

BOILER TUBE EXPANDER

BHARTIYA

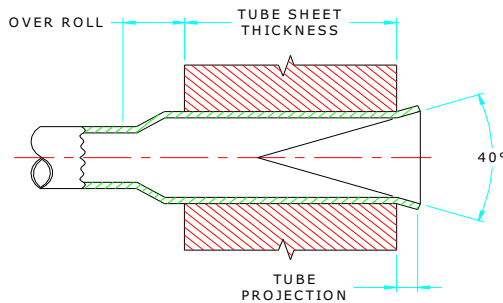
TUBE TOOLS

Tube O. D.
2"-4.1/2"

'B114' - 4 PLAIN ROLLERS & 2 FLARE ROLLERS

FEATURES:

- Overlapping rolls prevent ridging of tube.
- Can be converted for parallel expansion use enquire with us.
- Self retained rolls in cage.
- Use: General purpose expander for expanding and flaring boiler tubes, water wall, downcomer,



TUBE SIZE			TUBE SIZE			TUBE TOOL ENTERS		OF TOOL		TUBE SHEET THICKNESS RANGE				
O.D. inch	THK. GA.	THK. inch	O.D. inch	THK. GA.	THK. inch	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	(.238 & .220)	1. 3/4	11 - 13	(.120 - .095)	36.1	(1.421)	43.1	(1.696)	-	B14172	B14174	B14176	B14178
2	6 & 7	(.203 & .180)	1. 3/4	14 - 16	(.480 - .065)	37.6	(1.480)	44.6	(1.755)	-	B14182	B14184	B14186	B14188
2	7 & 8	(.180 & .165)	1.3/4	15 & 16	(.072 & .065)	39.2	(1.543)	46.4	(1.826)	B14191	B14192	B14194	B14196	B14198
2	9 & 10	(.148 & .134)	2. 1/4	3	(.259)	40.8	(1.606)	48.0	(1.889)	B14201	B14202	B14204	B14206	B14208
2	11 - 13	(.120 - .095)	2. 1/4	4 & 5	(.238 & .220)	42.4	(1.669)	49.6	(1.952)	B14211	B14212	B14214	B14216	B14218
2. 1/2	2	(.284)	2. 1/4	6 - 8	(.203 - .165)	45.2	(1.779)	52.6	(2.070)	-	B14222	B14224	B14226	B14228
2. 1/2	3 & 4	(.259 & .238)	2. 1/4	9 - 11	(.148 - .120)	46.8	(1.842)	54.2	(2.133)	-	B14232	B14234	B14236	B14238
2. 1/2	4 - 6	(.238 - .203)	2. 1/4	12 - 15	(.109 - .072)	48.4	(1.905)	57.3	(2.255)	-	B14242	B14244	B14246	B14248
2. 1/2	7 - 10	(.180 - .134)	2. 3/4	2 & 3	(.284 & .259)	51.5	(2.027)	60.5	(2.381)	-	B14252	B14254	B14256	B14258
2. 1/2	11 - 13	(.120 - .095)	2. 3/4	4 & 5	(.238 & .220)	54.7	(2.153)	63.7	(2.507)	B14261	B14262	B14264	B14266	B14268
3	1 - 3	(.300 - .259)	2. 3/4	6 - 10	(.203 - .134)	57.1	(2.248)	66.6	(2.622)	-	B14272	B14274	B14276	B14278
3	4 - 6	(.238 - .203)	2. 3/4	11 - 15	(.120 - .072)	60.3	(2.374)	70.0	(2.755)	-	B14282	B14284	B14286	B14288
3	7 - 11	(.180 - .120)	3. 1/4	1 - 4	(.300 - .238)	63.5	(2.500)	73.9	(2.909)	-	B14292	B14294	B14296	B14298
3	10 - 12	(.134 - .109)	3. 1/4	4 - 7	(.238 - .180)	66.6	(2.622)	77.3	(3.043)	B14301	B14302	B14304	B14306	B14308
3. 1/2	1 - 4	(.300 - .238)	3. 1/4	7 - 11	(.180 - .120)	69.8	(2.748)	80.1	(3.153)	-	B14312	B14314	B14316	B14318
3. 1/2	4 - 7	(.238 - .180)	3. 1/4	10 - 15	(.134 - .072)	73.0	(2.874)	83.4	(3.283)	-	B14322	B14324	B14326	B14328
3. 1/2	7 - 11	(.180 - .120)	3. 3/4	2 & 3	(.284 & .259)	76.2	(3.000)	86.8	(3.417)	-	B14332	B14334	B14336	B14338
3. 1/2	10 - 12	(.134 - .109)	3. 3/4	4 & 5	(.238 & .220)	79.3	(3.122)	89.8	(3.535)	-	B14342	B14344	B14346	B14348
4	1 - 4	(.300 - .238)	3. 3/4	6 - 10	(.203 - .134)	82.5	(3.248)	93.0	(3.661)	-	B14352	B14354	B14356	B14358
4	4 - 7	(.238 - .180)	3. 3/4	11 - 15	(.120 - .072)	85.7	(3.374)	96.0	(3.779)	-	B14362	B14364	B14366	B14368
4	7 - 11	(.180 - .120)	4. 1/4	2 & 3	(.284 & .259)	88.9	(3.500)	98.6	(3.881)	-	B14372	B14374	B14376	B14378
4	8 - 12	(.165 - .109)	4. 1/4	3 & 5	(.259 & .220)	90.5	(3.562)	102.3	(4.027)	-	B14382	B14384	B14386	B14388
4. 1/2	1 - 4	(.300 - .238)	4. 1/4	6 - 9	(.203 - .148)	95.2	(3.748)	104.7	(4.122)	-	B14392	B14394	B14396	B14398
4. 1/2	3 - 8	(.238 - .165)	4. 1/4	10 - 13	(.134 - .095)	98.4	(3.874)	110.3	(4.342)	-	B14402	B14404	B14406	B14408
4. 1/2	6 - 12	(.203 - .109)				101.6	(4.000)	113.5	(4.468)	-	B14412	B14414	B14416	B14418

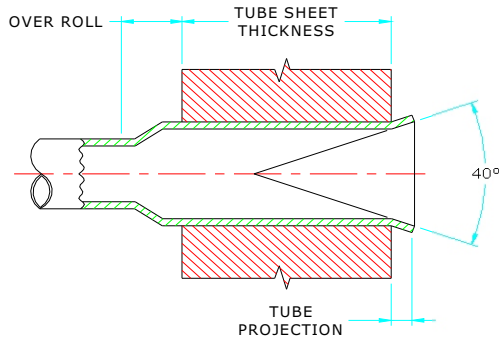
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TUBE TOOLS

Tube O. D.
2"-4.1/2"

'B114' - 4 PLAIN ROLLERS & 2 FLARE ROLLERS



SPARE ROLLERS SET MODEL NUMBER					SPARE MANDREL MODEL NUMBER				
TUBE SHEET THICKNESS RANGE					MANDREL SIZE inch	DRUM TYPE	HEADER TYPE	SHORT SERIES	
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"				5. 1/8 inch	7. 1/8 inch
2	3	4	5	6	<<< Tube Sheet Thickness Codes				
- - B34878	B34872 B34879 B34879	B34874 B34881 B34881	B34878 B34883 B34883	B34948 B34949 B34949	3/4 3/4 3/4	B32269 B32269 B32270	B32289 B32289 B32290	B32308 B32309 B32310 B32311 B32309 B32310 B32311 B32309 B32310 B32311 B32312	- - -
B34878 B34885 -	B34879 B34886 B34893	B34881 B34888 B34895	B34883 B34890 B34897	B34949 B34950 B34951	3/4 3/4 3/4	B32271 B32270 B32270	B32291 B32290 B32290	B32311 B32312 B32313 B32310 B32311 B32312 B32310 B32311 B32312 B32313	B32346 B32345 B32344 -
- - -	B34893 B34893 B34900	B34895 B34895 B34902	B34897 B34897 B34904	B34951 B34951 B34952	3/4 3/4 3/4	B32271 B32272 B32272	B32291 B32292 B32292	B32311 B32312 B32313 B32314 B32312 B32313 B21214 B32315 B32312 B32313 B32314 B32315	- - B32347 B32348 B32349
B34899 - -	B34900 B34907 B34907	B34902 B34909 B34909	B34904 B34911 B34911	B34952 B34953 B34953	3/4 3/4 1	B32273 B32273 B32274	B32293 B32293 B32294	B32315 B32316 B32317 B32315 B32316 B32317 B32318 32317 32318 32319 32320 32321	B33630 B33631 - -
- B34913 -	B34914 B34914 B34921	B34916 B34916 B34923	B34918 B34918 B34925	B34954 B34954 B34955	1 1 1	B32274 B32275 B32274	B32294 B32295 B32294	B32318 B32319 B32320 B32321 B32320 B32321 B32322 B32318 B32319 B32320 B32321	33632 33633 33634 33635 B33634 B33635 -
- - -	B34921 B34921 B34921	B34923 B34923 B34923	B34925 B34925 B34925	B34955 B34955 B34955	1 1 1	B32275 B32276 B32277	B32295 B32296 B32297	B32321 B32322 B32323 B32324 B32323 B32324 B32325 B32326 B32324 B32325B 32326 B32327	- - -
- - -	B34928 B34928 B34928	B34930 B34930 B34930	B34932 B34932 B34932	B34956 B34956 B34956	1 1 1	B32276 B32277 B32278	B32296 B32297 B32298	B32324 B32325 B32326 B32327 B32326 B32327 B32328 B32329 B32328 B32329 B32330 B32331	- - -
- -	B34935 B34935	B34937 B34937	B34939 B34939	B34957 B34957	1 1	B32277 B32278	B32297 B32298	B32324 B32325 B32326 B32327 B32329 B32330 B32331 B32332	- -
- -	B34935 B34942	B34937 B34944	B34939 B34946	B34957 B34958	1 1	B32279 B32278	B32299 B32298	B32331 B32332 B32350 B32337 B32326 B32327 B32328 B32329	- -