177	64	0,29	112	0,0044
STS 46 400/54	400	0,0157	54	0,46	140	0,0055
STS 48 425/63	425	0,0167	63	0,30	112	0,0044
STS 50 400/61	400	0,0157	61	0,32	112	0,0044
STS 50 375/53	375	0,0148	53	0,48	140	0,0055

Product	Mesh Opening		Open Area	Wt.	Wire Diameter	
SAATImil STS	µm	inch	%	%	µm	inch
STS 52 375/59	375	0,0148	59	0,33	112	0,0044
STS 52 355/51	355	0,0140	51	0,51	140	0,0055
STS 54 375/62	375	0,0148	62	0,27	100	0,0039
STS 54 335/50	335	0,0132	50	0,53	140	0,0055
STS 56 355/61	355	0,0140	61	0,28	100	0,0039
STS 58 335/59	355	0,0132	59	0,29	100	0,0039
STS 58 315/54	315	0,0124	54	0,37	112	0,0044
STS 60 325/58	325	0,0128	58	0,30	100	0,0039
STS 62 315/58	315	0,0124	58	0,31	100	0,0039
STS 62 300/53	300	0,0118	53	0,39	112	0,0044
STS 64 300/56	300	0,0118	56	0,32	100	0,0039
STS 66 280/51	280	0,0110	51	0,41	112	0,0044
STS 68 280/54	280	0,0110	54	0,33	100	0,0039
STS 70 265/53	265	0,0104	53	0,35	100	0,0039
STS 72 250/51	250	0,0098	51	0,36	100	0,0039
STS 76 236/49	236	0,0093	49	0,38	100	0,0039
STS 78 224/48	224	0,0088	48	0,39	100	0,0039
STS 80 218/47	218	0,0086	47	0,40	100	0,0039
STS 84 212/49	212	0,0083	49	0,34	90	0,0035
STS 88 200/48	200	0,0079	48	0,36	90	0,0035
STS 88 190/43	190	0,0075	43	0,45	100	0,0039
STS 90 190/46	190	0,0075	46	0,37	90	0,0035
STS 90 180/41	180	0,0071	41	0,46	100	0,0039
STS 94 180/44	180	0,0071	44	0,38	90	0,0035
STS 94 170/40	170	0,0067	40	0,48	100	0,0039
STS 105 160/47	160	0,0063	47	0,25	75	0,0029
STS 120 140/47	140	0,0055	47	0,26	65	0,0026
STS 135 125/44	125	0,0049	44	0,28	65	0,0026
STS 145 118/46	118	0,0046	46	0,23	56	0,0022
STS 165 100/44	100	0,0039	44	0,21	50	0,0020
STS 180 95/46	95	0,0037	46	0,18	45	0,0018

SAATImil

Standard and Custom-Fabricated Parts

Centrifugal Sifting Screens

SAATImil manufactures sifting screens for all centrifugal sifter types, in a variety of designs. With capabilities to sew multifilament edges and seams, or welding urethane to the SAATImil mesh, SAATI has durable products that provide a consistent separation. Our urethane seams ensure a solid product that does not show wear and tear. In addition, with urethane edging, it provides a sanitary screens that can be washd and claned with little contamination.

Purifier Covers

SAATImil also manufactures purifier covers for all types of machines. The purifier covers can be manufactured either with PA GG or PES GG, with or without plastic rods and with rounded corners.

Connector Sleeves

Custom fabricated connector joining material transfer spouts. Sleeves made from durable multifilament materials to your specifications. Sleeves can be made with ends enclosing shock cord, elastic, draw string or hems. Sleeves can also be produced with or without support rings.

Dust Filter Bags

Custom dust filter bags produced for most standard OEM baghouses. DFB's are available with materials PES, PP, and Nomex with surface finishing plain, singed, eggshell or PTFE. Seams can be sewn or heat welded. DFB's can be made top with raw edge, beaded cuff, or snap band.

Top 12 Plus Stretching Clamps

Rapidly Stretch Screens Off-Contact with Durable, Intuitive Stretch Clamps

The SAATImil Top 12 stretching system provides a fast method to stretch milling and screening fabrics to their optimum tension. This highly advanced, yet easy to use system achieves the highest recommended tensions more uniformly, without over-tensioning the corners.

It provides high tension levels and dimensional stability of the screen. Among the most notable features of this premier stretching system is its independent or simultaneous warp/weft tensioning capability, maintaining the perfect geometry of the tensioned fabric.

A dedicated control panel allows monodirectional tensioning. In addition this newly designed clamp applies compression to the frame while simultaneously eliminating mesh contact with the frame surface during stretching. This specialized “non-contact” stretching eliminates any hazardous friction, uneven tensioning or resultant tears caused by stretching the mesh when it comes in contact with rough or uneven frame surfaces. Generally only one stretching clamp is required per side due to the extra long jaw length.

This allows to save on the cost of the system and setup time for stretching screens. Clamps are available in three jaw widths. The clamps are very reliable and are easy to maintain. Their long 120 mm stroke per clamp provides 240 mm of total stretch in both directions. The entire body is covered to prevent fingers, clothing, etc. from getting caught in the moving parts.

Top 12 Technical Specifications	
Jaw Widths	550 mm (21.7”) - 650 mm (25.6”) - 750 mm (29.5”)
Max. Tension	26 N/cm at 7 bar (14.8 lb/in at 100 PSI)
Clamp Weight	8.2kg (18.1 lb)
Piston Stroke	120 mm (4.7”)
Clamp Total Length	634 mm (24.9”)
Clamp Length to Contact Point with Frame	534 mm (21”)
Clamp Height - Working Condition	203 mm (7.9”)
Clamp Height - with Open Leverage	363 mm (14.3”)
Clamp Height - at Fabric	151 mm (5.9”)
Structure	Painted steel tubular/galvanized steel/Protection in ABS/ anodized aluminum jaws
Frame Support	Adjustable screws according to frame thickness
Colors	Yellow/gray
Control Panel	Pneumatic switches for handling tension/pressure guage/ emergency lock
Compressed Air	95-100 PSI (a line with no humidity is required)
Table Size	Frame external size + 102 cm (39.3”) in both directions

SAATImil

SAATImil Tension Meter

Newman ST-Meter is a uniquely constructed, heavy-duty mechanical tension meter that assures durability and long-term accuracy in monitoring screen tension. It is the only meter in the world with all stainless steel hardened gears, shock-proof industrial grade internal gear movementand all jeweled sapphire bearings. A screen tension meter of exceptional quality will produce accurate readings consistently fora very long time. All other mechanical meters have softer brass gears and bushings that greatly reduce their life and accuracy. The crystal is shatter proof and curved to reduce glare. The heavy-duty protective aluminum housing is the most durable meter made anywhere. The modular construction assures easy and inexpensive repairs, if any are necessary.

Key Features

- Shock-proof unitized internal gear movement
- Eight sapphire jeweled bearings
- Six compound hardened stainless steel gears
- Also available in kilograms/meter
- Direct reading in N/cm, ±1% accuracy
- Shatterproof crystal
- Heavy-duty protective aluminum housing
- A calibration plate is provided with each meter, and is packaged in a protective carrying case

Technical Data		
Test Conditions	50/60% Humidity 18-20ºC	
Measuring Range	5-60 N/cm	
Sifter Mesh Opening (µm)	Original Tension N/cm	Tension after 3 hours N/cm
SAATImil PA >375	16-14	13-8
SAATImil PA 355-280	14-12	11-7
SAATImil PA 270-150	12-10	9-6
SAATImil PA 140-80	10-8	7-5
Weight of the Newman ST-Meter	1 kg	

SAATImil

Frame Adhesive Systems

Ultrafix CA

SAATI Ultrafix CA adhesives are designed for bonding wire cloth and synthetic screens to wood, metal or plastic frames. Ultrafix CA adhesive is available in 50 and 450 gram containers.

Poly Squeegee (Scrapers)

Poly Squeegee (scrapers) are available in 5 x 7.5 cm

Ultrafix Product	Viscosity
Ultrafix CA 150	Very High
Ultrafix CA 100	High
Ultrafix CA 50	Medium
Ultrafix CA 5	Low

Ultrafix CA Activator

Ultrafix CA Activator cures cyanoacrylate adhesive instantly and is available in two types of dispensers: aerosol and pump. It is available in 160 gr containers.

Ultrafix Remover

Ultrafix Remover is a convenient gel which removes Ultrafix adhesives. This gel is effective on urethane-based and cyanoacrylate adhesives. Ultrafix Remover is available in 1 and 5 kg containers.

FILIP Screen Cleaners

FILIP

SIEVE CLEANERS

SAATI now offers an assortment of Filip sieve cleaners that will help you to maximize your milling yield. Filip has been developing and producing sieve cleaners for over 100 years. The carefully calibrated design, selected materials and weight of Filip products imbue them with the efficiency, durability and safety that continually position them as the highest quality sieve cleaners available.

Style 100: Sieve Cleaning Brush with Solid Stainless Steel Slider Knob, Black Nylon Bristles for Wire Mesh

Style 101: Sieve Cleaning Brush with Solid Stainless Steel Slider Knob Natural Hair for Synthetic Mesh

Style 102: Sieve Cleaning Brush with Solid Stainless Steel Slider Knob White Nylon Bristles for Synthetic Mesh

Style 110: Sieve Cleaning Brush with Solid Stainless Steel Slider Knob Black Nylon Bristles for Wire Mesh – Large Model

Style 111: Sieve Cleaning Brush with Solid Stainless Steel Slider Knob Natural Hair for Synthetic Mesh – Large Model

Style 112: Sieve Cleaning Brush with Solid Stainless Steel Slider Knob White Nylon Bristles for Synthetic Mesh – Large Model

Style 120: Sieve Cleaning Brush with Plastic Slider Knob Black Nylon Bristles for Wire Mesh - Large Model

Style 121: Sieve Cleaning Brush with Plastic Slider Knob Natural Hair for Synthetic Mesh - Large Model

Style 122: Sieve Cleaning Brush with Plastic Slider Knob White Nylon Bristles for Synthetic Mesh - Large Model

Style 200: Sieve Cleaner with Studs with Solid Stainless Steel Slider Knob

Style 201: Sieve Cleaner with Studs with Plastic Slider Knob

Style 210: Sieve Cleaner with Studs with Solid Stainless Steel Slider Knob – Large Model

FILIP Screen Cleaners

Style 211: Sieve Cleaner with Studs with Plastic Slider Knob – Large Model

Style 1103: Blue Sieve Cleaning Brush with Solid Stainless Steel Slider Knob Blue Nylon Bristles for Synthetic Mesh

Style 1200: Blue Sieve Cleaner with Studs with Solid Stainless Steel Slider Knob

Style 1201: Blue Sieve Cleaner with Studs with Plastic Slider Knob

Style 150: Double Cleaner with Black Nylon Bristles for Wire Mesh

Style 151: Double Cleaner with Natural Hair for Synthetic Mesh

Style 152: Double Cleaner with White Nylon Bristles for Synthetic Mesh

Style 250: Double Cleaner with Studs for Wire & Synthetic Mesh

Style 1153: Blue Double Cleaner with Blue Nylon Bristles for Wire Mesh

Style 1250: Blue Double Cleaner with Studs for Wire & Synthetic Mesh

Style 301: Pan Cleaner with Recess

Style 1301: Blue Pan Cleaner with Recess

Standard Screen Cleaners

Cotton Cleaner Green Stripe

First quality cotton cleaner made from densely woven material to create a hard surface. Strong quality threads increase the endurance of the material and life of the cleaner.

Cotton Cleaner Blue Stripe

Second quality cotton cleaner having a softer surface as for 15% less threads in weft.

Triangular Type Sieve Cleaner with Brushes & Solid Metal Slider Knob

Designed for cleaning all types of synthetic mesh material with gentle brushes. Cleans back-wire with action of metal slider knob. Available with nylon bristles or natural hair.

Triangular Type Sieve Cleaner with or without Plastic Studs and Metal Slider Knob

Designed for all meshes 200 µm & up. Cleans back-wire with action of metal slider knob.

Light Plastic Sieve Cleaner with Metal Slider Knob in Desmopan

Designed for cleaning all types of meshes. Cleans back-wire with action of metal slider knob.

Triangular Pan Cleaner in Desmopan

High elasticity polyurethane provides effective cleaning without damaging sieve frames.

Diamond Plastic Pan Cleaner Round or Diamond Center

High elasticity polyurethane provides effective cleaning without damaging sieve frames.

Rectangular Sieve Cleaner

Rectangular in shape, used to keep sifting material clean with the movement and action of the sifter. This cleaner used in sieve trays with back wire.

Sieve Balls

Sieve balls used to keep mesh material clean. Available in a variety of sizes: 16, 25, 30 and 35 mm diameter. Materials include polyurethane, rubber and silicone.

Bühler Nova Plastic Sieve Cleaners with Knobs or Brushes

Three prong cleaner with a center bottom support and leg extending from one of the prongs. This leg gives a “teeter-totter” effect to keep the sieve cloth cleaner and free of product build-up. Made from flexible polyurethane materials with knobs as used on heavy synthetic and wire cloth materials. Designed for use in Bühler Nova Sieves.

Brushes for Purifiers

85 mm. Space between guides, tuft mounting frame in plastic, oscillating central body in nylon. Available in Synthetic, Animal & Horsehair. Dimensions available are 390-440-350-455-460.

Accessories

Pneumatic Stapler

Pneumatic stapler for staple on sieves for use with industrial strength staples.

Stretching Pliers

Stretching pliers used the pull stretch sifter clothing in order to staple edge to perimeter of sieve tray.

Rubber Mallet

Rubber mallet made with heavy duty plastic handle. Available in black or white color.

Spatula

Spatula (flour slick) with a broad, flat, blunt blade used for spreading flour to examine the particle size.

Scraping Knife

Scraping knife used to remove excess glue from surface of sieve.

Plush

Thick plush for inner isolation of plansifters. Available in width 140 cm

Microscope

Microscope for measurement viewing of mesh materials up to 40x.

10X Mesh Counter

Small foldable mesh counter in both inches and mm measurements.

Brush for Break Rolls

In whole goose feather. Available in lengths of 1,000 and 1,250 mm.

We cross-innovate

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