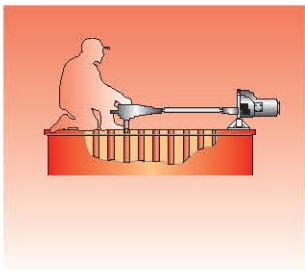


'T-114' Series [Flare] Boiler Tube Expanders

4 Plain Rollers
2 Flare Rollers

- Multi purpose expander
- Popular choice for expanding and flaring
 - Boiler tubes
 - Water wall
 - Economizer
 - Riser and air heater tubes

Tristar offers solutions to overcome any installation problem.



One of our drive systems helps overcome a problem caused by a difficult access...

- Reduces operator fatigue
- Ensures operator safety
- Increases productivity
- Maintains consistent accuracy

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	1/2" to 7/8"	3/4" to 1.1/8"	1.1/8" to 1.5/8"	1.5/8" to 2.1/8"	2.1/8" to 2.5/8"
Tube Sheet Thickness Codes >								2	3	4	5	6
2	4 - 5	1.3/4	11 - 13	36.1	1.421	43.1	1.696	-	T14172	T14174	T14176	T14178
	6 - 7	1.3/4	14 - 16	37.6	1.480	44.6	1.755	-	T14182	T14184	T14186	T14188
	7 - 8			39.2	1.543	46.4	1.826	T14191	T14192	T14194	T14196	T14198
	9 - 10	2.1/4	13	40.8	1.606	48.0	1.889	T14201	T14202	T14204	T14206	T14208
	11-13	2.1/4	4 - 5	42.4	1.669	49.6	1.952	T14211	T14212	T14214	T14216	T14218
2. 1/2	2	2.1/4	6 - 8	45.2	1.779	52.6	2.070	-	T14222	T14224	T14226	T14228
	3 - 4	2.1/4	9 - 11	46.8	1.842	54.2	2.133	-	T14232	T14234	T14236	T14238
	4 - 6	2.1/4	12 - 15	48.4	1.905	57.3	2.255	-	T14242	T14244	T14246	T14248
	7 - 10	2.3/4	2 - 3	51.5	2.027	60.5	2.381	-	T14252	T14254	T14256	T14258
	11 - 13	2.3/4	4 - 5	54.7	2.153	63.7	2.507	T14261	T14262	T14264	T14266	T14268
3	1 - 3	2.3/4	6 - 10	57.1	2.248	66.6	2.622	-	T14272	T14274	T14276	T14278
	4 - 6	2.3/4	11 - 15	60.3	2.374	70.0	2.755	-	T14282	T14284	T14286	T14288
	7 - 11	3.1/4	1 - 4	63.5	2.500	73.9	2.909	-	T14292	T14294	T14296	T14298
	10 - 12	3.1/4	4 - 7	66.6	2.622	77.3	3.043	T14301	T14302	T14304	T14306	T14308
3. 1/2	1 - 4	3.1/4	7 - 11	69.8	2.748	80.1	3.153	-	T14312	T14314	T14316	T14318
	4 - 7	3.1/4	10 - 15	73.0	2.874	83.4	3.283	-	T14322	T14324	T14326	T14328
	7 - 11	3.3/4	2 - 3	76.2	3.000	86.8	3.417	-	T14332	T14334	T14336	T14338
	10 - 12	3.3/4	4 - 5	79.3	3.122	89.8	3.535	-	T14342	T14344	T14346	T14348
4	1 - 4	3.3/4	6 - 10	82.5	3.248	93.0	3.661	-	T14352	T14354	T14356	T14358
	4 - 7	3.3/4	11 - 15	85.7	3.374	96.0	3.779	-	T14362	T14364	T14366	T14368
	7 - 11	4.1/4	2 - 3	88.9	3.500	98.6	3.881	-	T14372	T14374	T14376	T14378
	8 - 12	4.1/4	3 - 5	90.5	3.562	102.3	4.027	-	T14382	T14384	T14386	T14388
4.1/2	1 - 4	4.1/4	6 - 9	95.2	3.748	104.7	4.122	-	T14392	T14394	T14396	T14398
	3 - 8	4.1/4	10 - 13	98.4	3.874	110.3	4.342	-	T14402	T14404	T14406	T14408
	6 - 12			101.6	4.000	113.5	4.468	-	T14412	T14414	T14416	T14418



SPARE ROLLER SET MODEL					SPARE MANDREL MODEL				
Tube Sheet Thickness Range					Drum Type	Header Type	Short Series 5.1/8"	Short Series 7.1/8"	SQ
1/2" to 7/8"	3/4" to 1.1/8"	1.1/8" to 1.5/8"	1.5/8" to 2.1/8"	2.1/8" to 2.5/8"					
2	3	4	5	6					
-	34872	34874	34878	34948	32269	32289	32308, 9, 10, 11		3/4" SQ
-	34879	34881	34883	34949			32309, 10, 11		
34878	34879	34881	34883	34949	32270	32290	32309, 10, 11, 12		
					32271	32291	32311, 12, 13	32346	
34885	34886	34888	34890	34950	32270	32290	32310, 11, 12	32345	
-	34893	34895	34897	34951			32310, 11, 12, 13		
-					32271	32291	32311, 12, 13, 14		
-					32272	32292	32312, 13, 14, 15, 16		
-	34900	34902	34904	34952			32312, 13, 14, 15, 16	32347, 48, 49	
-					32273	32293	32315, 16, 17	33630, 31	
-	34907	34909	34911	34953			32315, 16, 17, 18, 19		
-					32274	32294	32317, 18, 19, 20, 21		
-	34914	34916	34918	34954			32318, 19, 20, 21, 22	33632, 33, 34, 35	
34913					32275	32295	32320, 21, 22	33634, 35	
-	34921	34923	34925	34955	32274	32294	32318, 19, 20, 21, 22		1" SQ
-					32275	32275	32321, 22, 23, 24, 25		
-					32276	32296	32323, 24, 25, 26, 27		
-					32277	32297	32324, 25, 26, 27, 28		
-	34928	34930	34932	34956	32276	32296	32324, 25, 26, 27, 28		
-					32277	32297	32326, 27, 28, 29, 30		
-					32278	32298	32328, 29, 30, 31, 32		
-	34935	34937	34939	34957	32277	32297	32324, 25, 26, 27, 28		
-	34935	34937	34939	34957	32278	32298	32329, 30, 31, 32, 50		
-					32279	32299	32331, 32, 50, 37, 38		
-	34942	34944	34946	34958	32278	32298	32326, 27, 28, 29, 30		

