

# CONDENSER TUBE EXPANDER

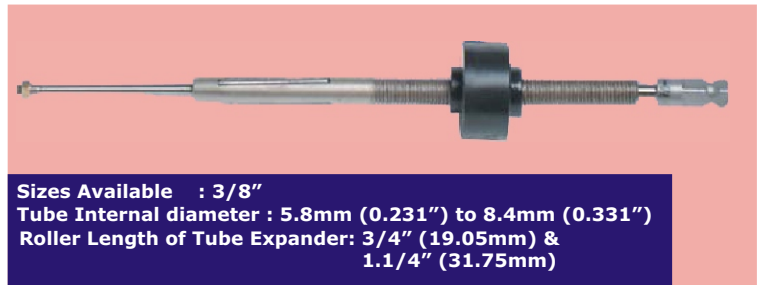
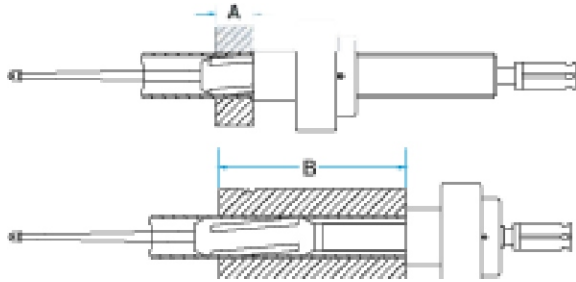


## 'B1300' SERIES

Tube O. D.  
3/8"

### FEATURES:

- Use - Oil coolers, Radiators, & other apparatus with small diameters tubes & thick tube sheets.



| TUBE EXPANDERS<br>FITTED WITH<br>ROLLER LENGTH | FOR TUBE SHEET<br>ADJUSTABLE RANGE |                  |
|--|------------------------------------|------------------|
|  | MINIMUM<br>A                       | MAXIMUM<br>B     |
| (19.05mm) 3/4"                                 | (19.05mm) 3/4"                     | (76.20mm) 3"     |
| (31.75mm) 1.1/4"                               | (31.75mm) 1.1/4"                   | (88.90mm) 3.1/2" |

| Tube O.D.<br>(Mm)<br>inch | Tube Thickness |      | Tube I. D. |      | Minimum I. D.<br>Tool Enters |      | Maximum<br>Expansion of Tool |      | EXPANDER with (19.05mm)<br>3/4" Long rollers |                      |                   | EXPANDER with (31.75mm)<br>1.1/4" Long rollers |                      |                   | Ratchet<br>Size<br>Square<br>Inch |                |
|---------------------------|----------------|------|------------|------|------------------------------|------|------------------------------|------|--|----------------------|-------------------|--|----------------------|-------------------|-----------------------------------|----------------|
|                           | Bwg            | Inch | Mm         | Inch | Mm                           | Inch | Mm                           | Inch | Mm   | Complete<br>Tool No. | Roller<br>Set No. | Mandrel<br>No.                                 | Complete<br>Tool No. | Roller<br>Set No. |                                   | Mandrel<br>No. |
| (9.53)<br>3/8             | 15             | .072 | 1.82       | .231 | 5.8                          | .230 | 5.8                          | .265 | 6.7  | B1315                | 1315              | M-86   | B1316                | 1316              | M-86                              | 1/4            |
|                           | 16             | .065 | 1.65       | .245 | 6.2                          | .240 | 6.1                          | .275 | 6.9  | B1319                | 1319              | M-86   | B1320                | 1320              | M-86                              |                |
|                           | 17             | .058 | 1.47       | .259 | 6.5                          | .255 | 6.4                          | .289 | 7.3  | B1317                | 903               | M-88   | B1318                | 904               | M-88                              |                |
|                           | 1/4            | 18   | .049       | 1.24 | .277                         | 7.0  | .272                         | 6.9  | .307   | 7.8                  | B1301             | 903  | M-80                 | B1302             | 904                               | M-80           |
|                           |                | 19   | .042       | 1.06 | .291                         | 7.3  | .286                         | 7.2  | .320   | 8.1                  | B1303             | 903  | M-81                 | B1304             | 904                               | M-81           |
|                           |                | 20   | .035       | 0.88 | .305                         | 7.7  | .300                         | 7.6  | .334   | 8.4                  | B1305             | 907  | M-82                 | B1306             | 908                               | M-82           |
|                           | 1/4            | 21   | .032       | 0.81 | .311                         | 7.9  | .306                         | 7.7  | .340   | 8.6                  | B1307             | 907  | M-83                 | B1308             | 908                               | M-83           |
|                           |                | 22   | .028       | 0.71 | .319                         | 8.1  | .314                         | 7.9  | .349   | 8.8                  | B1309             | 909  | M-83                 | B1310             | 910                               | M-83           |
|                           |                | 23   | .025       | 0.63 | .325                         | 8.2  | .320                         | 8.1  | .357   | 9.0                  | B1311             | 911  | M-83                 | B1312             | 912                               | M-83           |
|                           | 24             | .022 | 0.55       | .331 | 8.4                          | .320 | 8.1                          | .357 | 9.0  | B1311                | 911               | M-83   | B1312                | 912               | M-83                              |                |

## BHARTIYA INDUSTRIES

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