

BOILER TUBE EXPANDER

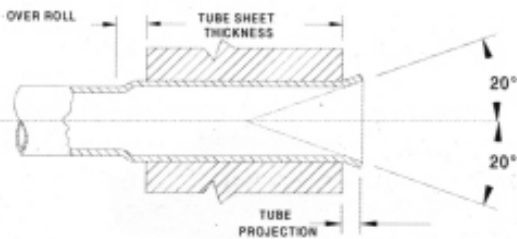


Tube O. D.
2"-4.1/2"

'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,



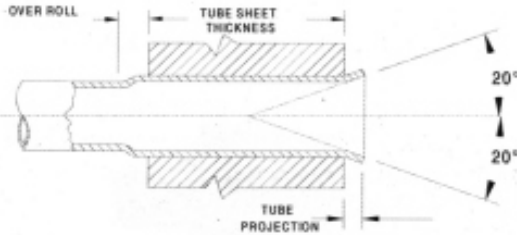
| TUBE SIZE | | | TUBE SIZE | | | TUBE TOOL ENTERS | | OF TOOL | | TUBE SHEET THICKNESS RANGE | | | | |
|--------------------------------|----------|---------------|-----------|----------|---------------|------------------|---------|---------|---------|----------------------------|-----------------|--------------------|--------------------|--------------------|
| 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 |

BOILER TUBE EXPANDER



'B114' - 4 PLAIN ROLLERS & 2 FLARE ROLLERS

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



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