

PAPER MACHINE CLOTHING  
& SLDF FABRICS



TANVI WIRE FABRIC (P) LTD.

WE FABRICATE  
INNOVATIVE  
SOLUTIONS

## ABOUT US



TWF has a experience of 9 years in weaving technical textiles. It has been supplying speciality broad loom woven mesh to many industrial segments worldwide and is been known for its higher extent and valuable quality.

Today, TWF is one of the best quality weavers in India for the filtration industries. We provide a wide range of woven and non woven textiles using different kinds of imported materials. TWF provides the high quality materials manufactured through German machinery and modern techniques which made the company to built its presence in the international market in a very short period of time. What began with a small dream is now a growing global enterprise. Slowly we are upgrading, adopting and modernising our manufacturing techniques and ensuring manufacturing techniques and ensuring our customers to serve them.

With best quality material which can give a long life span to their machinery & products.

As, every customer do have their different requirements in their own possible ways due to individualized machinery & products, we continuously provides visits to the companies for the better solutions and outcomes of their product. Today, we are working with some brand names in different industry which makes us proud that we are serving them as our customers.

### A GLIMPSE ON OUR STRENGTH

- Cost effective and reliable products.
- Customization as per the specific requirements for individualized machinery.
- R&D facility for the research of new developments.
- Wide range of woven meshes in metal and synthetic.
- Latest German technology.
- Integrated solutions for all applications.

### INDUSTRIES SERVED

- Pulp and paper
- Oil and chemicals
- Fibre cement
- Fertilizers
- Rubber Making
- Leather
- Sugar Mills
- Medicine and Pharma
- Cosmetics



## MATERIALS WE PROVIDE

We manufacture all kind of ferrous and non ferrous metals meshes that can be used in combinations with synthetic and other metal yarns. Some of our materials are -

### STAINLESS STEEL

AISI stainless steel 304L, 316, 316L, 317L

### HYBRID MESH

Combinations of Phosphor Bronze and metal,  
Glass fiber and metal, Synthetic yarns and Metal.

### SPIRAL DRYER SCREEN

Combination of 100% Synthetic spirals.

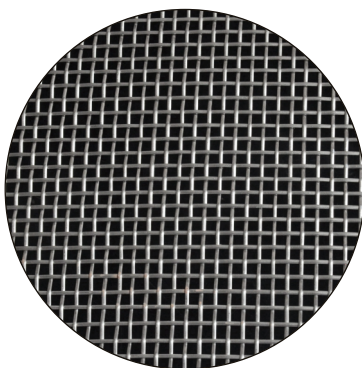
## MESHES

"What is Mesh?" well mesh is typically specified in counts of holes or microns. Every application have its different kind of requirements of number of counts of meshes or microns. In order to filtrate the desired amount of their product from the mesh. Providing the perfect mesh to the every application makes the industry more valuable. That's what a company demands for. Our meshes are woven under heavy AISI Standards and are well known for its competitive and high quality consistence.

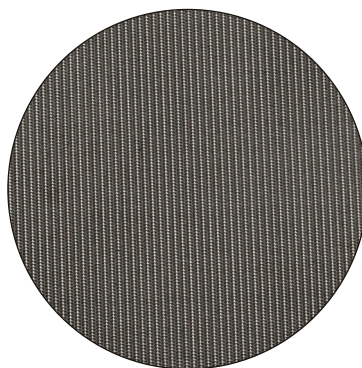
### PLAIN & SPECIAL MESHES

2 mesh / inch - 24 mesh / inch

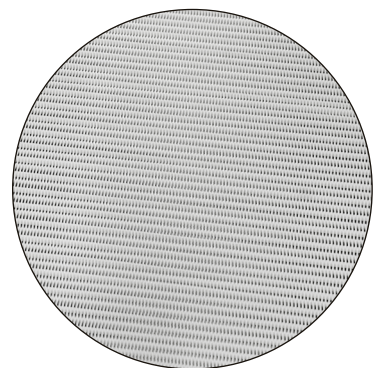
25 to 250 mesh / inch



STAINLESS STEEL  
MESH

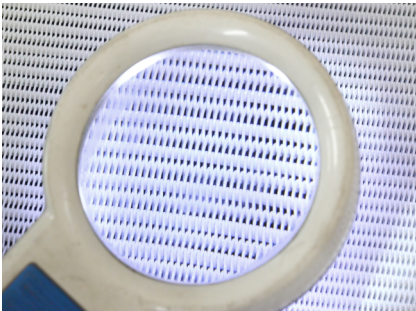


HYBRID MESH

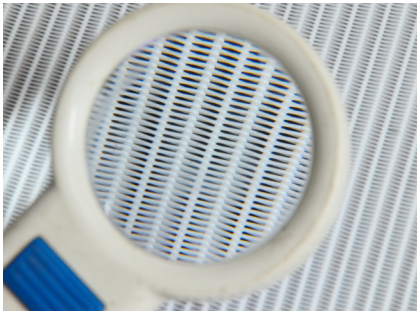


SPIRAL DRYER FABRIC

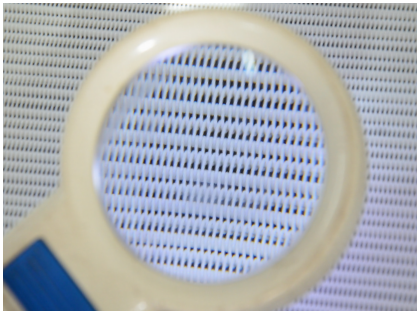
# DRYER SCREENS



■ 1. Small loop;  
Suitable for fine paper.



■ 2. Medium loop;  
Suitable for Board &  
Packing Paper



■ 3. Large loop;  
Suitable for Board &  
Packing Paper

Style	Product No.	Sing loop size(mm)	Diameter(mm)		Strength (N/cm)	Width (mm)	Weight (kg/m <sup>2</sup> )	Air perm (m <sup>3</sup> /m <sup>2</sup> h)
			Spiral loop filament	String				
Super large loop	70004	4.8x10	0.9	1.1	2300	3.03	1.64	21000±1000
Large loop	70003	3.8x7.0	0.68	0.9	2000	2.45	1.40	18000±1000
Medium loop	70002	3.5x6.0	0.68	0.9	2000	2.45	1.31	16000±1000
Small loop	70001	3.2x5.2	0.5	0.8	1800	1.87	0.97	14000±1000

Other technical parameter

- 1.Shrink percentage: under 135°C, <1.5%; under 150°C, <2.0%.
- 2.Dimension variation: length: length<20m, error+4cm; length>20m, error+5cm; Width error:± 1cm.
- 3.Shrink percentage: <1%.
- 4.Width of edging material: 3.0~4.0cm.



100% SPIRAL YARN



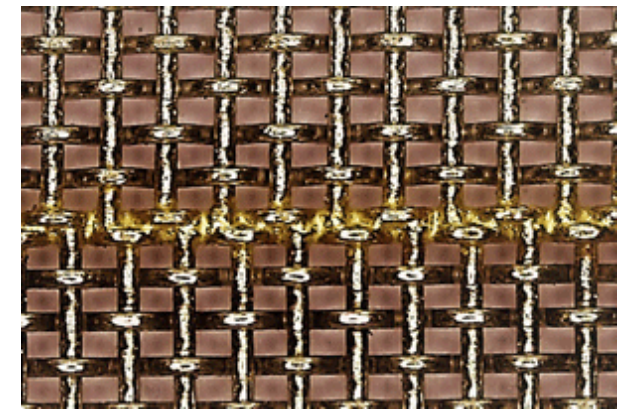
Technical parameters of dryer fabric with flat yarn

Fabric Code	Wrap Mesh	Weft Count	Werp Diameter	Weft Diameter	Air Permeability /m³/m²h    CFM		FSI	DI
YGWS22604	23.0~24.0	14.5~15.5	0.815 x 0.31	0.40 0.60	1400	90	—	—
	23.0~24.0	13.0~14.0	0.815 x 0.31	0.40 0.60	2350	150	—	—
YGW18504	18.5~19.5	15.5~16.5	0.58 x 0.38	0.60	2350	150	—	—
	18.5~19.5	14.5~15.5	0.58 x 0.38	0.60	4000	250	—	—
	18.5~19.5	13.0~14.0	0.58 x 0.38	0.60	5500	350	—	—
	18.5~19.5	11.5~12.5	0.58 x 0.38	0.60	7000	450	—	—
YGW18504-2	18.5~19.5	10.5~11.5	0.58 x 0.38	0.70	9500	600	—	—

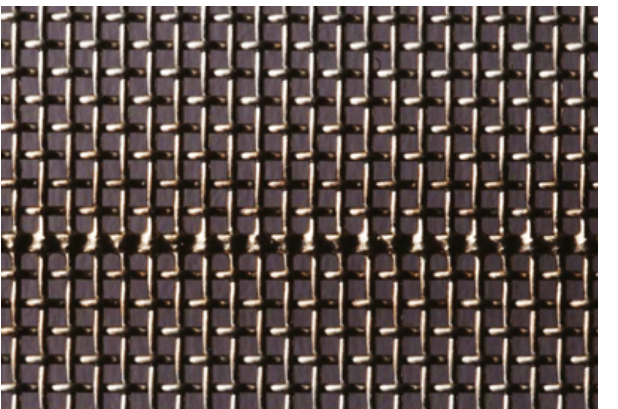
Technical parameters of dryer fabric with round yarn

Fabric Code	Wrap Mesh	Weft Count	Werp Diameter	Weft Diameter	Air Permeability /m³/m²h    CFM		FSI	DI
GW22504-3	23.0~24.0	13.5~14.5	0.50	0.50	7000	450	—	—
	23.0~24.0	11.5~12.5	0.50	0.50	8500	540	—	—
GW22504	23.0~24.0	10.0~11.0	0.50	0.50	12000	760	—	—

TYPES OF SEAM



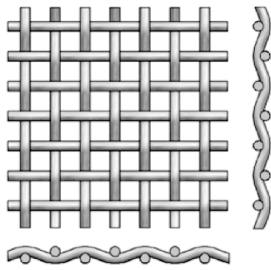
Gold Seam



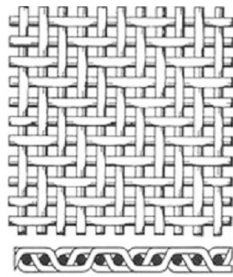
Silver Seam

"What is a seam" welding ?  
No, its more than welding. Seaming is basically defined to weld the mesh wire to wire without any makings. These seam types basically depends upon the application and the requirement of the customer. These seams are basically done in 2 way i.e. straight seam and diagonal seam. Our seams are been done by the experts in this field which makes the product more strong and reliable. Seaming needed highly clean environment in order to precise the skilled technicians for giving off their best performance.

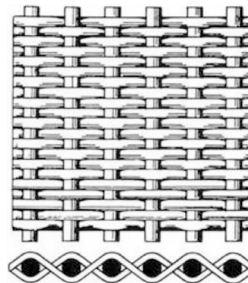
## TYPES OF WEAVES



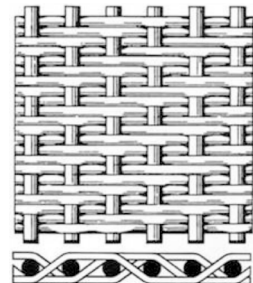
Plain weave



Twill weave



Plain Dutch weave



Twill Dutch weave

There are different kinds of weave and we manufacture 4 of its kinds. The main and most commonly used weave is plain weave but engineers can weave according to the demand of applications. As, the type of weave defines the function of mesh. To make the customer satisfy is the first priority of TWF.

What to do to meet the requirements -

- Managing the weave pattern according to requirements.
- Altering the mesh count according to application.
- Providing perfect solutions as per the requirement.
- Combining different combinations of weave for better results.
- Managing the size, gauge and diameter of wire for the perfect weave.

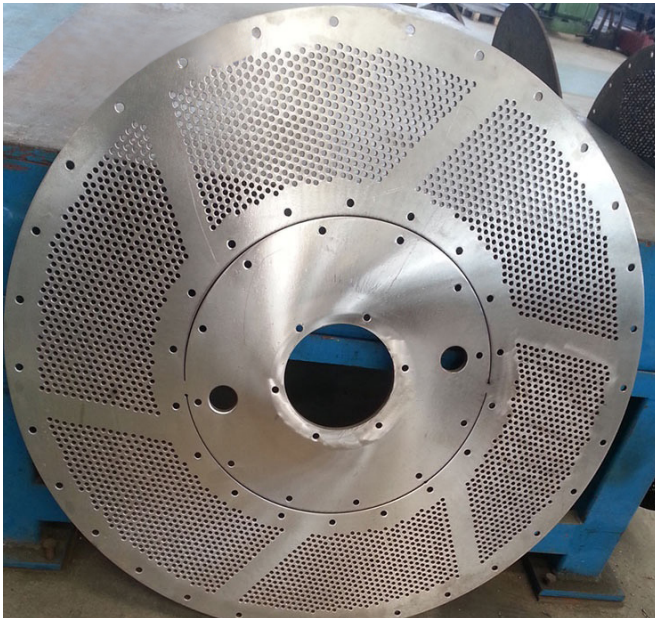
## RANGE OF PRODUCTS



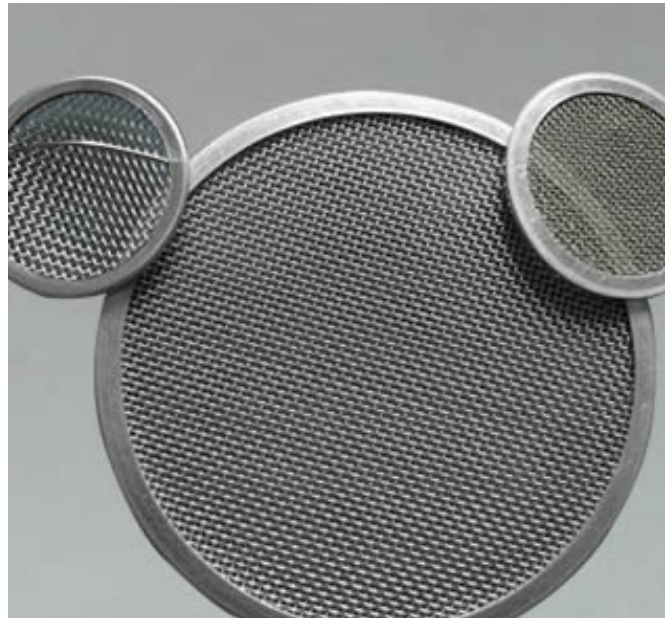


# PERFORATED SHEETS & DISCS

Grades provided - SS304, 316L & 317



Screen Plate for Pulp Making Machine



Specially designed and coated filter discs

## RESEARCH & DEVELOPMENT

TWF continuously work on innovative ideas and solutions. We also own a R & D section that ensures growth of new products as well as up-gradation of the existing ones. Our meshes comply with ISO INI3253A & ISO 9001:2015 and certified by ICL. Our company is toiling hard to meet the ever-growing demands of the business. We focus to transport best quality products and to serve our clients with qualitative variety. In order to accomplish complete customer satisfaction, we are stretching our spheres and are touching new heights of victory. Our department is equipped with latest testing equipments that ensures us to provide best quality products and services to our reliable customers.





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