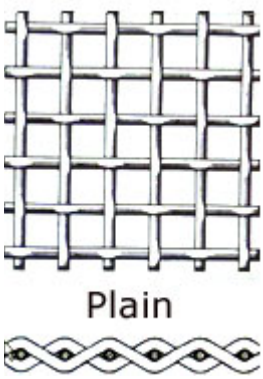
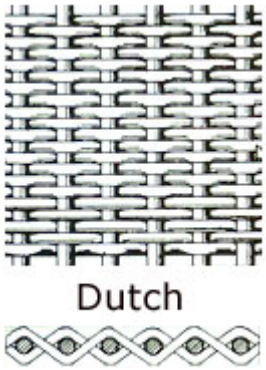
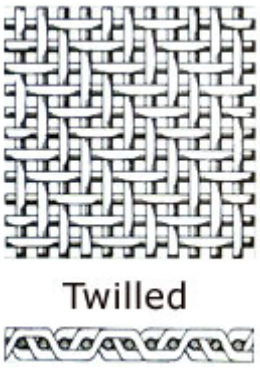
TYPES OF WEAVES



The Plain Weave is the most commonly used and simplest**wire cloth** weave. Each warp wire (wire running-parallel to length of cloth) passes alternately over and under the wires running traversely through the cloth (fill or shoot wires) at 90 degree angles. It has an extremely wide range of applications.



The Dutch Weave is produced by the use of coarse mesh (mesh wire, woven wire mesh, wire mesh basket) in the warp and a fine mesh with relatively smaller wire in the fill. This weave results in greater strength with very fine openings and is primarily used as a filter cloth. The shape and position of the openings aid particle retention and increase filter cake formation.



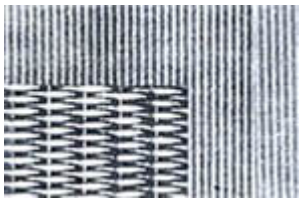
The Twilled Weave is produced by passing each fill wire alternately over and under two warp wires. The pattern is staggered on successive warp wires, giving the appearance of parallel diagonal lines. This weave allows the use of proportionately heavier wires in a particular mesh count (number of openings per lineal inch) than is possible in plain weave. This cloth has a wide application capable of supporting greater loads and finer filtrations.

The Twilled Dutch Weave is produced by a combination of the features of the Dutch Weave and the Twilled Weave. Fill wires are passed alternately over and under two warp wires forming a fine mesh in one direction and a coarse mesh (mesh wire, woven wire mesh, wire mesh basket) in the other. This type of weave is capable of supporting greater loads than the Dutch Weave, with finer openings than the Twilled Weave. It is used in applications where the filtering of heavy material is necessary.

Wire Mesh

Square Mesh Manufactured upto 600 Mesh in all metals and sizes as per ISS, BSS, ASTM, DIN, TYLER, and Customer's Specification.

Dutch Weave



Popularly Know as Hollander Mesh. Used for Fine/Micron Sieving. Twill Dutch Weave, Five-shaft Weaves are also mfdd.

Double Crimped Mesh

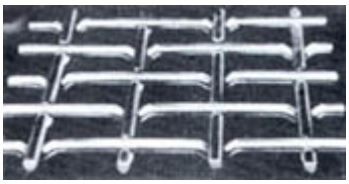
Accurate & Consistent Square & Rectangular Opening from 3 / 8" to 4" with Wire Rods upto 20mm in Stainless Steel, Spring Steel, High Carbon High Tensile, G.I. & M.S. Wire etc.

Vibrating Screen Cloth

Custom made from Coarge to Fine Appertures made with Abrasion - Resistant Spring Steel, Stainless Steel, High Carbon High Tensile, G.I., Mild Steel Wire etc. with or with-out Edge - Preparation.

Dovex Screen

Flat Smooth Screening Surface. Un-Interrupted Flow of Materials results Higher Productivity & Longer Durability Serpa-Harp & other Harp also Manufactured.

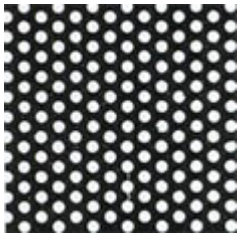


Rectangular Screen Cloth

The Greater Percentage Screening Area makes smooth Flow & Lesser Clogging giving higher productivity. Various Type of Edge - Preparations can be done.

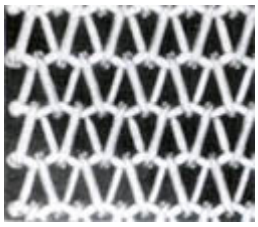
Perforated Sheets

Round hole upto 2 " (50mm) in sheet Thickness upto 10mm in Stainless Steel, CRCA, M.S, SAILMA, Aluminium, Nylon etc. Our Speciality: "Imaginative - Hole & Close Pitch."



Wire Conveyor Belts

Metallic Mesh Belt Balance Weave, with Welded Selvedges made from Carbon High Tensile, Stainless Steel, M.S., G.I., Inconel Wire etc.



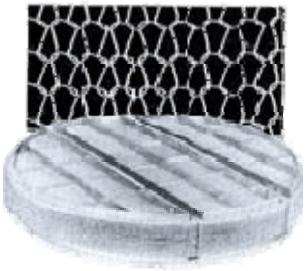
Mesh - Belting

Multiple Weaves Beltings for Heavy Load Conveying & Fine Apperture its uniqueness High-Temperature Wire Belts also manufactured..

Conveyor Belts

Transverse Wire Shaped & Linked Together for Light Converying Specially in Food, Electronic Industries etc.

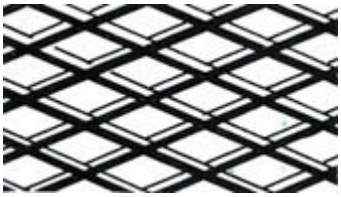
Demister Pads (Knit Mesh)



Seperate Mist & Entrained Liquid from any Gas Flow. Demsters are made from Knitted Mesh of Stainless Steel, Monel,G.I, Teflon, Polyrolene etc. Grids of S.S. firmly Secure the Pad.

Expanded Metal (Grating)

Diamond Shaped Apperture in Sheet Metal of M.S Stainless Steel, G.I, Aluminium, Copper, Titanium from $^{1}/_{16}$" to 3" Mesh Gratings are also fabricated.



Test Sieves

Sieves as per ISS, BSS, ASTM, DIN, Tyler Specification upto finest Mesh. & Micron Mesh. Lid & Receiver also available. Request fro Sieved-Shaker Machine (Automatic) Ro-Tap Motion.

COARSE WIRE MESH

This type of mesh is suitable for heavy duty screening.

Apertures	**:4mm and greater, square or rectangular.**
Finish	**:As woven or with edge preparation.**
Construction	**:Woven from pre-crimped wires.**

Materials :Carbon steel/Spring steel/Galv mild steel/Stainless steel.

Applications :Cement Industry.
: Stone crushers.
:Coal feeders.
:Machinery Belt guards.
:Component trays.

Common Aperture widths (mm)	4x4	6x6	10x10	12x12	16x16	19x19	22x22	25x25	40x40	50x50
General Wire diameter (mm)	2.0	2.5	3.0	4.0	4.0	5.0	5.0	6.0	6.0	7.0

MEDIUM WIRE MESH

A GENERAL PURPOSE CLOTH WITH WIDE APPLICATIONS

Apertures :12mm-0.5mm square openings.
Finish :available in rolls or in cut circles.
Construction :Woven.
Materials :Stainless steel / Galv mild steel.
Applications :Sorting and grading of minerals and sands.
:Agricultural sieves for grain and sand.
:Food protection covers.
:Tea and coffee sieves.
:Chemical and Pharmaceutical sieving
:Fine filters and spray sieves.
:Air filters of combustion engines.
:Extruder screens for polymer melts.
:Spark arrestor screens.
:Fly screens and Mosquito screens .

Common Aperture widths (mm)	11	7	5	4	3	2.5	2	1.5	1.3	1.1	1	0.8	0.7	0.65	0.6	0.5
General Wire diameter(mm)	1.5	1.5	1.2	1	1	0.8	0.6	0.6	0.56	0.5	0.4	0.45	0.4	0.4	0.3	0.3
Equivalent wires per inch.	2	3	4	5	6	8	10	12	14	16	18	20	24	25	30	35

FINE WIRE MESH

This wire cloth is essentially for industrial uses.

Apertures :0.5mm and finer.
Finish :available in rolls or in cut circles and also as fabricated filters.
Construction :Woven n plain and twill weaves.
Materials :Stainless steel/Phos Bronze/Brass.
Applications :Filters elements.
:Bolting cloth for screen printing.

:Dust removing screens.
:Fine sieving of powders and liquids.
:Chemical and Pharmaceutical sieving.
:Fuel filters of combustion engines.
:Extruder screens for Polymer melts.
:Suction strainers.

Normal openings mm	0.5	0.45	0.4	0.35	0.3	0.25	0.2	0.15	0.13	0.10	0.09	0.08	0.06	0.05	0.04	0.03
Nominal wire dia mm	0.3	0.3	0.23	0.17	0.17	0.17	0.12	0.10	0.08	0.07	0.06	0.05	0.04	0.04	0.35	0.03
Equivalent Meshes per inch	33	35	40	50	55	60	80	100	120	150	170	200	250	270	325	400

DUTCH WOVEN FILTER CLOTH

This wire cloth is mainly used in Hydraulic filters as also in fertilisers and alluminium industries.

Apertures :350 microns and finer.
Finish :Available in rolls or in cut circles.
Construction :Woven in plain and twill weaves.
Materials :Stainless steel / Phos. Bronze.
Applications :Filter elements.
:Leaf filter.
:Extruder screen for polymer melts.
:Filter for use in Centrifuges.
:Fluid bed driers.

Nominal Microns	350	300	220	150	120	100	90	75	60	30	30	25	20	15	12
Mesh No.	8x85	12x64	14x88	20x150	24x110	30x150	30x360	40x200	50x250	100x600	200x600	80x700	165x800	120x600	165x1300

Stone Crusher Screens

Apertures :3mm and greater, square or rectangular.
Finish :Open ended or with end hooks.
Construction :Woven from pre-crimped wires.
Materials :Carbon steel/Spring steel/High Tensile steel/Stainless steel.

Applications : Stone crushers.
:Coke / Coal Screens.
:Ore Screens.