

## Universal Combination Roller Beading

This tool is designed primarily for the fabrication and maintenance of Fire Tube Boilers with Tubes of 2"-3" OD. This self feeding, straight roll tool, is capable of simultaneously expanding and forming a uniform bead tight upon the tube sheet. For the best results we recommend a tube projection of 3/16" (5 mm).



TUBE OD		TUBE GAUGE	TOOL NO.	EXPANSION RANGE				ROLLS	BEADING ROLLS	FRONT PILOT	MANDREL	MANDREL SQUARE	
[INCH]	[MM]	[BWG]		[INCH]		[MM]						[INCH]	[MM]
				MIN	MAX	MIN	MAX						
2"	50,8	10	<b>41633-00</b>	1,700	1,907	43,2	48,4	<b>R-42811</b>	<b>BR-41631-10</b>	<b>P-41701-10</b>	<b>M-42157</b>	3/4"	19
		11	<b>41633-00</b>	1,700	1,907	43,2	48,4	<b>R-42811</b>	<b>BR-41631-11</b>	<b>P-41701-11</b>	<b>M-42157</b>	3/4"	19
		12	<b>41633-00</b>	1,700	1,907	43,2	48,4	<b>R-42811</b>	<b>BR-41631-12</b>	<b>P-41701-12</b>	<b>M-42157</b>	3/4"	19
		13	<b>41633-00</b>	1,700	1,907	43,2	48,4	<b>R-42811</b>	<b>BR-41631-13</b>	<b>P-41701-13</b>	<b>M-42157</b>	3/4"	19
2-1/2"	63,5	10	<b>41634-00</b>	2,200	2,460	55,9	62,6	<b>R-41673</b>	<b>BR-41651-10</b>	<b>P-41702-10</b>	<b>M-42158</b>	3/4"	19
		11	<b>41634-00</b>	2,200	2,460	55,9	62,6	<b>R-41673</b>	<b>BR-41651-11</b>	<b>P-41702-11</b>	<b>M-42158</b>	3/4"	19
		12	<b>41634-00</b>	2,200	2,460	55,9	62,6	<b>R-41673</b>	<b>BR-41651-12</b>	<b>P-41702-12</b>	<b>M-42158</b>	3/4"	19
		13	<b>41634-00</b>	2,200	2,460	55,9	62,6	<b>R-41673</b>	<b>BR-41651-13</b>	<b>P-41702-13</b>	<b>M-42158</b>	3/4"	19
3"	76,2	10	<b>41359-00</b>	2,700	2,890	68,6	75,7	<b>R-41676</b>	<b>BR-41666-10</b>	<b>P-41703-10</b>	<b>M-42159</b>	1"	25,4
		11	<b>41359-00</b>	2,700	2,890	68,6	75,7	<b>R-41676</b>	<b>BR-41666-11</b>	<b>P-41703-11</b>	<b>M-42159</b>	1"	25,4
		12	<b>41359-00</b>	2,700	2,890	68,6	75,7	<b>R-41676</b>	<b>BR-41666-12</b>	<b>P-41703-12</b>	<b>M-42159</b>	1"	25,4