

The Shur-Align® drop pipe system allows for a quick and easy installation of submersible pumps



Shur-Align drop pipe has the longest inlet bell in the industry, funneling and aligning the pipe before the threads engage—reducing cross threading and speeding up the assembly process.

The Shur-Align drop pipe system, with threaded integral bell, does not require a separate coupling - reducing the possibility of leaks and speeding up assembly time.

The entire joint of the Shur-Align drop pipe system — not just the threaded integral bell — is formed from SCH 120 PVC for maximum strength and durability, making installation of submersible pumps quicker and easier.

Features and Benefits

- Reduced installation costs
- No additional couplings
- Easy alignment and engagement
- Reduces cross threading
- Quick makeup
- Beveled shoulder for easier pump service

Schedule 120 Shur-Align Threaded PVC Drop Pipe

Nominal Pipe Size (in.)	Approx. Bell OD (in.)	Approx. Pipe OD (in.)	Min. Wall (in.)*	Approx. Weight (lbs./ft.)	ASTM Water Pressure Rating (PSI)	Flow Rate		Friction Loss (psi/100 ft)	Rec Max Depth (ft.) Surface Discharge Pressure				Recommended Pump HP	Recommended Max Tensile Strength (Lbs)
						GPM	ft./sec.		0 psi	25 psi	40 psi	60 psi		
1	1.80	1.315	0.200	0.46	360	10.2	5	5.22	741	690	659	618	1.5	1,342
						13.3	6.5	8.33	697	648	619	581		
						16.4	8	12.06	650	605	577	541		
						20.5	10	17.99	587	546	522	489		
1.25	2.20	1.660	0.215	0.65	300	18.5	5	3.63	639	585	553	511	2	1,768
						24.1	6.5	5.79	610	560	529	488		
						29.6	8	8.40	580	531	502	464		
						37	10	12.54	537	492	465	429		
2	3.00	2.375	0.250	1.11	240	43.0	5	2.16	527	472	439	395	7.5	2,671
						55.9	6.5	3.46	513	459	427	385		
						68.8	8	5.03	496	444	413	372		
						86.1	10	7.52	472	423	393	354		

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

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

Installing submersible pumps is now quicker and easier than ever before

The Shur-Align drop pipe's patented design allows for quicker and easier installations of submersible pumps

Best Practices

- Recommend water hammer suppressors and/or soft start controls are used with Shur-Align MXF drop pipe. Water hammer suppressors and relief valves should be placed within 20 ft. of wellhead.
- Good well-system design will take into consideration appropriate outlet flow rates and pressures when selecting pump size
- Torque arrestors should always be used with Shur-Align MXF
- 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 sealant, NSF approved for PVC, to each thread joint. Improper application of TFE tape sealants can result in over-stressed threaded connections and potential joint failures
- 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
- Tighten joints a maximum of two turns beyond finger tight – DO NOT OVERTIGHTEN
- Avoid using tools which may gouge or damage PVC – this can lead to premature failure
- Contact Johnson Screens for PVC handling and storage instructions

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