

## PRODUCTS

**1-800-394-0016**

# EXPANTEK®

## ExpanTek® Model 35 Series Tube Expansion Tools Pressures Up to 15,000 psi (1,034 bar)

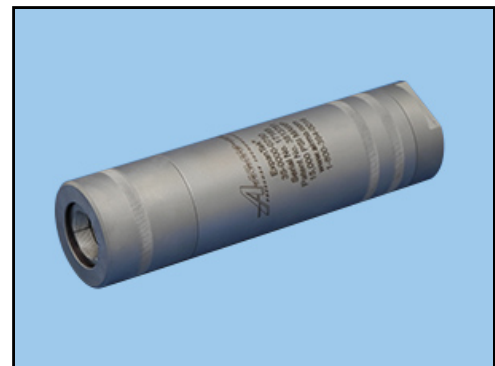
The patented ExpanTek® Model 35 Series Tube Expansion Tool is a precision-machined tool providing versatility for use in hydro-expansion applications. The tool is designed for high-pressure expansion of tubing or pipe. Using this unique tool along with a high-pressure power source, such as the [ExpanTek® Model HPS Hydrostatic Pressure System](#), will rapidly expand tubing for boiler coils, refrigeration coils, and tubular assemblies.

The Model 35 Series Tool is a snap-on coupling suitable for hydro-expansion of tubes with standard OD tolerances and maximum working pressure up to 15,000 psi (1,034 bar).









To hydro-expand a tube, attach the Model 35 Series Tool with optional [NuQuip® Automatic Air Bleed Valves](#) to one end of the tube. Adapt the second Model 35 Series Tool to a pressure service line and slip it over the remaining end. Press both tools firmly against the internal stop. When the service line is pressurized to 50 psi (3.45 bar), the collets are activated for a positive grip. Continue to pressurize the tube until expansion pressure is reached. Use caution not to exceed the maximum pressure rating of the tool. After the tube is expanded and the service line pressure drops to 0 psi/bar, the collets automatically release; allowing quick removal of the tools from the work piece.




The Model 35 Series Tool can handle standard and metric tube and fitting sizes from 0.24 in. to 1.00 in. OD (6.0 mm to 25.4 mm OD) in diameter.

Contact [Airmo](#) for special tool sizes and configurations.



### Product Features

	Specifications	Description
	<b>Maximum Pressure:</b>	Working pressures up to 15,000 psi (1,034 bar)
	<b>Tube OD Range:</b>	0.24 in. to 1.00 in. OD (6.0 mm to 25.4 mm OD)
	<b>Temperature:</b>	32° F to 120° F (0° C to 49° C)
	<b>Services:</b>	Water, oil, and other liquids on request
	<b>Collet Grip:</b>	On tube OD
	<b>Automatic Collet Actuation:</b>	Fast tool removal
	<b>Special Collet Locking Design Principle:</b>	Accommodates shorter length tubes
	<b>Predetermined Internal Tube Stop:</b>	Requires no measuring
	<b>Compact Balanced Design:</b>	Reduces operator fatigue

	<b>Use with NuQuip® Automatic Air Bleed Valves:</b>	Eliminates operator attendance during fill cycle
	<b>Construction:</b>	Precision-machined, heat-treated stainless steel
	<b>Custom Options:</b>	Custom options considered



[ExpanTek® Model 35 Series Tube Expansion Tools.pdf](#)



[ExpanTek® Product Line Card.pdf](#)

## Applications

The ExpanTek® Model 35 Series Tool is used in many coil and tube expansion applications.

### Model 35 Tool Applications

Boiler coil expansion

Refrigeration coil expansion

Tubular assemblies

## ExpanTek® Tube Expansion Tools

ExpanTek® Model 30 Series Tube Expansion Tools - Pressures up to 10,000 psi (689 bar)

ExpanTek® Model 37 Series Tube Expansion Tools - Pressures up to 20,000 psi (1,379 bar)

ExpanTek® Model 280 Series Tube Expansion Tools - Pressures up to 20,000 psi (1,379 bar)

## NuQuip® High-Pressure Accessories

NuQuip® Automatic Air Bleed Valves - Pressures up to 40,000 psi (2,758 bar)

NuQuip® Model QD Series Quick Disconnects - Pressures up to 60,000 psi (4,137 bar)

## ExpanTek® Hydrostatic Pressure Systems

ExpanTek® Model HPS Hydrostatic Pressure Systems - Pressures up to 30,000 psi (2,068 bar)

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