

28-SSDPC SERIES - 304 STAINLESS STEEL DROP PIPE COUPLING

APPLICATIONS:

- Designed for Sch 80 & Sch 120 PVC, and Sch 40 & Sch 80 Stainless Steel and Carbon Steel drop pipes in submersible pump installations.
- When installing to stainless steel pipe, use both PTFE (Polytetrafluoroethylene) tape and thread sealing compound that is specifically designed for stainless steel connections to prevent galling.

SPECIFICATION:

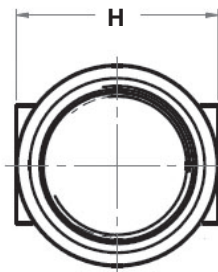
- Materials conform to ASTM A351.
- Extra deep NPT threading for increased thread engagement / load bearing capacity (Based on ANSI/ ASME B1.20.1).
- 45° inside chamfer at both ends for trouble-free starting of threads.
- Wrench flats on each side for easier installation.

CERTIFICATION:

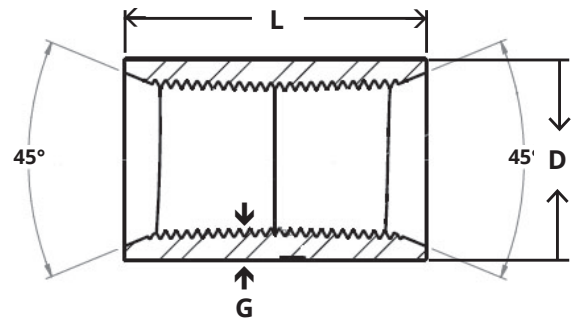
- NSF/ANSI Standard 61 Certified (Drinking Water System Components - Health Effects)
- NSF/ANSI Standard 372 Certified (Drinking Water System Components - Lead Content) (Stainless Steel alloys do not contain any lead 0.00% Pb)



| MATERIAL LIST - 304 Stainless Steel | |
|-------------------------------------|------------------------|
| Name | Percent of Composition |
| Iron (FE) | 64.0 - 72.0 |
| Carbon (C) | 0.08 max |
| Silicon (Si) | 2.00 max |
| Manganese (Mn) | 1.50 max |
| Phosphorus (P) | 0.04 max |
| Sulfur (S) | 0.04 max |
| Chromium (Cr) | 18.0 - 21.0 |
| Nickel (Ni) | 8.0 - 11.0 |
| Molybdenum (Mo) | 0.05 max |



| PRESSURE & TEMPERATURE RATING | |
|-------------------------------|-----------------|
| Temperature °F (°C) | Class 150, PSIG |
| -20 to 150 (-29 to 66) | 300 |
| 200 (93) | 265 |
| 250 (121) | 225 |
| 300 (149) | 185 |
| 350 (177) | 150 |



Max Weight Holding Capacity:

*Based on submersible pump & pump cable not exceeding 400lbs.

| DIMENSIONS | | | | | | | | | | | | | |
|-------------|--------|------------------------------|--------------------|------|-------|------|-------|------|-------|------|------|--------|-------|
| Part No. | Size | Max Weight Holding Capacity* | Max Pump Set Depth | H | | D | | L | | G | | Weight | |
| | FPT | lbs | Feet | in | mm | in | mm | in | mm | in | mm | lb | grams |
| 28-SSDPC-10 | 1" | 3130 | 1300 | 1.66 | 42.16 | 1.66 | 42.16 | 2.50 | 63.50 | 0.19 | 4.98 | 0.705 | 320 |
| 28-SSDPC-12 | 1-1/4" | 4187 | 1306 | 2.00 | 50.80 | 2.00 | 50.80 | 2.50 | 63.50 | 0.20 | 5.08 | 0.816 | 370 |
| 28-SSDPC-15 | 1-1/2" | 4929 | 1258 | 2.29 | 58.04 | 2.29 | 58.04 | 2.50 | 63.50 | 0.22 | 5.59 | 1.036 | 470 |
| 28-SSDPC-20 | 2" | 5400 | 1000 | 2.75 | 69.85 | 2.75 | 69.85 | 2.50 | 63.50 | 0.21 | 5.41 | 1.213 | 550 |

Disclaimer: The weight rating only applies to the 28-SSDPC-xx. All tensile testing results consistently conclude in joint failure due to the elongation of the male threads on the drop/riser pipe. It is therefore recommended that the installer acquire the male pipe thread load capacity data of the drop/riser pipe from the pipe manufacturer. The loads must not exceed either the coupling or drop/riser pipe load capacity. The maximum load bearing weight of the pipe will vary significantly depending on the pipe material. This data is only a guide. The final responsibility for the design of the well lies with the well designer/installer.

BOSHART
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For more information on installation, adjustment, repair & operation, visit Boshart Knowledge Base at SUPPORT.BOSHART.COM



INSTALLATION INSTRUCTIONS:

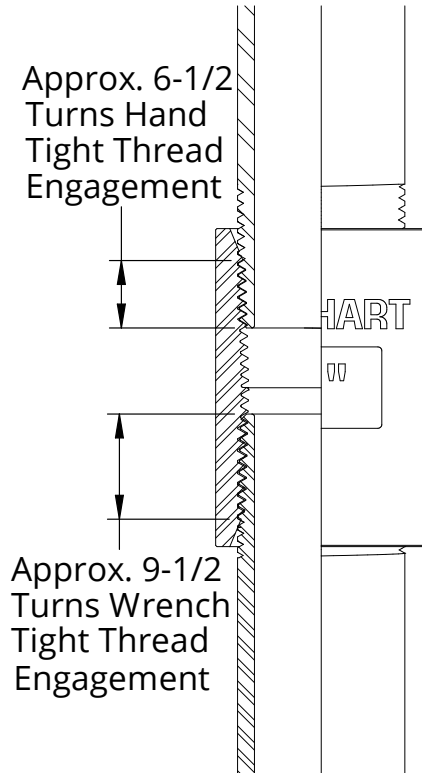
When installing Boshart's SS Drop Pipe Couplings to stainless steel pipe, the use of both PTFE tape and a thread sealing compound that is specifically designed for stainless steel connections is recommended to prevent thread galling. (Do not use petroleum based pipe thread sealants.) Care must be taken not to overtighten the joint. PTFE tape can be used on male threads before the application of thread sealant compound when making connections with FPT threaded fittings.

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.

Installation Steps:

- Check the pipe and coupling threads to ensure they are clean and free of foreign debris.
- Apply PTFE tape or a quality thread sealing compound to male threads (for stainless steel to stainless steel joints it is recommended to use both).
- Hand tighten.
- Further tighten using a 12" (minimum) long pipe wrench until joint is secure. (Approximately an additional 1 to 2-1/2 turns. Consult the Boshart NPT Thread Tightening Guide for additional information).

Extra Deep FPT Thread
to Provide More
Thread Engagement
Which Increases Joint
Strength



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