



BEOT-SLOT®

WEDGE WIRE SCREEN TUBE



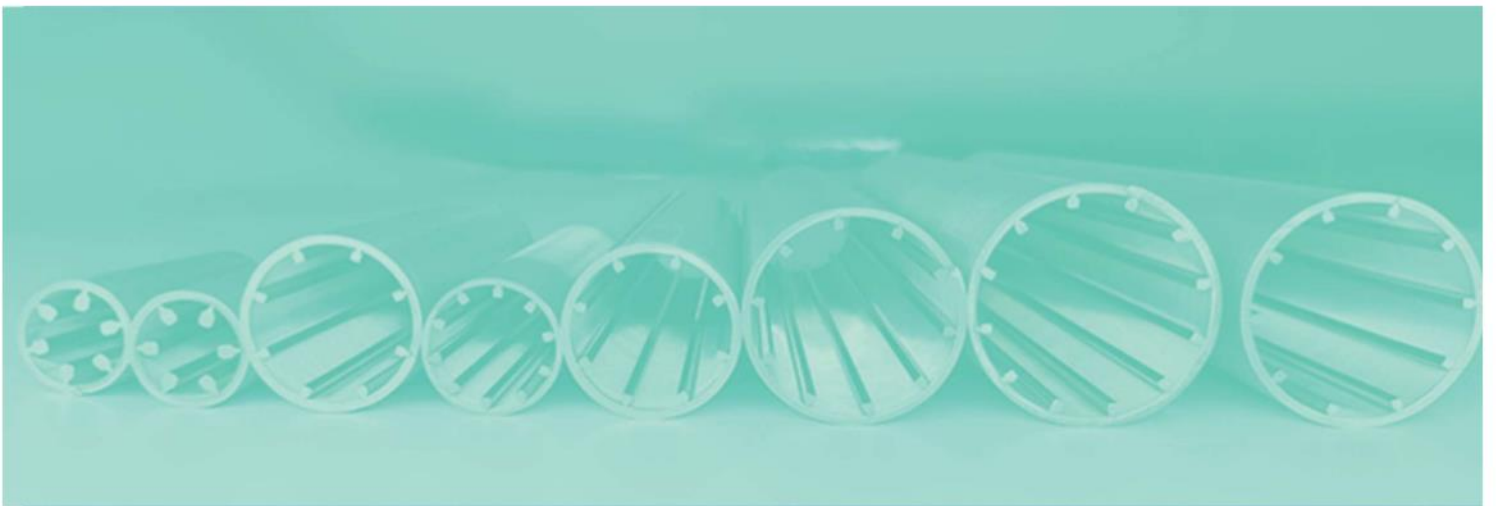
About us

Building upon the past, Endeavoring to do better still

Beot, a world leader in sintered metal filtration technology, has a history of more than 20 years. Our products and technologies serve more than 4000 well-know enterprises around the world.

Exquisite technology, Perfect processing craft

BEOT-SLOT® products have perfect roundness, superior mechanical strength, and the highest gap accuracy in the world. Achieving a gap accuracy of just 10 micron means this product can meet customers' requirements for filtration in many harsh process environments.



▶ **Product features**



1



2

Product types ▶



▶ **Product applications**

3

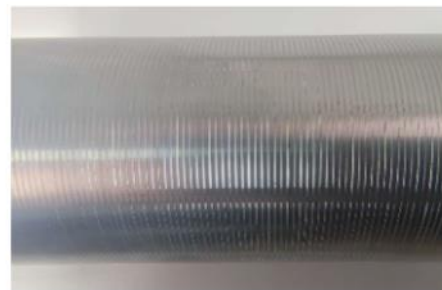


BEOT-SLOT® Product features

BEOT-SLOT® uses the most advanced European technology and production equipment to provide the highest quality wedge wire screen products. We use a proprietary, ultra-high precision automatic welding process to precisely place spiral profile wire on support wires.

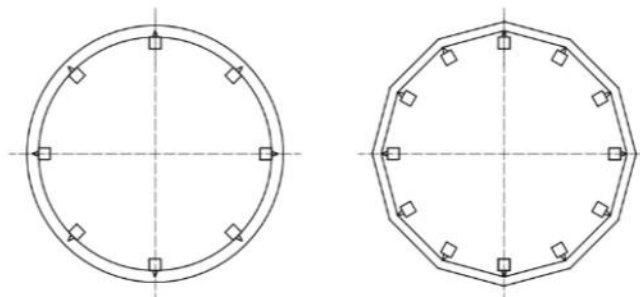
※ World leading gap precision

With the world's leading welding technology and first-class precision production materials, the gap accuracy of our wedge wire products achieves an industry best 10 microns.



Screen tube with uniform gaps

※ Perfect tube roundness



Our product & Competitor's product

※ High structural strength

Proprietary welding technology + high strength and high hardness raw materials = High structural strength products. The structural strength of the slot tube is increased by more than 50%, resulting in higher stability and longer service life. BEOT-SLOT® better meets customers' most demanding requirements.

BEOT-SLOT® Product types

1. Forward winding tube

For filtration on the outside diameter of the filter element, the outer surface of the screen tube is formed by welding the sharp corner of the wedge wire with the top corner of the support wire. The filtration direction of this product is from outside to inside. A minimum slot of 10 microns is available.



Benefits

- Economical
- Suitable for most applications
- Precision openings

2.Reverse winding tube

For filtration on the inside diameter of the filter element, the inner wall of the screen tube is formed by welding the bottom surface of the wedge wire with the harp corner of the support wires. The filtration direction of this product is from inside to outside. A minimum slot of 10 microns is available.

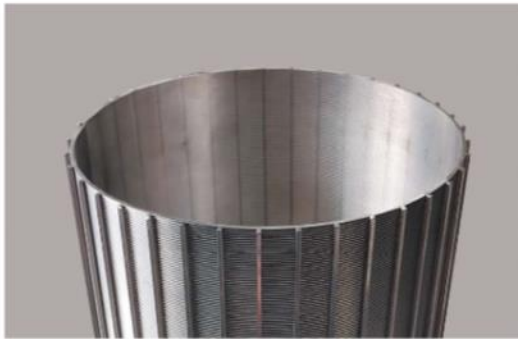


Benefits

- Economical
- Suitable for special applications
- More precise, suitable for the process of filtering from inside to outside

3. Rebend screen tube

The support wires are on the outside in an axial direction and the profile wire runs radially on the inside of the tube. The filtering direction of this product is from inside to outside.



► Benefits

- Smooth internal screen surface
- The flow moves across the wire edges for effective dewatering

4. Axial slot execution

The support wires are on the outside in a radial direction. The filtering direction of this product is from inside to outside.



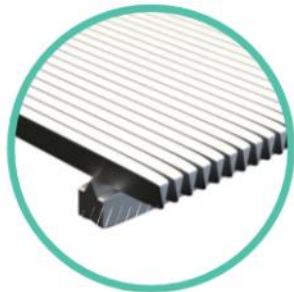
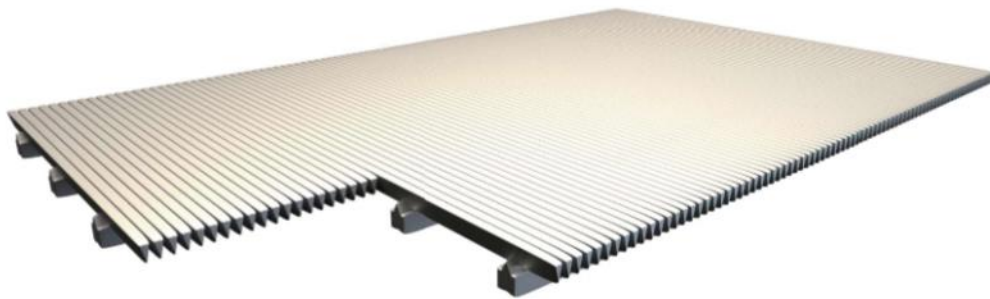
► Benefits

- Smooth internal screen surface
- The flow moves across the wire edges for effective dewatering



5.Flat Screens

This product is made using a proprietary production process.



► Benefits

- High flatness
- Large size
- High structural strength
- Easy to machine

Standard specifications

(customization available)

No.	TYPE (mm)	OD (mm)	ID (mm)	Support wire Number	Filter direction
1	BEOT25	25	12.6	6	FOTI/FITO
2	BEOT33	33	24	8	FOTI/FITO
3	BEOT37	37	28	8	FOTI/FITO
4	BEOT40	40	31	8/10	FOTI/FITO
5	BEOT45	45	36	10/12	FOTI/FITO
6	BEOT48	48	38	10/12	FOTI/FITO
7	BEOT50	50	41	10/12	FOTI/FITO
8	BEOT60	60	51	12	FOTI/FITO
9	BEOT70	70	61	12/18	FOTI/FITO
10	BEOT85	85	76	18	FOTI/FITO
11	BEOT100	100	91	18	FOTI/FITO
12	BEOT213	213	204	40	FOTI/FITO

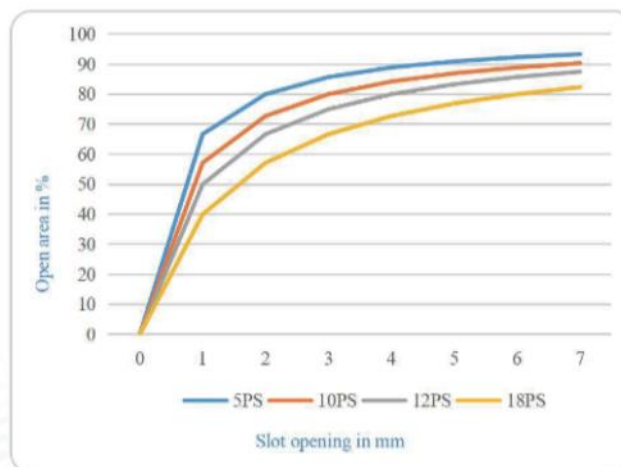
Notes

- Material: 304/304L/316/316L/316Ti/310/321/904L/2205/2507/C22/C276 (other materials available upon request)
- Standard length: ≤ 2400mm
- Filter Direction: FOTI (from outside to inside)
Filter Direction: FITO (from inside to outside)

Main material specifications

Profile Wire	W	H
▼ 5PS	0.5	1.25
▼ 10PS	0.75	1.425
▼ 12PS	1	2
▼ 18PS	1.5	2.5

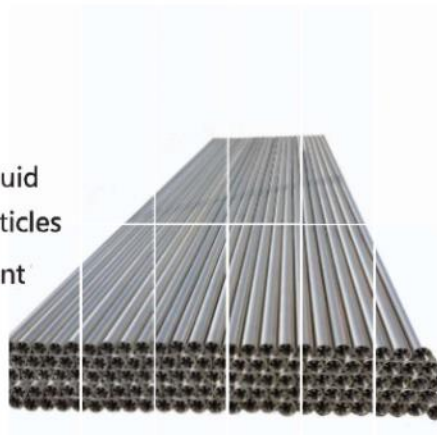
Support Wire	W	H
▲ Q22	2	2.3
▲ Q25	2	3
▲ Q35	3	5



BEOT-SLOT® Product applications

1. Beverage & Food

- ◆ Beer diatomite filtration
- ◆ Activated carbon filtration
- ◆ Resin bed (adsorption and chromatography) — liquid (gas) distributor and prevent the loss of resin particles
- ◆ General filter element (filter bag) as support element
- ◆ Filter as nozzles
- ◆ Screen Panels for starch processing



2. Petroleum exploitation & Chemical

- ◆ Sand control pipe for oil well
- ◆ Prefiltration of oilfield reinjection water
- ◆ Residue & heavy oil filtration
- ◆ FCC slurry prefiltration
- ◆ High temperature condensate filtration
- ◆ Reactor (gas & liquid) distributor
- ◆ Sieve plate and internals of distillation column
- ◆ Diesel oil hydrogenation filtration
- ◆ Support frame of bag filter element



3. Pharmaceutical & fine chemicals

- ◆ Activated carbon filtration
- ◆ Resin bed (adsorption and chromatography) — liquid (gas) distributor and prevent the loss of resin particles
- ◆ Bioreactor (gas & liquid) distributor



4. Water treatment

- ◆ Separate biochemical sewage to prevent the loss of biochemical filter material
- ◆ Prefiltration
- ◆ Filter as nozzles



5. Building & sanitary ware

- ◆ Stainless steel wall cladding
- ◆ Stainless steel stairs
- ◆ Drainage gratings





BEOT-SLOT®

Because of focus, so accurate

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