



**WE MAKE  
WATER AND  
OIL WORK**

天津博通达能源科技股份有限公司  
Tianjin Botongda Energy Technology Co.,Ltd.



## 公司简介

天津博通达能源科技股份有限公司注册于2011年，注册资金850万元，于2011年完成了对中电博源科技有限公司的收购，同年在天津股权交易所挂牌，成为天津开发区第一家在天交所挂牌的企业。

我公司的主营产品全焊式绕丝筛管、约翰逊筛管，具有不易堵塞的特点，材质可根据用户需要选用不锈钢304、316、碳钢（表面可做镀锌、塑料喷涂处理）。主要用于油、气、水井的防砂及各种水处理、过滤、造纸、化工等设备中。公司拥有专业完备的筛管生产设备，采用国际先进水平的生产工艺和检测手段，达到年产100000米的生产能力。产品规格齐全（ $\phi 1.5'' \sim \phi 50''$ ），确保品质，供货及时。除此之外，我公司还从事石油套管、油管、管线管、等各类专业管材，钻探，石油开采，冶炼催化等销售及相关研发业务！

公司立足于国内大型企业的产品以及技术支持，与世界上著名的石油天然气等能源企业建立了长期的合作关系，建立合作关系的国内企业有天津钢管集团、上海宝钢、宝鸡石油钢管有限公司等，海外客户有印度的STEEL AUTHORITY OF INDIA LIMITED DURGAPUR STEEL PLANT以及M/S LARSEN & TOUBRO LTD，俄罗斯的RUSSIA OIL等。

公司以客户的要求为目标，利用自身有效资源，竭尽全力为客户提供及时有效专业的服务。全面秉承质量第一，重视企业管理和质量控制，通过ISO9001:2000国际质量体系认证，具备可靠的质量管理体系。建立了完善的售后服务体系，为企业发展中遇到的问题和困难提供指导帮助。我们相信，通过我们的不断努力和追求，一定会在世界市场的竞争中获得肯定！



公司理念：  
博才·通源·达天下

### Company Profile

Tianjin Botongda Energy Technology Co., Ltd registered on 2011 year with the registered capital 8500000 RMB. In the same year. Tianjin Botongda Energy Technology Co., Ltd to be the biggest shareholder of Tianjin Zhongdian Boyuan Technology Co., Ltd. And to be one of the public company in TIANJIN EQUITY EXCHANGE.

Our mainly products include the wire warped screen pipe, Johnson screen, Slotted filter. Performance our products are mostly used for oil gas and water well to filter sand and other water treatment, filtering progress, petrochemical etc. There are 4 production line for producing the wire wrapped filters. The production capability could achieve 10 000 meters per year. the material includes stainless steel AISI304, AISI316 etc. the specification can be customized by client.

With the support for the goods and technical service from biggest manufacturer in China. We have built a business relationship with many reputed oil and gas company in the world. Our partner includes TPCO, BAOSTEEL, Baoji Petroleum Steel Pipe Co., Ltd. Our customers are in Russia, India, Egypt, Korea etc.

The goal of our company is to meet the requirements of customer with the qualified goods and professional service. We have passed the ISO9001:2000 certificate and build a controllable quality system also effective aftersales service. We believe to pursue better service consistently in the future. We confirm we will help our customer to get more market share in the world.

## Well screens are designed to optimize your Well

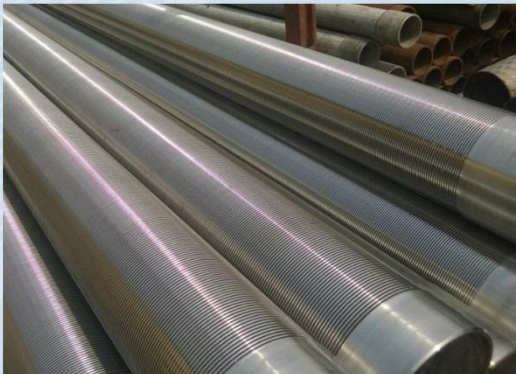


### ● 约翰逊过滤器系列产品成为全球企业的首选

1. 深井取水法，机井，地热井取水，采用公司的各种规格和多样式的过滤器。
2. 约翰逊过滤器耐热，耐腐蚀，并易于通过美国食品及药物管理局的审核批准，所以在食品和药物生产过程中得到广泛应用。
3. 麦芽糖生产厂使用约翰逊过滤器是因为翻转时能进行更加彻底的搅拌，烘干时易于通风。
4. 纸浆和纸张厂中，约翰逊管被用于造纸机，进行循环脱水，碎片排除，烘干，水的净化等。
5. 此外，约翰逊产品还用于矿山加工机，炼油机以及污水处理和供水系统。



### ● Johnson type screens, the First Choice of Industrials



1. Different kinds and specifications of screens are used in motor-pumped wells and geothermal wells.
2. Johnson type screens are used on food processors because they are heat and corrosion resistant and make it easier for FDA approval.
3. Malting plant operators find our flat panel screens provide a more thorough mixing during the turning phase, and better ventilation in the kilning phase.

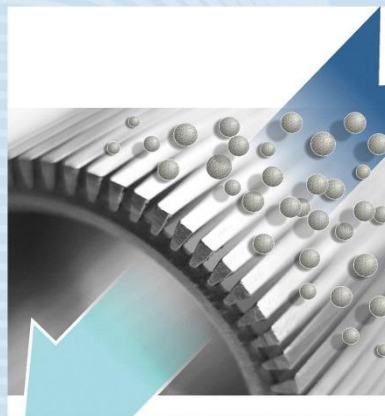
4. Pulp and paper plants use our screens in the wood yard, paper machines, recycling, dewatering, debris removal, fiber fractionalization, drying, water purification and other processes.
5. Johnson type screens are also applied in mineral processors, refiners, waste water treatment and water supply systems.



## Well screens are designed to optimize your Well

### ● 博通达筛管的特点 BTD 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. Sand grains 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.



### ● 参数 Specification

PROFILE WIRE	▼	▼	▼	▼	▼	▼	▼	▼	▼
REFERENCE	47	63	69	93	118	121	130	158	191
WIDTH(mm)	1.2	1.5	1.8	2.3	2.9	3	3.3	4	5
HEIGHT(mm)	2.2	2.5	4.5	3.5	4.7	6	6.3	7	9.2

SUPPORT ROD	▼	▼	▼	▼	▼	●
WIDTH(mm)	2.30	2.30	3.00	3.70	3.30	φ2.8 — φ5
HEIGHT(mm)	2.70	3.60	4.70	5.60	6.30	—

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, etc.)

Lengths up to 6 meters.

Diameter range from 25mm to 1300mm.

End Connection: Plain beveled ends for butt welding or threaded.

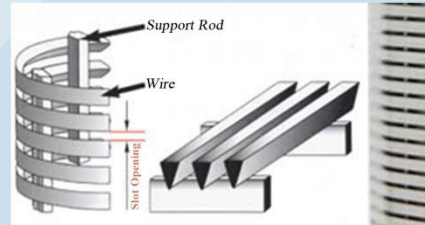
Note: Other wires and rods available upon request.

## 全焊绕丝筛管 Wire wrapped screen pipes



### ● 全焊绕丝筛管 Wire wrapped screen pipes

- Wire wrapped screen pipes are recommended in the following situations:
- Formations comprising small or fine particles.
- Water wells where gravel packs are to be installed.
- Thin aquifers.
- Small-diameter wells.
- Wells that need to developed.



全焊式绕丝筛管在世界范围内被广泛应用于油、气、水井防沙工业中，其在水井工业中的地位尤其突出，是各种水资源过滤管中应用最为广泛的一种。

BTD筛管采用世界先进的全绕焊生产工艺，应用特制梯形丝绕组在呈周围式排列的一组支撑丝上焊制而成，全焊式焊接，保证了产品严格的连续整体性，从而是其形成理想的缝隙尺寸，并具备了最大量承受高压力的性能。

博通达筛管采用世界先进的全焊生产工艺，各生产环节由专业生产人员使用现金精良的专业设备进行生产。产品规格及原材料可根据客户需要特别定制，所有产品均严格参照sy-5182-2008标准进行生产检验，保证产品质量。从而保证广大客户的利益，以最经济的投入获得最高的生产效益。

- 注：1. 该产品可根据客户实际需要定制不同规格及原材料（主要有不锈钢和碳钢两种），保证合理投资，节约生产成本。
2. 筛管链接亦可根据不同需要制作。
3. 非不锈钢产品可通过镀锌或塑料喷涂处理形成保护层。外表美观洁净。
4. 可根据客户需要制作包装。
5. 该产品同时被广泛应用于油气工业，化工、造纸、水处理等行业。





## 全焊绕丝筛管 Wire wrapped screen pipes

### ● Standard Screen



For shallow and medium-depth wells

Nominal Diameter 公称直径	ID 内径	OD 外径	Wt 重量	Collapse Strength 抗压力
inches	mm	mm	Kg/m	bar
2-3/8	45	60.3	4	90
2-7/8	58	73	4	90
4-1/2	100	114.3	5	14
5-1/2	124	139.7	7	8
6-5/8	150	168.3	9	20
8-5/8	197	219.1	15	15
9-5/8	222	244.5	17	9
10-3/4	247	273.1	20	10
12-3/4	298	323.9	24	10
13-3/8	316	339.7	30	9
16	378	406.4	34	9
20	476	508.0	53	9

适用于：浅井或一般井用筛管

### ● Reinforce Screen



For medium-depth and deep wells:  
greater collapse strength due to screens being made from Vee-wires of higher cross-section.

Nominal Diameter 公称直径	ID 内径	OD 外径	Wt 重量	Collapse Strength 抗压力
inches	mm	mm	Kg/m	bar
4-1/2	100	114.3	8	60
5-1/2	124	139.7	10	50
6-5/8	150	168.3	12	50
8-5/8	197	219.1	20	60
9-5/8	222	244.5	25	60
10-3/4	247	273.1	30	45
12-3/4	298	323.9	37	40

适用于：中等深度水井或者深水井；  
更大的强度，更大的过滤面积。

## 筛管（带中心管，基管） 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 wounding narrow faced Vee-Wire around a cage of longitudinal supports rods. Each intersection point of the wires is fusion welded. These jackets are then mounted over seamless pipe which is as per international standards to ensure flow performance, and then both ends of jacket are welded on the the seamless pipe.

由基管，全焊式绕丝筛管和支撑环组成，基管采用符合API标准的套管式油管钻孔而成，全焊式绕丝筛管通过支撑环与基管焊接为一体。



BASE PIPE 中心管						SLIP ON SCREEN JACKET 筛管套				
Nominal Diameter 公称直径 (in)	Pipe OD 外径 (mm)	Weight 重量 lb/ft W.T [mm]	Hole size 孔径 in	Holes per foot 孔密	Total Area of holes m <sup>2</sup> /ft	Screen OD (in) 外径	Open area of screen in <sup>2</sup> /ft 开孔面积 SLOT 缝隙			
							0.008"	0.012"	0.015"	0.020"
2-3/8	60	4.6 [4.83]	3/8	96	10.60	2.86	12.68	17.96	21.56	26.95
2-7/8	73	6.4 [5.51]	3/8	108	11.93	3.38	14.99	21.23	25.48	31.85
3-1/2	88.9	9.2 [6.45]	1/2	108	21.21	4.06	18.00	25.50	30.61	38.26
4	101.6	9.5 [5.74]	1/2	120	23.56	4.55	20.18	28.58	34.30	42.88
4-1/2	114.3	11.6 [6.35]	1/2	144	28.27	5.08	15.63	22.53	27.35	34.82
5	127	13 [6.43]	1/2	156	30.63	5.62	17.29	24.92	30.26	38.52
5-1/2	139.7	15.5 [6.99]	1/2	168	32.99	6.08	18.71	26.96	32.74	41.67
6-5/8	168.3	24 [8.94]	1/2	180	35.34	7.12	21.91	31.57	38.34	48.80
7	177.8	23 [8.05]	5/8	136	42.16	7.58	23.32	33.61	40.82	51.95
7-5/8	194	26.4 [8.33]	5/8	148	45.88	8.20	25.23	36.36	44.16	56.20
8-5/8	219	32 [8.94]	5/8	168	51.08	9.24	28.43	40.98	49.76	63.33
9-5/8	244.5	36 [8.94]	5/8	188	58.28	10.18	31.32	45.15	54.82	69.77
10-3/4	273	45.5 [10.16]	5/8	209	64.79	11.36	34.95	50.38	61.18	77.86
13-3/8	339.7	54.5 [9.65]	5/8	260	80.60	14.04	37.80	54.93	66.87	85.17





## 异型（形）丝（线） Special shaped Stainless Steel Wires



我们专业生产不锈钢201 304 316 321等多种材质扁丝，方丝，椭圆丝，半圆丝，椭圆丝，梯形丝，菱形丝，扇形丝，蘑菇型丝等不锈钢异型丝。公司拥有具体先进的冷拉型钢设备，调制，滑直设备。

不锈钢异型丝，不锈钢扁丝，不锈钢方丝，不锈钢扁条，不锈钢三角丝丝，不锈钢椭圆丝，不锈钢菱形丝等不锈钢异型丝产品广泛应用于化工、冶金、机械、食品、医药、塑料、粉末等行业，产品远销全国十八个省、市及日本、韩国、俄罗斯、台湾等国家和地区，深受广大用户的信赖，我们会以专业的技术工艺、一流的产品质量、完善的售后服务和服务和合理的产品价格取信于用户，与

时俱进，务实创新。

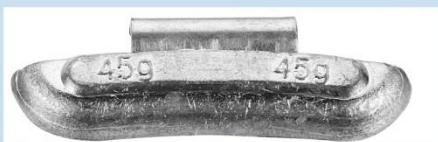
(1) 尺寸标准：国内生产的产品尺寸一般为 $\pm 0.02 \sim \pm 0.03\text{mm}$ ，较高精度可达 $\pm 0.005 \sim \pm 0.015\text{mm}$ 。

(2) 表面质量：表面光亮，无毛刺，色泽均匀一致。

(3) 强度：600-2000N/MM<sup>2</sup>，硬度可以调节，可以根据客户要求定做不同规格不同尺寸。

公司采用自行设计加工的异型模，在冷拔加工时，在丝材表面进行特征的工艺处理，解决了异型不锈钢丝的冷拉脆断、毛刺问题。产品表面质量、尺寸形状和性能符合要求。

产品全面实行严格的质量管理，公司的发展方向就是将进口产品国产化及国内高新产品的研发与推广。公司研发的异型线材截面多样化，产品主要用于电磁线、石油化工、矿业、造纸、筛选、刃量具、汽车、摩托车、航空、军工等各个行业。客户可提供产品的具体尺寸图，根据产品表面的精度要求、公差、物理性能、数量等进行咨询。



## 异型丝 Special shaped Stainless Steel Wires



### 雨刮臂 Wiper arm

具有良好的成形性，耐腐蚀性，加工后无需添加涂层。  
Good formability, superior corrosion resistance and no post coating required.



### 强力弹簧 Power spring

广泛的尺寸范围，韧度和拉伸强度，具有优良的抗疲劳特性。  
A broad range of sizes, tempers and tensile strengths that can be combined to reach excellent fatigue properties.



### 雨刮片 Wiper blade

一种带有涂层的不锈钢钢材，能设计出具有更强竞争力的雨刮器。  
A coated wire with stainless steel like properties for a competitive wiper design.



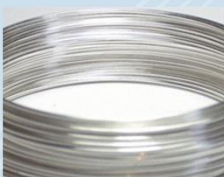
### 楔形丝 Wedge wire

楔形不锈钢丝具有光滑表面和稳定的机械性能。  
A wedge shaped stainless steel wire with a smooth surface and stable mechanical properties.



### 平衡块 Wheel weights

无铅型异型丝制作的平衡块，可以精确的引导车轮动平衡并能准确的插入弹片中。  
Lead-free shaped steel wire that enables accurate wheel balancing and the insertion of clips.



### 圆形丝 Round shaped wire

可根据客户需求订购不同尺寸。  
The product can be ordered according to customer needs.

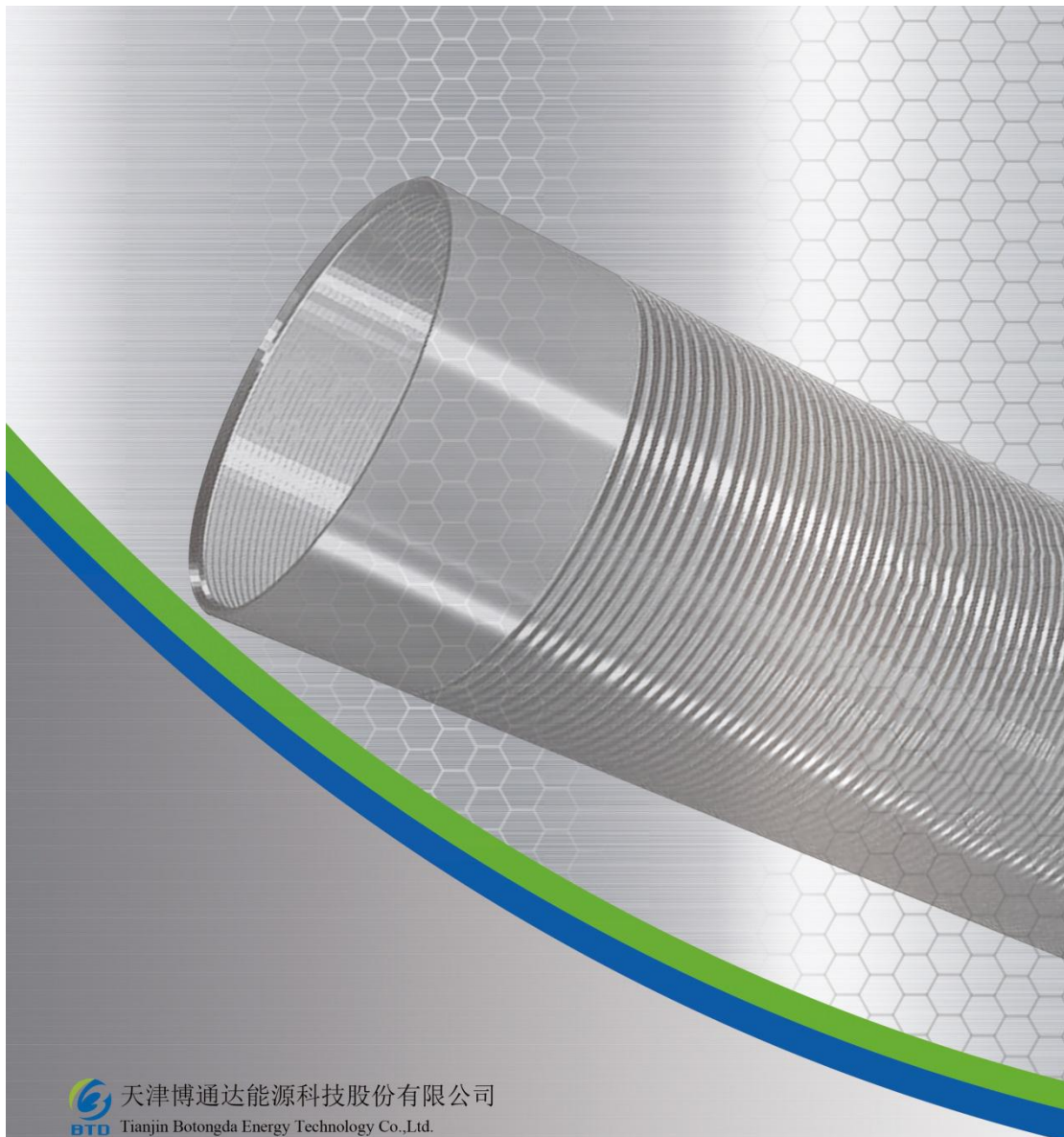



## 销售网络 Sales network



产品畅销全国各地，并远销东南亚、中东、北美、南美、欧洲、非洲、澳洲等地区，形成了覆盖全球的市场销售网络。

Our products sell very well throughout the country. Our sales net has covered almost all global areas, such as Southeast Asia, Middle East, North America, South America, Europe, Africa, Oceania and etc.



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