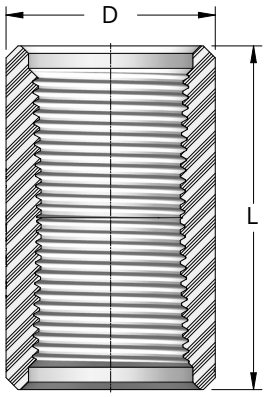
28-PDPC SERIES - EXTRUDED PVC DROP PIPE COUPLINGS

APPLICATIONS:

- Designed for submersible pump installations using Sch. 80 or Sch. 120 PVC drop pipe.
- The use of PVC compatible thread sealant compound is recommended. (Do not use petroleum based pipe thread sealants.)
- It is the sole responsibility of the system designer or end user to ensure that installation does not exceed pipe manufacturer's weight holding capacity and / or pressure ratings, depth of pump set rating, or the recommended joint strength rating.

FEATURES:

- Custom thread specifications for greater thread engagement, ensuring higher weight holding capacity for your pump column. (See page 2 for diagram.)



SPECIFICATIONS:

- Made from extruded PVC.
- Extra deep NPT threading for increased thread engagement / load bearing capacity (Based on ANSI/ ASME B1.20.1).

CAUTION: We do not recommend the use of PVC drop pipe couplings made through the injection molding process. Injection molded couplings are not suited for deep pump set due to weakened structure at points where the plastic bonds together during the molding process.

RATINGS & DIMENSIONS

Part Number	Nominal Size (FPT x FPT)	Diameter (D)	Length (L)	Maximum Weight Holding Capacity*	Maximum Pump Set Depth**	Temperature Range***
28-PDPC-10	1"	1.750	2.875	504	400	+33.8°F to 100°F (+1°C to 37.8°C)
28-PDPC-12	1-1/4"	2.120	2.875	669	400	
28-PDPC-15	1-1/2"	2.365	3.00	731	350	
28-PDPC-20	2"	2.835	3.00	896	300	

*Based on submersible pump & pump cable not exceeding 200lbs.
**For deeper pump sets use 28-SSDPC series 304 Stainless Steel drop pipe couplings.
***If coupling is used outside of intended water well application, with temperatures exceeding the specified temperture range, the temperature correction must be applied as per the chart below.

Temperature Correction Factor to PVC

As temperature increases, working pressure decreases. The optimal working pressure for PVC is 150 PSI @ 73°F (22°C). If the temperature increases above 73°F (22°C), use the PVC correction factor to determine working pressure. Multiply the maximum working pressure by the correction factor.

Temperature	73°F (22°C)	90°F (32°C)	100°F (38°C)	110°F (44°C)	120°F (49°C)	130°F (54°C)	140°F (60°C)
PVC Correction Factor	1.00	0.75	0.62	0.51	0.40	0.31	0.22

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PVC DROP PIPE COUPLING INSTALLATION INSTRUCTIONS:

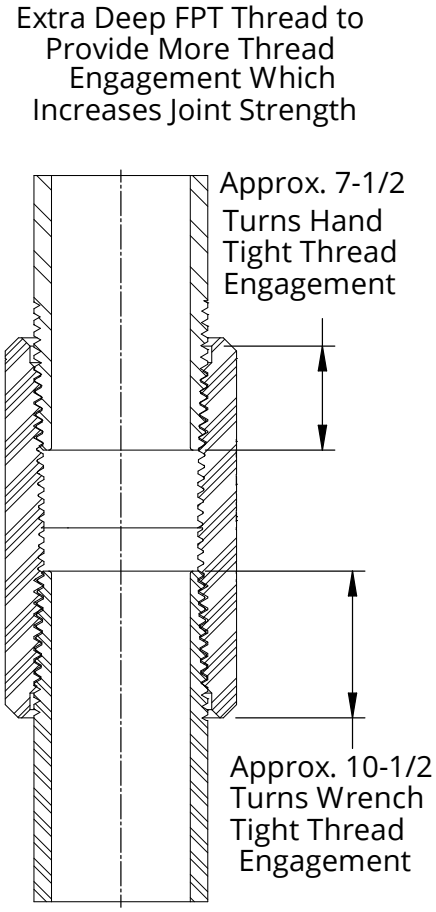
When installing Boshart PVC Drop Pipe Couplings, the use of PVC compatible thread sealant compound is recommended. (Do not use petroleum based pipe thread sealants.) Care must be taken not to overtighten the joint, the use of PTFE tape is not recommended when making connections in FPT threaded fittings. The use of PTFE tape adds bulk which increases the risk of stress cracking the fitting.

Installation Steps:

- Check the threads to ensure they are clean and free of foreign debris.
- Apply thread sealant compound.
- Hand tighten.
- Wrench tighten an additional 1 to 2-1/2 turns.

It is recommended to use a strap wrench to avoid damage to the PVC coupling and drop pipe. Pipe wrenches, pliers or other hand tools may indent or scratch the pipe, compromising the integrity of the fitting and pipe.

CAUTION: It is the sole responsibility of the system designer or end user to ensure that installation does not exceed pipe manufacturer's weight holding capacity and / or pressure ratings, depth of pump set rating, or the recommended joint strength rating.



For more information on installation, adjustment, repair & operation, visit Boshart Knowledge Base at

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