

# Boiler Tube Trainer (2-9/16" Tube)



Model: 240-000

DAC Worldwide's Boiler Tube Trainer (240-000) is a heavy-duty fixture for convenient classroom or laboratory training in the removal and installation of tubes in industrial fire tube boilers. Based on the geometry and materials of a common Scotch marine boiler, this device allows for repeated practice in the maintenance of tubes without jeopardizing actual equipment, or consuming unnecessary floor space.

Using this trainer, learners will explore how boiler tubes are used for training in various sectors, including the design, application, control, and maintenance of common industrial boiler tubes. The trainer covers industry-relevant skills, such as operating, maintaining, and troubleshooting these industrial learning aids in a variety of applications.

This boiler tube training system includes a variety of industrial components, including tubesheets, stay rods, a sheet metal cowling, and more. Learners will use these components to study topics such as boiler tube principles, maintenance, operation, and troubleshooting. This system utilizes industry-grade components, providing durability to stand up to frequent use, and to aide learners in becoming better prepared for the tasks they will encounter on the job.

## **Practice Hands-On Heat Transfer Skills for Various Applications**

The Boiler Tube Trainer features steel construction throughout, including heavy-duty support frames with removable legs, and provisions for floor mounting. Two  $\frac{3}{4}$ " tubesheets with twenty-six (26) penetrations on a 45-degree pitch of 3.54", and a longitudinal interval of 5" (SA 516-70 plate) are included, with a removable sheet metal cowling to hamper access to area between tubesheets.

Through a variety of realistic features, this device allows for realistic training in good maintenance practice prior to performing work in the field, without jeopardizing actual equipment.

## Expand Training with Additional Heat Transfer Options

The Boiler Tube Trainer is only one of DAC Worldwide's expansive mechanical trainers, which also includes a [Heat Exchanger Trainer \(238-000\)](#), a [Rotary Kiln Maintenance Training System \(241-000\)](#), and many more!

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### **FEATURES & SPECIFICATIONS**

- Heavy-duty steel construction throughout
- Heavy-duty support frame with removable legs and provision for floor mounting
- Two (2) 3/4" tubesheets with (26) 2-9/16" penetrations on a 45 degree diagonal pitch of 3.54" and longitudinal interval of 5" (SA 516-70 plate)
- Removable sheet metal cowl to hamper access to area between tubesheets
- Representative stay rods
- Crated for shipment via motor freight

**PRODUCT DIMENSIONS DISCLAIMER:** *Product Dimensions are approximate. Shipping Dimensions and Weights are for directional use only and may change based on manufacturer variables. For the most accurate Shipping Dimensions and Weights, please contact the manufacturer.*

- **Product Dimensions**  
(L x W x H)  
24in. x 35in. x 55in. (600 x 890 x 1400 mm)  
300lbs. (136kg)
- **Shipping Dimensions**  
390lbs. (177kg)

### **OPTIONS**

- #240-010 - Heavy-Duty Drill Chuck with Morse Taper
- #240-013 - Beading Expander, Combination
- #240-016 - Pneumatic Hammer
- #240-017 - Pneumatic Hammer Accessories, including "Side Cutter", "Pushing Tool", and "Beading Tool"
- #240-018 - Heavy-duty disk/angle grinder
- #240-019 - Replacement disks for angle grinder (package of 6)
- #520-000 - IPT Metal Trades Training Manual
- #520-001 - IPT Metal Trades Handbook

### **ACCESSORIES**

- Twenty-eight (28) 2.5" diameter, SA-178 ERW (annealed) tubes
- Four (4) 1/16in. wall and four, 1/32in. wall copper furrells (shims to correct for holes that may be "over-enlarged")
- Twelve (12) "boiler nails" (wedges acting as anti-rotational devices at the end opposite that being beaded)
- Four (4) floor anchors
- Metal Trades Training Manual, with section on tube installation/Rolling (IPT)

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