

Dura 436-010

Dura 436-010 1-inch SCH40 PVC Male Adapter Instruction Manual

INTRODUCTION

This manual provides essential instructions for the proper installation, use, and maintenance of the Dura 436-010 1-inch SCH40 PVC Male Adapter. Please read this manual thoroughly before installation to ensure safe and effective operation.

PRODUCT OVERVIEW

The Dura 436-010 is a 1-inch Schedule 40 (SCH40) PVC male adapter designed for connecting PVC pipes. It features a slip (socket) end for solvent welding to a 1-inch PVC pipe and a male threaded end for connection to a female threaded fitting or component. This adapter is suitable for various non-pressure and pressure applications where PVC is appropriate, such as irrigation, pool, and spa systems.



Figure 1: Dura 436-010 1-inch SCH40 PVC Male Adapter. This image displays the white PVC male adapter with its slip (socket) end and male threaded end, including visible product markings.

SETUP AND INSTALLATION

- Preparation:** Ensure all connecting PVC pipes and fittings are clean, dry, and free from burrs or debris. Cut the PVC pipe squarely.
- Dry Fit:** Temporarily assemble the adapter and pipe without cement to ensure a proper fit. The pipe

should fit snugly into the slip end of the adapter.

3. **Apply Primer:** Apply a liberal coat of PVC primer to the outside of the pipe end and the inside of the adapter's slip socket. Allow the primer to soften the PVC surface for a few seconds.
4. **Apply Cement:** Immediately after priming, apply an even, generous coat of PVC solvent cement to the primed pipe end and a thinner coat to the primed inside of the adapter's slip socket.
5. **Join Components:** Quickly insert the pipe into the adapter's slip socket with a quarter-turn twist until the pipe bottoms out. Hold the connection firmly for at least 30 seconds to allow the cement to set and prevent the pipe from pushing out.
6. **Curing Time:** Allow adequate curing time before pressurizing the system. Refer to the PVC cement manufacturer's instructions for specific curing times, which vary based on temperature and pipe size.
7. **Threaded Connection:** For the male threaded end, apply PTFE thread sealant tape or pipe dope to the threads before screwing into a female threaded fitting. Hand-tighten, then use a wrench for an additional 1 to 2 turns, being careful not to overtighten, which can crack PVC.

Important: Always follow the specific instructions provided by the PVC primer and cement manufacturers for best results and safety.

OPERATING CONSIDERATIONS

Once properly installed and cured, the Dura 436-010 adapter functions as a permanent connection point within your PVC piping system. It is designed to maintain flow and pressure within the specified limits for SCH40 PVC. Ensure that the system's operating pressure and temperature do not exceed the ratings for SCH40 PVC and the solvent cement used.

MAINTENANCE

PVC fittings generally require minimal maintenance. Periodically inspect all connections for signs of leaks, cracks, or damage. If any issues are detected, the affected section should be repaired or replaced promptly. Avoid exposing PVC to harsh chemicals or extreme temperatures that are outside its recommended operating range, as this can degrade the material over time.

TROUBLESHOOTING

- **Leaks at Slip Joint:**

Cause: Insufficient primer/cement, improper curing, or poor pipe fit.

Solution: The joint must be cut out and re-cemented following proper procedures. Ensure adequate curing time.

- **Leaks at Threaded Joint:**

Cause: Insufficient thread sealant, overtightening, or undertightening.

Solution: Disassemble the threaded joint, clean threads, reapply PTFE tape or pipe dope, and re-tighten appropriately. Do not overtighten PVC threaded connections.

- **Cracked Fitting:**

Cause: Overtightening threaded connections, external impact, or exposure to incompatible chemicals.

Solution: A cracked fitting cannot be repaired and must be replaced. Ensure proper installation techniques to prevent future cracking.

SPECIFICATIONS

Brand	Dura
Model Number	436-010
Nominal Size	1 inch
Material	PVC (Polyvinyl Chloride)
Schedule	SCH40
Connector Type	Male Adapter (Slip x MPT)
UPC	758614157893
Package Dimensions	6 x 6 x 6 inches

WARRANTY AND SUPPORT

For specific warranty information regarding the Dura 436-010 PVC Male Adapter, please refer to the documentation provided at the point of purchase or contact Dura directly. For technical support or inquiries, please reach out to your retailer or the manufacturer's customer service department.