



**Johnson
Screens**

A brand of
Aqseptence Group

JSL Deep Drop Pipe

The JSL Deep is part of the JSL Family of spline-lock, anti-rotational drop pipes. It has a stud-in-notch design to prevent torque rotation from pump startup. This design has been created for the most demanding applications. JSL Deep is the best choice when installing extremely deep wells.

Stainless Steel Stainless steel has been widely used for potable water for maximum anti-corrosion protection. JSL drop pipes are manufactured from 304 or 316L stainless steel. Pickling and passivation is also available.

Fittings Conventional flanged fittings can be cumbersome and take a long time to install. The JSL Deep is an economical solution, combining compactness, a water tight seal and ease of assembly.

- Features**
- Stainless steel construction
 - Stud/notch engagement prevents torque rotation
 - Groove and spline design eliminates cross threading
 - Double O-ring for pressure seal and spline protection
 - No special tools are needed to assemble or disassemble
 - Riser sections are manufactured in lengths of 10 ft. or 20 ft.
 - A short pump adapter is configured according to pump connection type and dimensions (thread, flange, etc.)
 - The riser outlet can also be customized



Technical Specifications

Nominal Pipe Size (in)	Male OD (in)	Female OD (in)	Tensile Strength* (lbs)	Pressure Rating** (psi)
2	2.38	3.4	40,000	≥3,500
3	3.5	4.7	65,000	≥3,500
4	4.5	5.6	69,000	≥3,500
6	6.63	7.9	73,000	≥3,500
8	8.63	10	75,000	≥3,500
10	10.75	12.5	80,000	≥3,500

* Calculated with a 2:1 safety factor

** Testing equipment available had a maximum pressure rating of 4,900 psi at 73 °F. No leaks were detected at 4,900 psi.

Fitting Design

- The JSL connections are seamless, fully machined in a heavy wall pipe
- Pull tests show tensile strength values greater than those of most applications
- Two O-rings to ensure water tightness
- Two slots on the female end used to insert flexible splines, intended to absorb traction forces, into each intermediate groove
- Twisting forces on pump startup and shutdown are neutralized by a stud on the male end which engages in a notch on the female end

Installation

- No special tools are needed to assemble or disassemble a riser with JSL connection
- The O-rings are fitted to the female end, the male end is inserted into the female end after alignment of the anti-rotation stud and notch
- When the ends are fully seated, stainless steel spines are inserted into the slots
- When the spline appears at the other end of the slot, the connection is complete

Johnson Screens Water Well Screens

North and South America
Phone +1 651 636 3900
info.us@johnsonscreens.com

Europe, Middle East & Africa
Phone +3 3 23 75 05 42
info.fr@johnsonscreens.com

Asia Pacific
Phone +61 7 3867 5555
info.au@johnsonscreens.com

johnsonscreens.com