

Airetool®

Product Catalog

Condenser & Boiler Expanders

Rolling Controls

Pipe & Tube Cleaners

Installation & Removal Tools



Equipment Group International



FTE Series Firetube Boiler Tube Expanders

Airetool product engineers have designed an economical, yet durable Firetube boiler tube expander for non-flaring (FTE) applications with 3/8" to 1" thick tube sheets. This unique design increases the expansion range for a given expander and includes a metal roll retainer that keeps the rolls in the expander's cage when the mandrel is removed. Mandrels are sold separately with choices based on application and space limitations.

Available for 2", 2-1/2" and 3" O.D. Tubes with 10-14 gauge tube walls. The FTE Series are excellent tube expanders for expanding air heater tubes in power utility boilers.

- Flip collar accommodates different tube sheet thicknesses.
- 3-roll design expands and seals tubes in round or oval tube sheet holes.
- Increased expansion range means less inventory and lower operating costs.
- Ball bearing thrust collar allows torque controlled tube rolling.
- Short mandrels for use in limited space applications.



FTE Series Expanders

Expander		Tube Size			Expansion Range w/ Drum Mandrel		Drum Mandrel		Mandrel Square		Mandrel Length	
Model No.	Order No.	in.	mm	Gauge	in.	mm	Model No.	Order No.	in.	mm	in.	mm
FTE 200	5523811	2	50.8	10-14	1.656 - 1.940	42.1 - 49.2	FTE-200-M	2997688	3/4	19.0	11.75	298.5
FTE 250	5523812	2-1/2	63.5	10-14	2.125 - 2.440	53.9 - 61.9	FTE-250-M	2997689	1	25.4	12.13	308.0
FTE 300	5523813	3	76.2	10-14	2.565 - 2.940	65.0 - 74.6	FTE-300-M	2997690	1	25.4	13.13	333.4

Short Mandrels for FTE Expanders

Expander		Expansion Range w/ Drum Mandrel	
Model No.	Order No.	in.	mm
FTE 200 SM1	2997994	1.656 - 1.780	42.1 - 45.2
FTE 200 SM2	2997995	1.730 - 1.854	44.0 - 47.1
FTE 200 SM3	2997996	1.820 - 1.940	46.3 - 49.2
FTE 250 SM1	2997997	2.125 - 2.265	53.9 - 57.5
FTE 250 SM2	2997998	2.205 - 2.353	56.0 - 59.7
FTE 250 SM3	2997999	2.290 - 2.440	58.2 - 62.0
FTE 300 SM1	2998000	2.565 - 2.730	65.1 - 69.3
FTE 300 SM2	2998001	2.660 - 2.835	67.6 - 72.0
FTE 300 SM3	2998002	2.770 - 2.940	70.3 - 74.6

FTE Replacement Roll Sets

Expander		Tube Size	
Model No.	Order No.	in.	mm
FTE-200-RS	5524570	2	50.8
FTE-250-RS	5524571	2-1/2	63.5
FTE-300-RS	5524572	3	76.2