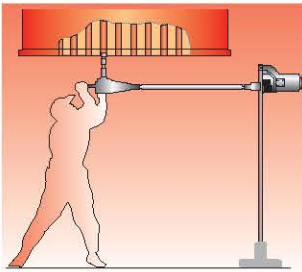


# 'T - 3000' Series [Parallel] Boiler Tube Expander

## 3 Plain Rollers

- More durable components
- Extended service life
- In built thrust bearing
- Heavy duty application

Tristar offers solutions to overcome any installation problem.



Our drive systems are designed to overcome any challenge posed by installation areas at any site

TUBE SIZE				Min I.D. Tool Enters		Max Expansion of Tool		TUBE EXPANDER MODEL	
								Tube Sheet Thickness Range	
O.D inch	THK bwg	O.D. inch	THK bwg	mm	inch	mm	inch	1.1/2" to 4.3/8"	1.1/2" to 5.3/8"
				Tube Sheet Thickness Codes>				7	11
1.1/4	16			28.1	1.105	33.0	1.299	T3111/7	
1.1/2	10 - 12			31.0	1.221	35.0	1.378	T3118/7	
	13 - 16			33.0	1.300	38.0	1.496	T3126/7	
1.3/4	8 - 9	2	3	35.0	1.379	40.0	1.575	T3134/7	T3134/11
	10 - 12	2	4 - 5	37.0	1.457	42.5	1.673	T3142/7	T3142/11
	13 - 16	2	6	39.0	1.536	44.5	1.752	T3150/7	T3150/11
2	7 - 9	2.1/4	3	41.0	1.615	47.0	1.850	T3158/7	T3158/11
	10 - 12	2.1/4	4 - 5	43.0	1.694	49.0	1.929	T3166/7	T3166/11
	13 - 16	2.1/4	6	45.0	1.772	51.5	2.027	T3174/7	T3174/11
	16	2.1/2	3	47.0	1.851	54.0	2.126	T3181/7	T3181/11
2.1/4	10 - 13	2.1/2	4 - 5	49.0	1.930	56.0	2.205	T3189/7	T3189/11
	14 - 16	2.1/2	6	51.0	2.009	60.0	2.362	T3197/7	T3197/11
2.1/2	7 - 10			53.0	2.087	62.0	2.441	T3205/7	T3205/11
	11 - 13	3	2	55.0	2.116	64.0	2.520	T3213/7	T3213/11
	14 - 16			57.0	2.245	66.0	2.598	T3221/7	T3221/11
2.3/4	7 - 9			59.0	2.323	68.0	2.677	T3229/7	T3229/11
	10 - 12			61.0	2.402	70.0	2.756	T3237/7	T3237/11
	13 - 16			63.0	2.481	72.0	2.835	T3244/7	T3244/11

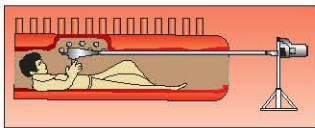


# 'T - 3000' Series [Parallel] Boiler Tube Expander

## 3 Plain Rollers

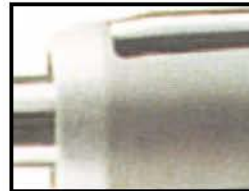
- More durable components
- Extended service life
- In built thrust bearing
- Heavy duty application

Tristar offers solutions to overcome any installation problem.



Typical example of solution oriented approach

TUBE SIZE				Min I.D. Tool  Enters mm    inch	Max Expansion of  Tool mm    inch	TUBE EXPANDER MODEL			
O.D. inch	THK bwg	O.D. inch	THK bwg			Tube Sheet Thickness Range			
						1.1/2" to 4.3/8"	1.1/2" to 5.3/8"		
				<b>Tube Sheet Thickness Codes&gt;</b>		<b>7</b>	<b>11</b>		
<b>3</b>	7 - 8			65.0	2.560	74.0	2.913	T3252/7	T3252/11
	10 - 12			67.0	2.638	76.0	2.992	T3260/7	T3260/11
	13 - 14			69.0	2.717	78.0	3.071	T3268/7	T3268/11
	15 - 16			71.0	2.796	80.0	3.150	T3276/7	T3276/11
<b>3.1/4</b>	7 - 11			73.0	2.874	82.0	3.228	T3284/7	T3284/11
	12 - 14			75.0	2.953	84.0	3.307	T3292/7	T3292/11
	15 - 16	3.1/2	7 - 9	77.0	3.032	86.0	3.386	T3300/7	T3300/11
<b>3.1/2</b>	10 - 12			79.0	3.111	88.0	3.465	T3308/7	T3308/11
	13 - 15			81.0	3.190	92.0	3.622	T3315/7	T3315/11
	16	3.3/4	7 - 8	83.0	3.218	94.0	3.701	T3323/7	T3323/11
<b>3.3/4</b>	9 - 12			85.0	3.347	96.0	3.780	T3331/7	T3331/11
	13 - 16			87.0	3.426	98.0	3.858	T3339/7	T3339/11
<b>4</b>	7 - 8			89.0	3.505	100.0	3.937	T3347/7	T3347/11
	9 - 12			91.0	3.583	102.0	4.016	T3355/7	T3355/11
	13 - 15			93.0	3.662	104.0	4.094	T3363/7	T3363/11
	16	4.1/4	7 - 8	95.0	3.741	106.0	4.173	T3370/7	T3370/11
<b>4.1/4</b>	9 - 11			97.0	3.820	108.0	4.252	T3378/7	T3378/11
	12 - 16			99.0	3.898	110.0	4.331	T3386/7	T3386/11
<b>4.1/2</b>	7 - 14			101.0	3.997	111.0	4.407	T3394/7	T3394/11



SPARE ROLLERS SET MODEL			SPARE MANDREL MODEL	
Tube Sheet Thickness Range			Short Series Mandrel	SQ
1/2 to 4.3/8	1.1/2 to 5.3/8	Drum Type		
7	11			
2527-RS	25211-RS	TM-268	TMS-10, 11, 12, 13, 14	1"
2607-RS	26011-RS			
2687-RS	26811-RS			
2767-RS	27611-RS	TM-300	TMS-12, 13, 14, 15, 16	
2847-RS	28411-RS			
2927-RS	29211-RS			
3157-RS	31511-RS			
2847-RS	28411-RS	TM-347	TMS-15, 16, 17, 18, 19	
3157-RS	31511-RS		TMS-14, 15, 16, 17, 18, 19	
3237-RS	32311-RS			
3317-RS	33111-RS			
3557-RS	35511-RS			
3637-RS	36311-RS			
3557-RS	35511-RS	TM-394	TMS-17, 18, 19, 20, 21	
3637-RS	36311-RS			
3707-RS	37011-RS			
3787-RS	37811-RS			
3867-RS	38611-RS			
3947-RS	39411-RS			

**Note:** 3000 Series Expander can also be supplied with 3" shorter mandrel for easy accessibility to limited access areas and is nomenclatured as **3000B Series**

