



SCREEN PIPES & ARTESIAN PIPES



Bail Plugs / Sumps

Bail plugs and sumps are crucial for fluid management and containment. Bail plugs seal openings in tanks and pipes to prevent leaks, made from durable materials like rubber or plastic. They are essential in oil, gas, and water treatment industries. Sumps, on the other hand, are pits or reservoirs designed to collect and manage excess fluids, such as wastewater. Constructed from materials like concrete or plastic, sumps often include pumps for fluid removal. Both components ensure effective drainage, prevent flooding, and maintain system integrity across industrial and environmental applications.



Bridge Slotted Well Screens

Our high-density bridge slotted well screens provide a cost-effective solution for soil sanitation processes. Designed with a high open area and precise slot openings, these screens handle various gravel sizes and medium sandstone reservoirs efficiently. Their robust construction ensures durability and reduced maintenance, making them ideal for demanding filtration applications. The screens enhance performance by minimizing clogging and optimizing water flow. Whether for soil sanitation or reservoir filtration, our bridge slotted screens deliver reliable, high-performance results at an economical cost, ensuring effective filtration and long-term operational efficiency.

TME Grup Makina İnşaat Sanayi Ticaret Limited Şirketi

info@tmegrup.com

+90 540 8630013 + 90 540 8634787

www.tmegrup.com



Centralizers

Centralizers are crucial for maintaining the correct alignment of pipes or casings within boreholes or pipelines. They ensure that these components remain centered and stable during installation and operation. Made from materials like steel, plastic, or composite, centralizers come in designs such as bow spring or rigid types, tailored to specific applications. In the oil and gas industry, they are essential for casing and drilling operations, while in construction and civil engineering, they help align structural elements and pipelines. By preventing misalignment and enhancing stability, centralizers optimize the efficiency and longevity of the systems they support.



Lifting Cap For Round Threads

Lifting caps for round threads on screen pipes are essential for safely lifting and handling screen pipes with threaded ends. Constructed from durable materials like steel or alloy, these caps are designed to fit securely onto the threaded sections, ensuring a stable lift. They often feature locking mechanisms to prevent slippage and enhance grip. Commonly used in construction and manufacturing, these caps are crucial for the installation and maintenance of well screens and filtration systems. Their ability to accommodate various thread sizes makes them versatile and reliable, optimizing handling efficiency and minimizing damage during lifting operations.



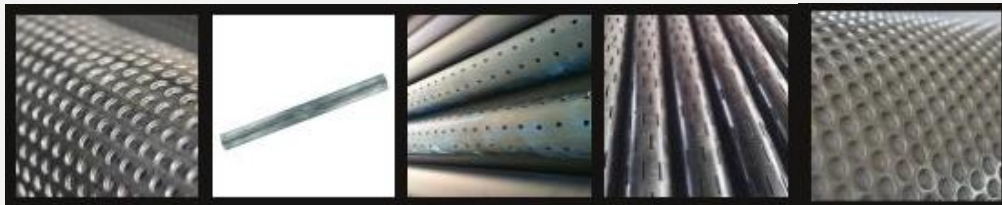
Oil Sand Control Well Screens

Multi-layer sand control screens are essential for effective filtration in well operations. They feature a perforated base pipe with specifically designed holes, a middle leak-off mesh for enhanced sand retention, and wire mesh or metal wool for additional filtration. The outer layer is a stainless steel protective tube, providing durability and protection. Customizable hole patterns, such as round or bridge slot, in the perforated base pipe and outer tube meet varied customer needs. This multi-layer construction ensures reliable sand control and performance in challenging environments, making it ideal for various well applications.



Perforated Pipes

The entire pipe undergoes anticorrosion treatment and receives a protective covering, enhancing its resistance to corrosion and abrasion. This treatment significantly improves the pipe's durability, ensuring extended service life even in harsh underground conditions. The protective covering not only safeguards the pipe from environmental damage but also contributes to its overall performance and longevity. This approach is crucial for maintaining pipe integrity and functionality throughout its operational life.





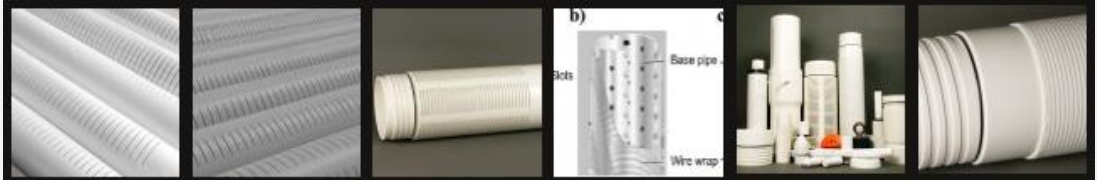
PVC- Casings

PVC casings for screen pipes provide essential protection and durability. Crafted from high-quality polyvinyl chloride (PVC), these casings offer excellent resistance to corrosion, chemicals, and abrasion. They safeguard screen pipes from environmental damage and extend their operational lifespan. Ideal for use in water wells and industrial filtration systems, PVC casings are available in various sizes and configurations to suit different screen pipe dimensions. Their lightweight nature facilitates easy handling and installation. By enhancing the durability and performance of screen pipes, PVC casings are a reliable and cost-effective solution for maintaining efficient operation in challenging conditions.



PVC- Screens

Our high-density PVC screens provide a cost-effective solution for soil sanitation. Designed with a high open area and precise slot openings, these screens handle various gravel sizes and medium sandstone reservoirs effectively. Their robust construction ensures efficient filtration and durability, making them ideal for diverse soil and water treatment processes.



Stainless Steel Casings

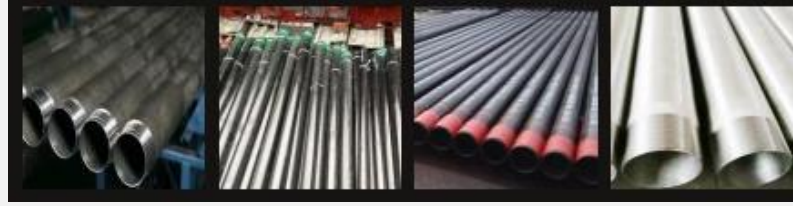
Stainless steel casings are crucial for stabilizing wells, ensuring smooth and reliable operation. Their robust construction provides structural support and prevents collapse, while their resistance to corrosion and wear extends the lifespan of the well. By maintaining the integrity of the well structure, stainless steel casings help to ensure consistent performance and reduce maintenance needs.





Steel Surface Screens

Steel surface screens are essential for artesian wells, providing crucial support and filtration. Made from high-strength steel, these screens are designed to withstand harsh conditions while preventing debris and sediment ingress. They maintain well stability and ensure smooth water flow by effectively filtering particulates. Their durable construction and efficient design enhance the performance and longevity of artesian wells, reducing maintenance needs and ensuring a reliable water supply. Available in various sizes, these screens can be customized to meet specific well requirements.



Water Well Screens

Water well screens for artesian wells are essential for efficient water extraction and well maintenance. Made from durable materials like stainless steel, these screens prevent sediment and debris from entering the well while ensuring optimal water flow. They feature precision-engineered slots for effective filtration and stability. Designed to withstand harsh conditions, these screens enhance well performance and extend service life. Available in various sizes, they can be tailored to meet specific well requirements, ensuring reliable and efficient operation in artesian water systems.



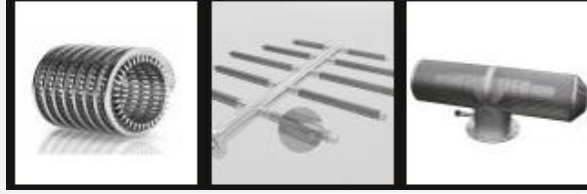
Wedge Wire Screens

Wedge Wire Screens for Artesian Wells

Wedge wire screens are essential for artesian wells, offering superior filtration and structural stability. Constructed from high-quality stainless steel, these screens feature a wedge-shaped wire design that ensures precise slot openings for effective sediment and debris filtration. Their robust construction provides long-term durability and corrosion resistance. Designed to



enhance water flow and well efficiency, wedge wire screens support reliable well performance and reduce maintenance needs. They are available in various sizes and configurations to meet specific well requirements, ensuring optimal operation in artesian water systems.





PVC WELL CASING & SCREEN PIPE



PVC well casing and screen are widely favored due to their lightweight, strength, ease of installation, durability, corrosion resistance, and cost-effectiveness. Conditions encountered at water well drilling sites and within boreholes are typically harsh.

Here are some guidelines to follow:

- Utilize scientific documentation and technical data throughout the process, from site selection to pipe selection.
- Store pipes that are not immediately used on wooden wedges, covered, and shaded.
- During loading and transportation, ensure pipes do not come into contact with the ground, and protect threaded ends particularly.
- Do not remove protectors from male head threads until the pipe is ready to be lowered.
- Conduct a thorough inspection of pipes before installation, and do not use pipes with visual defects.
- Choose pipes based on the appropriate pump and ensure the well diameter matches the pipe diameter.
- Avoid covering pipe threads with grease or other lubricants; water and soap are sufficient for installation.
- Do not apply adhesives to pipe threads as they can degrade the pipe and disrupt attachment.
- Use appropriate tools that do not damage pipes, such as belted tightening wrenches, during installation.
- If the pipe lowers slowly into the well, fill it with well mud using a gun or bucket rather than blowing it.



- Use a centering spring every 8 meters to maintain pipe alignment within the well, especially at the lowest closed pipe.
- If the pipe becomes stuck during installation, remove it and re-scan the well with an auger before re-lowering the pipe.
- Once the pipe touches the bottom of the well, withdraw it by at least 10 cm and suspend it to keep it straight during graveling.
- Gravel should be continuously and evenly shoveled around the equipment pipe to maintain its straightness.
- Prevent the formation of bridges in gravel, especially in silt-laden areas; immediate action should be taken if bridging occurs to prevent well collapse.
- Do not mount pumps with vertical axles or pump connection parts directly onto PVC equipment pipes; use an iron sheet pipe at the well end for pump connection instead.
- When selecting a pump, consider the internal diameters of the pipes to ensure compatibility.