



**Johnson
Screens**

A brand of
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		

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

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



JSL Rapid Coupler Dimensions

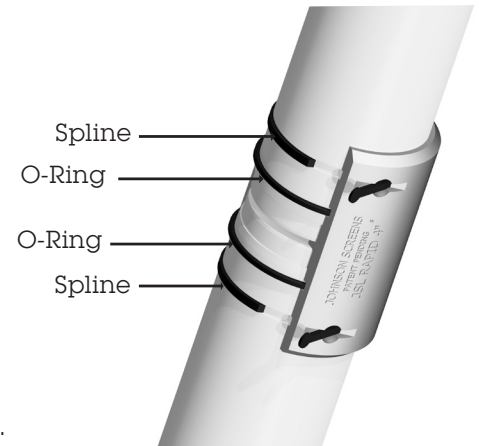
Nominal Pipe Size	Approx. OD (in)	Length (in)	Weight (lbs)
2"	3.00	5.00	3.48
3"	4.25	5.56	6.70
4"	4.51	7.00	11.86

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.
- Recommend water hammer suppressors and/or soft start controls are used 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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