

well screens are designed to optimize your well:

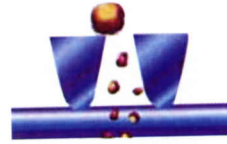
- Maximum flow capacity
- Minimum pressure drop
- Lowest possible cost
- Maximum life for your well



Aokai well screens are manufactured by a 'V' or wedge shaped wire around an internal array of longitudinal support rods. Each intersecting point of these wires is fusion welded. The 'V' or wedge shaped profile wire wraps around the support rods over the full length of the screen creating a continuous slot opening, hence the screen allows water(oil) to enter your well freely in ample quantities, while at the same time keeps the majority of sand and gravel out of the well.

Aokai well screen advantage:

- **CONTINUOUS SLOT** opening significantly increases the available open area, providing greater access to the water-bearing zone.
- **NON CLOGGING** "V" shaped profile wire, avoids clogging, is self-cleaning and ensures an uninterrupted flow. Sandrains make only-two-point contact and do not wedge in the screen's inwardly enlarging slot.
- **LARGE OPEN AREA** This allows more water to enter at much lesser frictional head loss and the efficiency of well is improved appreciably.



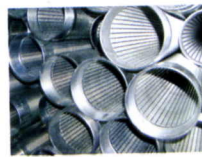
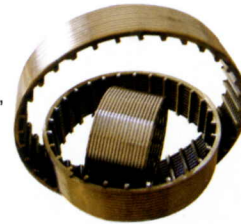
Specification:

PROFILE WIRE								
WIDTH(mm)	1.50	1.50	2.30	2.30	1.80	3.00	3.70	3.30
HEIGHT(mm)	2.20	2.50	2.70	3.60	4.30	4.70	5.60	6.30
SUPPORT ROD							●Round	
WIDTH (mm)	2.3	2.30	3.00	3.70	3.30	φ 2.5- φ 5mm		
HEIGHT (mm)	2.7	3.60	4.70	5.60	6.30	—		

NOTE: Other wires and rods available upon

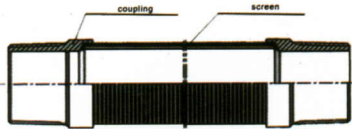
request

- Slot size (mm):0.10,0.15,0.2,0.25,0.30.....3,also achieved upon customer request.
- Open area up to 60%.
- Material : Low Carbon , Low Carbon Galvanized steel (LCG), steel treated with plastic spraying, Stainless Steel ( 304, 316 etc. )
- Lengths up to 6 meters.
- Diameter ranging from 25 mm to 800 mm
- End Connection :Plain beveled ends for butt welding or threaded.

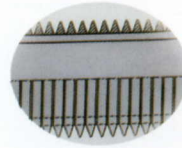


continuous slot screen can be made single layer or double layers ,The single layer can be cut to many kinds of sieve plate. The sieve plate mainly used for water treatment and paper making industry.

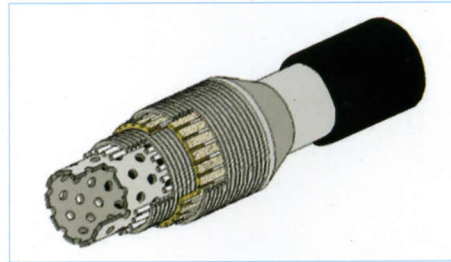
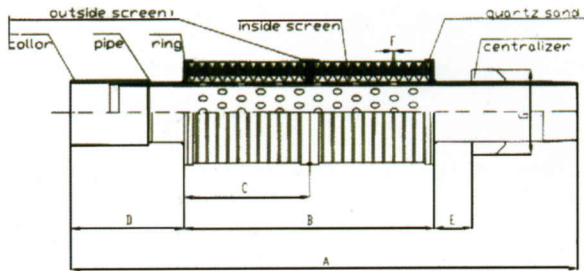
**1)Single continuous slot screen**



**v-shaped wire screen**

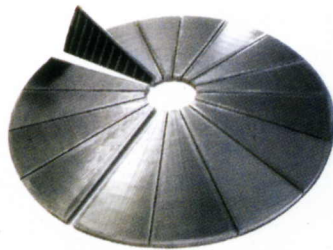
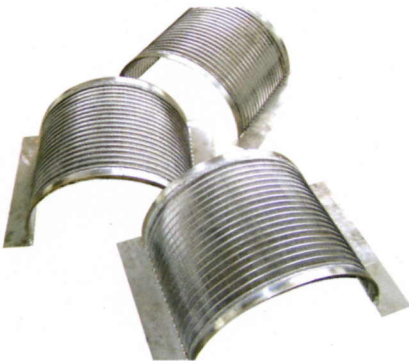


**2)Pre-pack screen**



Pre-packed screen is the combination of screen with different diameter, fill the quartz sand into the space between the double layers in the screen, to make the sand solid and close down, attain the result of defend the sand with sand, Work time less and more efficient

**3)Sieve plant**



## Pipe base screen

Our pipe base screens are manufactured with strict quality standards to be at par with international standards. The screen jackets are manufactured by spirally winding narrow faced Vee-Wire around a cage of longitudinal support rods. Each intersection point of these wires is fusion welded. These jackets are then mounted over seamless pipe which is perforated as per international standards to ensure flow performance, and then both ends of jacket are welded on to the seamless pipe.

### FEATURES & OPTIONS :

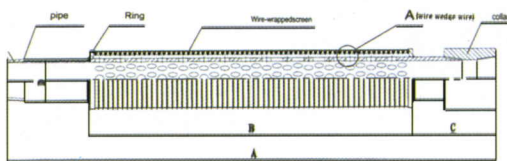
- \* Single Wire Wrapped Screen construction
- \* Size range : 2-3/8", 2 7/8", 3 1/2", 5 1/2", 8 3/8" diameter
- \* Screen material : 304, 316, stainless steel
- \* Base pipe : N/ L 80 or J-55



### Specification:

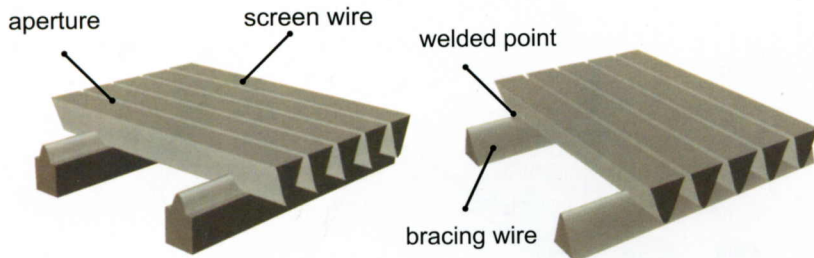
Normal size (m m)	Screen		PIPE		
	O.D(m m)	I.D(m m)	O.D(inch)	O.D (m m)	Thread
φ63	73	63	2 3/8	60.3	2 3/8 TBC
φ74	85	74	2 7/8	73	2 7/8 TBC
φ92	102	92	3 1/2	88.9	3 1/2 TBC
φ142	154	142	5 1/2	139.7	5 1/2
φ220	232	220	8 5/8	219.1	8 5/8 TBC

*NOTE: Other size available upon request*



# STAINLESS STEEL SCREEN

A WIDE RANGE OF TAILOR-MADE STAINLESS STEEL SCREEN FOR DIFFERENT APPLICATION



Shape and size of screen wire and bracing wire

	b	1.2	1.6	2.2	2.5	3.0	3.2		H	3-5
	h	2.8	3.2	4.2	4.3	4.0	4.4		b	3-5
	$\beta$	5°	7°	10°	12°	15°	15°			
	H	4-6	B	1-3				$\phi$	$\phi 2-\phi 5$	

The welded stainless-steel wedge-wire with metal structure is widely used in screening, filtering, dewatering and de-sliming operations in many sectors. Because of its higher strength, rigidity and load-bearing capacity, it can be made into different forms of rigid screening and filtering units.

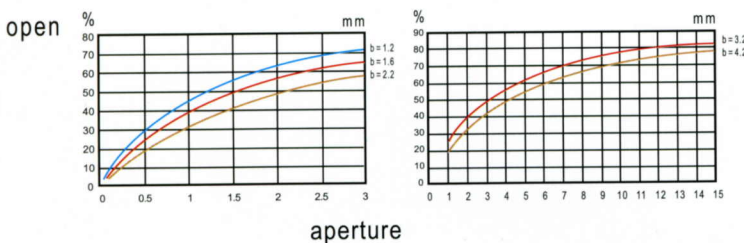
Profiled wires can be welded together with bracing wires of wedge, square, rectangular or round-profile to form the wedge-wire screen mesh according to the required aperture. The aperture ranges from 0.5mm-20mm. The aperture is wedge-formed with excellent filtering and sizing performance. The screen mesh can also be square or rectangular by welding round or square wires together. The profile shape and size of screen wire and bracing wire can be produced according to the customer's needs, besides the general profile shape and size showed in the left chart. The screen wire and bracing wire are produced with round stainless steel wire through cold-forming. The tensile strength and hardness of the stainless-steel wire is increased after cold-forming, leading to the improved resistance.

The material of screen wire and bracing wire is stainless-steel of 304(1Cr18Ni9,1Cr18Ni9Ti) and 316(0Cr17Ni14Mo2Ti), so it has high wear and corrosion-resistance capacities. Material can be chosen according to different application. For example, chemical, environmental protection and food sectors are inclined to corrosions capacity; coal preparation and ore concentration are inclined to wear-resistant capacity.

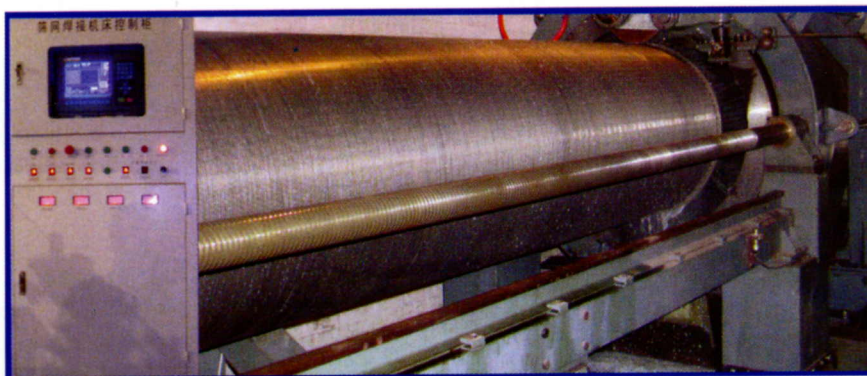
The wires are welded together in the special numerical-controlled welding machine by using the advanced continuous-winding and automatic resistance welding process. The screen apertures are uniform, consistence in size and welding quality.

The welded cylindrical screen diameter ranges from 30mm to 1000mm, its max length can be 6000mm. Out-filter screen tube whose screen wire is outside of the cylinder and inner-filter screen tube whose screen wire is inside of the cylinder can be produced.

The welding is performed on the principle of resistance welding process. It can be welded firmly, so the welding point strength is higher than that of the matrix metal.

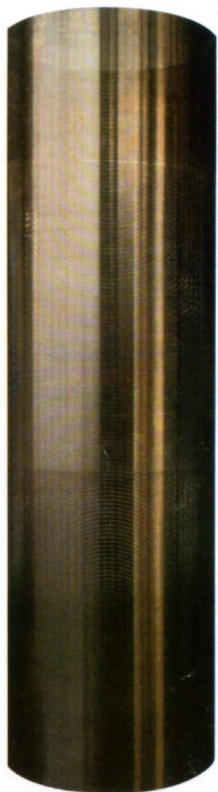


aperture

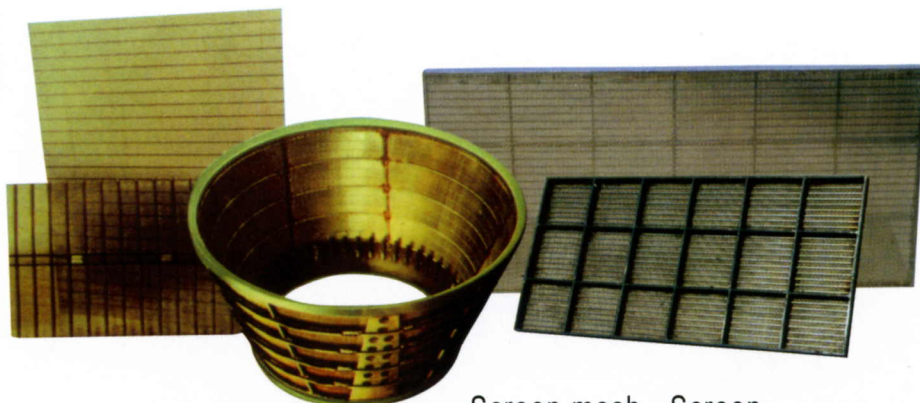


CNC WELDING MACHINE

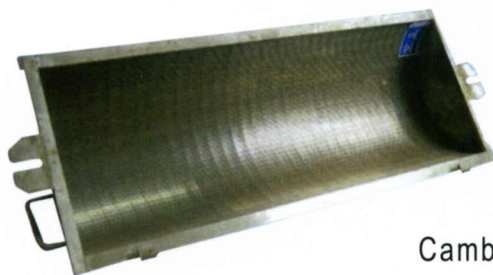
# STAINLESS STEEL SCREEN



Filtrate drum screen



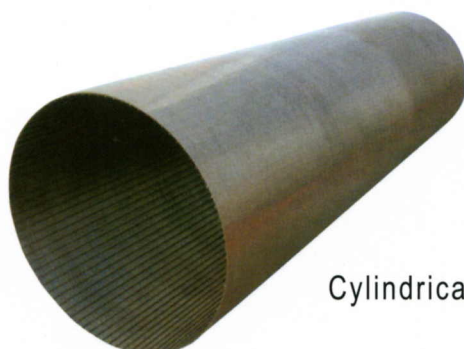
Screen mesh, Screen deck, Screen basket



Camber mesh



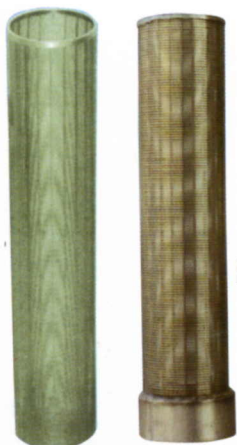
Filtrate Drum screen



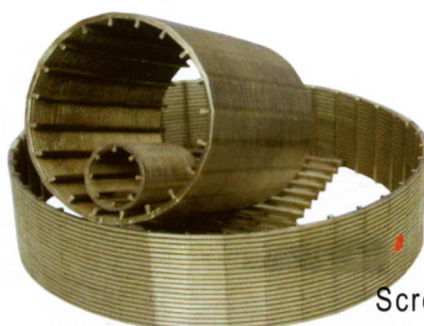
Cylindrical screen



Screen mesh



Filter



Screen tube, Filter tube

