

BOILER TUBE EXPANDER

BHARTIYA

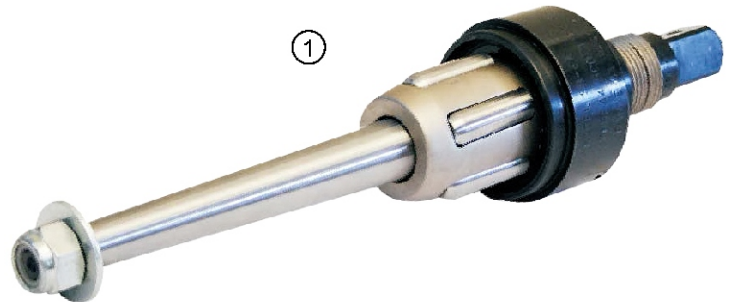
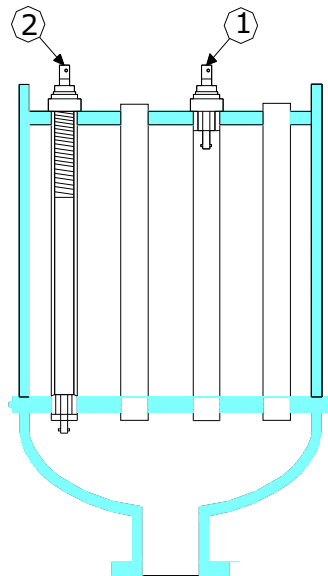
TUBE TOOLS

'BSB' PARALLEL TYPE 5 PLAIN ROLLER

Tube O. D.
1.1/2" - 4.1/2"

FEATURES:

- '5-Roll' Design is used primarily for rolling thin walled tubes used in sugar mill pan, juice heaters etc.
- '5-Roll' gives a more concentric, uniform expansion vs a 3 roll expander in thin tubes & reduces spring back action
- Time tested, durable design.
- Use - For **TOP** plate tube expansion in pan, juice heaters in sugar mills .



| TUBE SIZE | | | MIN. I.D. TUBE ENTERS | MAX. EXPANSION OF TOOL | TUBE SHEET THICKNESS mm (inch) | | | SPARE MANDREL MODEL NUMBER | SQ. DRIVE inch | SPARE ROLLERS SET NUMBER | | |
|-----------|----------|---------------|-----------------------|------------------------|--------------------------------|------------|---------------------|----------------------------|----------------|--------------------------|----------|----------|
| O.D. inch | THK. GA. | THK. inch | | | 31.75 (1.25) | 38.1 (1.5) | 50.8 (2.0) | | | | | |
| | | | Mm | Inch | Mm | Inch | TUBE EXPANDER MODEL | | | | | |
| 1. 1/2 | 11 & 12 | (.120 & .109) | 29.0 (1.141) | 31.9 (1.256) | BSB-00A | BSB-00B | BSB-00C | BSBM5-1 | 1/2 | BSBR5-1A | BSBR5-1B | BSBR5-1C |
| 1. 1/2 | 13 & 14 | (.095 & .083) | 32.5 (1.279) | 36.0 (1.417) | BSB-0A | BSB-0B | BSB-0C | BSBM5-2 | 1/2 | BSBR5-2A | BSBR5-2B | BSBR5-2C |
| 1. 1/2 | 15 & 16 | (.072 & .065) | 33.5 (1.319) | 37.2 (1.465) | BSB-1A | BSB-1B | BSB-1C | BSBM5-2 | 1/2 | BSBR5-3A | BSBR5-3B | BSBR5-3C |
| 1. 3/4 | 9 & 10 | (.148 & .134) | 35.2 (1.386) | 39.1 (1.539) | BSB-2A | BSB-2B | BSB-2C | BSBM5-3 | 3/4 | BSBR5-3A | BSBR5-3B | BSBR5-3C |
| 1. 3/4 | 11 & 12 | (.120 & .109) | 36.5 (1.437) | 40.5 (1.594) | BSB-3A | BSB-3B | BSB-3C | BSBM5-3 | 3/4 | BSBR5-4A | BSBR5-4B | BSBR5-4C |
| 1. 3/4 | 13 & 14 | (.095 & .083) | 38.1 (1.500) | 42.7 (1.681) | BSB-4A | BSB-4B | BSB-4C | BSBM5-3 | 3/4 | BSBR5-5A | BSBR5-5B | BSBR5-5C |
| 1. 3/4 | 15 & 16 | (.072 & .065) | 39.1 (1.539) | 44.2 (1.740) | BSB-5A | BSB-5B | BSB-5C | BSBM5-4 | 3/4 | BSBR5-4A | BSBR5-4B | BSBR5-4C |
| 2 | 7 & 8 | (.180 & .165) | 41.3 (1.626) | 46.7 (1.838) | BSB-6A | BSB-6B | BSB-6C | BSBM5-4 | 3/4 | BSBR5-5A | BSBR5-5B | BSBR5-5C |
| 2 | 9 & 10 | (.148 & .134) | 42.8 (1.685) | 48.3 (1.901) | BSB-7A | BSB-7B | BSB-7C | BSBM5-4 | 3/4 | BSBR5-6A | BSBR5-6B | BSBR5-6C |
| 2 | 11 - 13 | (.120 - .095) | 44.4 (1.748) | 49.7 (1.957) | BSB-8A | BSB-8B | BSB-8C | BSBM5-5 | 3/4 | BSBR5-6A | BSBR5-6B | BSBR5-6C |
| 2 | 14 - 16 | (.083 - .065) | 44.4 (1.811) | 52.2 (2.055) | BSB-9A | BSB-9B | BSB-9C | BSBM5-5 | 3/4 | BSBR5-7A | BSBR5-7B | BSBR5-7C |
| 2. 1/4 | 9 & 10 | (.148 & .134) | 47.6 (1.874) | 53.8 (2.118) | BSB-10A | BSB-10B | BSB-10C | BSBM-5 | 3/4 | BSBR-8A | BSBR-8B | BSBR-8C |
| 2. 1/4 | 11 - 13 | (.120 - .095) | 49.2 (1.937) | 55.4 (2.181) | BSB-11A | BSB-11B | BSB-11C | BSBM-5 | 3/4 | BSBR-9A | BSBR-9B | BSBR-9C |
| 2. 1/4 | 14 - 16 | (.083 - .065) | 50.7 (1.996) | 57.8 (2.275) | BSB-12A | BSB-12B | BSB-12C | BSBM-6 | 3/4 | BSBR-8A | BSBR-8B | BSBR-8C |
| 2. 1/2 | 9 & 10 | (.148 & .134) | 54.9 (2.161) | 61.0 (2.401) | BSB-13A | BSB-13B | BSB-13C | BSBM-6 | 3/4 | BSBR-10A | BSBR-10B | BSBR-10C |
| 2. 1/2 | 14 - 16 | (.083 - .065) | 57.1 (2.248) | 65.6 (2.582) | BSB-14A | BSB-14B | BSB-14C | BSBM-7 | 1 | BSBR-11A | BSBR-11B | BSBR-11C |
| 2. 3/4 | 10 - 14 | (.134 - .083) | 60.3 (2.374) | 68.8 (2.708) | BSB-15A | BSB-15B | BSB-15C | BSBM-7 | 1 | BSBR-12A | BSBR-12B | BSBR-12C |
| 3 | 7 - 9 | (.180 - .148) | 63.5 (2.500) | 72.0 (2.835) | BSB-16A | BSB-16B | BSB-16C | BSBM-7 | 1 | BSBR-13A | BSBR-13B | BSBR-13C |
| 3 | 10 - 14 | (.134 - .083) | 66.5 (2.618) | 75.0 (2.953) | BSB-17A | BSB-17B | BSB-17C | BSBM-7 | 1 | BSBR-14A | BSBR-14B | BSBR-14C |
| 3. 1/4 | 7 & 8 | (.180 & .165) | 69.8 (2.748) | 78.5 (3.090) | BSB-18A | BSB-18B | BSB-18C | BSBM-8 | 1 | BSBR-14A | BSBR-14B | BSBR-14C |
| 3. 1/2 | 4 & 5 | (.238 & .220) | 73.0 (2.874) | 81.7 (3.216) | BSB-19A | BSB-19B | BSB-19C | BSBM-8 | 1 | BSBR-15A | BSBR-15B | BSBR-15C |
| 3. 1/2 | 6 - 8 | (.203 - .165) | 76.1 (2.996) | 85.8 (3.378) | BSB-20A | BSB-20B | BSB-20C | BSBM-9 | 1 | BSBR-16A | BSBR-16B | BSBR-16C |
| 3. 3/4 | 4 & 5 | (.238 & .220) | 79.3 (3.122) | 89.0 (3.504) | BSB-21A | BSB-21B | BSB-21C | BSBM-9 | 1 | BSBR-17A | BSBR-17B | BSBR-17C |
| 3. 3/4 | 6 - 8 | (.203 - .165) | 82.5 (3.248) | 92.2 (3.629) | BSB-22A | BSB-22B | BSB-22C | BSBM-9 | 1 | BSBR-18A | BSBR-18B | BSBR-18C |
| 4 | 3 & 4 | (.259 & .238) | 85.7 (3.374) | 96.2 (3.787) | BSB-23A | BSB-23B | BSB-23C | BSBM-10 | 1 | BSBR-18A | BSBR-18B | BSBR-18C |
| 4 | 10 - 16 | (.134 - .065) | 90.3 (3.555) | 100.8 (3.968) | BSB-24A | BSB-24B | BSB-24C | BSBM-10 | 1 | BSBR-19A | BSBR-19B | BSBR-19C |
| 4. 1/4 | 6 - 8 | (.203 - .165) | 94.9 (3.736) | 105.2 (4.141) | BSB-25A | BSB-25B | BSB-25C | BSBM-11 | 1 | BSBR-20A | BSBR-20B | BSBR-20C |
| 4. 1/2 | 4 - 7 | (.238 - .180) | 89.7 (3.531) | 110.9 (4.366) | BSB-26A | BSB-26B | BSB-26C | BSBM-11 | 1 | BSBR-21A | BSBR-21B | BSBR-21C |
| 4. 1/2 | 8 - 10 | (.165 - .134) | 104.3 (4.106) | 113.1 (4.452) | BSB-27A | BSB-27B | BSB-27C | BSBM-12 | 1 | BSBR-21A | BSBR-21B | BSBR-21C |