

# BOILER TUBE EXPANDER



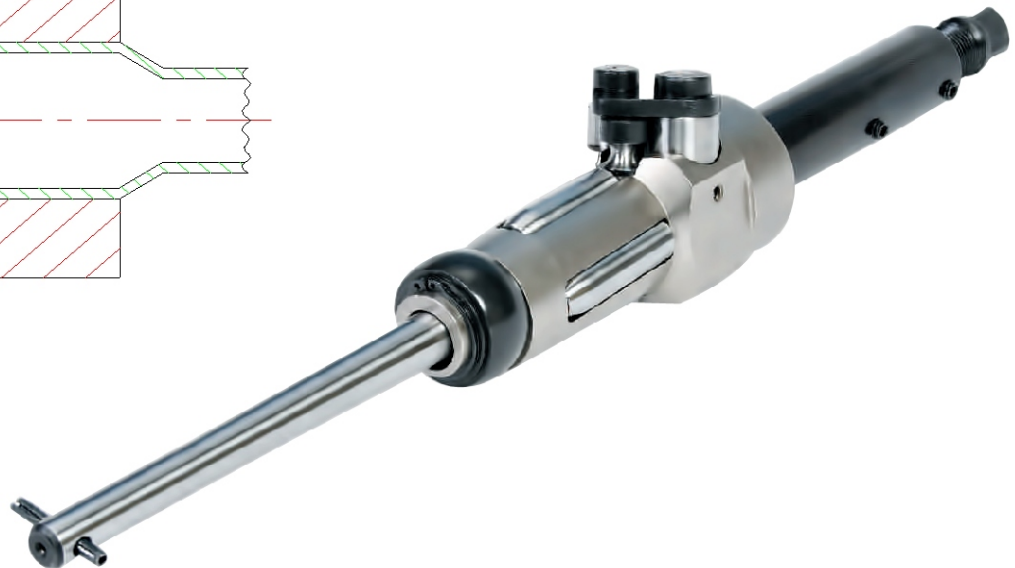
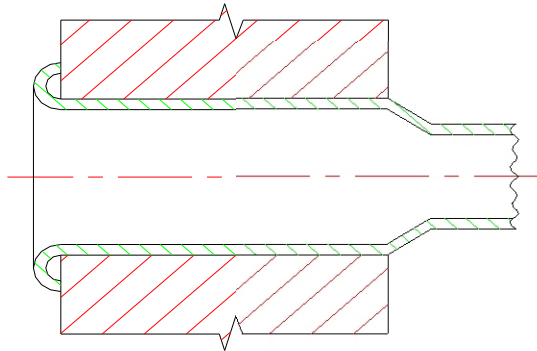
**TUBE TOOLS**

## COMBINATION BEADING EXPANDER TUBE EXPANDING AND BEADING IN SINGLE OPERATION

Tube O. D.  
2" - 3"

### FEATURES:

- Expansion & beading takes place in single operation.
- Air hammering not required. Therefore operator fatigue reduces.
- Time saving.



PREVIOUSLY		NOW	
Tools Required	1 ] Flaring tube expander 2 ] Tube expander drive 3 ] Beading tool 4 ] Air hammer	1 ] COMBINATION BEADING EXPANDER 2 ] Tube expander drive	
Operating Steps	1 ] Expand 2 ] Bead 3 ] Reroll	1 ] Expand and Bead [ single operation ]	
Operator Fatigue	high... due largely to air hammer vibration and noise	minimal .... no air hammer for beading .... no rerolling	
Manhours		Reduced by 20%	

TUBE SIZE			EXPANSION RANGE		MODEL NO.	MANDREL NO.	SPARE ROLLER SET	BEADING ROLL	GUIDE ROLL ASSEMBLY
O.D. Inch	THK. GA	THK. inch	mm	inch					
2	10	(.134)	43.2 - 47.6	(1.700 - 1.875)	B41633-0010	B41615	B41670	B41631-0010	B41701-0010
	11	(.120)			B41633-0011			B41631-0011	B41701-0011
	12	(.109)			B41633-0012			B41631-0012	B41701-0012
	13	(.095)			B41633-0013			B41631-0013	B4101-0013
2.1/2	10	(.134)	55.9 - 60.3	(2.200 - 2.400)	B41634-0010	B41635	B41673	B41651-0010	B41702-0010
	11	(.120)			B41634-0011			B41651-0011	B41702-0011
	12	(.109)			B41634-0012			B41651-0012	B41702-0012
	13	(.095)			B41634-0013			B41651-0013	B41702-0013
3	10	(.134)	68.6 - 73.7	(2.700 - 2.900)	B41359-0010	B41653	B41676	B41666-0010	B41703-0010
	11	(.120)			B41359-0011			B41666-0011	B41703-0011
	12	(.109)			B41359-0012			B41666-0012	B41703-0012