



**Johnson
Screens**

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Aqseptence Group

JSL Rapid™ PVC Drop Pipe

Fastest Installation with the Most Reliable Performance

The JSL Rapid PVC Drop Pipe is part of the JSL family of spline-lock, anti-rotational drop pipes. Specifically designed for PVC drop pipe, JSL Rapid uses a patented design that eliminates torque rotation from pump startup. JSL Rapid is easy to use and allows for a quick installation of PVC drop pipe. JSL Rapid is available in Schedule 80 pipe in 20', 10' and 5' lengths.

Features

- JSL Rapid couplings are pre-assembled on 20' PVC drop pipe.
- NSF 61 certified for drinking water.
- Single button spline assembly.
- NSF 372 certified lead-free 304 stainless steel coupling.

Benefits

- Fast installation – splines install quickly by hand.
- High burst pressure and tensile strength allow for deep sets.
- Patented anti-rotational joint limiting torque rotation from pump startup.



Schedule 80 JSL Rapid Coupled Drop Pipe

Nominal Pipe Size (in)	OD (in)	Min. Wall (in)	Approx. Weight With Coupler (lbs/ft)	ASTM Water Pressure Rating (psi)	Flow Rate*		Friction Loss (psi/100 ft)	Rec Max Depth (ft)** Surface Discharge Pressure				Max Pump HP	Recommended Max Tensile Strength (lbs)
					GPM	ft/sec		0 psi	25 psi	40 psi	60 psi		
2	2.38	0.22	1.15	400	46	5	2.08	881	826	792	748	20	2,243
					60	6.5	3.32	857	803	771	728		
					74	8	4.83	830	778	747	706		
					92	10	7.22	791	741	712	672		
3	3.50	0.30	2.35	370	103	5	1.27	829	773	740	695	30	3,846
					134	6.5	2.04	815	760	727	683		
					165	8	2.97	799	745	712	669		
					206	10	4.45	774	722	690	649		
4	4.50	0.34	3.53	320	179	5	0.91	723	667	633	587	50	4,820
					233	6.5	1.46	714	658	625	580		
					287	8	2.13	704	649	616	572		
					358	10	3.19	688	634	602	559		

Tables are only for reference, pressure and tensile ratings should not be exceeded.

*Industry standards recommend not to exceed velocity of 5 ft/sec.

**In order to achieve max set depths, all threaded adapters must be stainless steel. Use of PVC adapters requires derating by 50%.



JSL Rapid Coupler Dimensions

Nominal Pipe Size	Approx. OD (in)	Length (in)	Weight (lbs)
2"	3.00	5.00	3.48
3"	4.25	5.56	6.70
4"	5.31	7.00	11.86

Best Practices

- Water hammer suppressors and pressure relief valves should be placed within 20 ft of the wellhead.
- Good well-system design will take into consideration appropriate outlet flow rates and pressures when selecting pump size.
- Water hammer suppressors and/or soft start controls are recommended for use with JSL Rapid coupled pipe.
- Check valves are recommended.
- De-rating of pipe should occur if temperatures exceed 73 degrees Fahrenheit.

Assembly Tips

- Apply a high quality, non-petroleum, pipe paste grease, NSF approved for PVC, to the O-ring and the O-ring mating surface. Ensure grease is compatible with EPDM O-rings.
- Do not pre-assemble pipe lengths – assemble or disassemble one length at a time in a vertical position.
- Always use elevators, clamps and tools designed for PVC when handling PVC drop pipe.
- Ensure spline is fully installed into JSL Rapid coupling. When spline is fully inserted, the tab will snap into the opening of the coupler.
- Align key inside the coupling with the notch in the pipe and insert the male end fully into the coupling.
- Contact Johnson Screens for PVC handling and storage instructions.



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