

Wedge Wire Screen for Water and Oil Wells

Wedge wire screens are manufactured by wrapping and welding stainless steel profile wire around support rods, forming continuous slot openings. These screens are used in water wells, oil and gas wells, and industrial filtration to allow water flow while blocking sand and gravel.



Product Overview

High-Performance Well Filtration

These wedge wire screens, commonly known as Johnson screens, are engineered for optimal performance in water, oil, and gas well applications. The design utilizes all-welded wedge wire wrapped around support rods to create continuous slot openings, ensuring superior sand control and flow capacity. Built with a perforated or slotted API casing base pipe, these screens offer exceptional structural integrity and deformation resistance under high-pressure strata conditions.

Technical Specifications

Material Options	Stainless Steel, Carbon Steel
Base Pipe Standard	API 5CT
Screen Design	All-welded wedge wire with V-shaped opening

Key Features

Performance Highlights

97 %

Integrated Strength Retention (approx)

Key Benefits

- High filtering accuracy via V-opening design
- Excellent resistance to deformation
- High sand control reliability
- Increased oil and water production capacity
- Cost-effective mass production

Applications

Typical Applications

Water Wells • Oil Wells • Gas Wells • Sand Control