Slotted Pipe

Product Coding
P5XXXXXXXX

Introduction

Slotted pipes are widely used in deep bore wells and oil wells as an effective sand control solution. During drilling and production, sand entering the well can reduce efficiency, and slotted pipes help prevent this by being installed during early completion or production stages. These pipes are made from high strength alloy steel casing, with precisely cut slots arranged in a predefined pattern. The openings usually have rectangular or trapezoidal shapes. Modern cutting methods allow the production of high precision slots as small as 0.1 mm, with uniform width and clean edges, eliminating the need for additional finishing. This results in high accuracy, efficiency, and flexibility in slot design. Slotted pipes also function as well-completion tubulars, similar to perforated pipes but with different geometry and sand control performance. Their slot design enables controlled fluid inflow while offering improved sand retention and mechanical strength in certain applications.

Features

- Strong and reliable for long completion intervals or low productivity wells
- Manufactured from steel pipe or casing with milled or saw cut slots
- Ideal for vertical wells in consolidated or coarse formations
- Low open area configuration (around 3%)
- Slot sizes available from 0.38 mm to 6 mm
- Pipe diameters from 2" to 9 5/8"

Applications

- **Oil and gas well completions:** Inflow conduit for production and injection wells.
- **Sand control systems:** Structural base pipe for wire wrapped screens, slotted liners, and gravel pack completions.
- **Horizontal and deviated wells:** Reliable mechanical backbone for long reach and complex well profiles.
- **Corrosive and high temperature reservoirs:** Suitable for HPHT and sour service environments.

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