

TULEX BOILER TUBE EXPANDERS - TU-A SERIES (SUITABLE FOR TUBE OD : 7/8" TO 4.1/2")

| TUBE O.D. | TUBE THICKNESS | | TUBE O.D. | TUBE THICKNESS | Minimum I.D. Tool Enters | | | Maximum Expansion of Tool | | | Tube Expander Model Number Tube Sheet Thickness Range | | | | | Spare Rollers set Model Number Tube sheet Thickness Range | | | | | Mandrel square Drive Size Inch | Spare Mandrel Model Number | | | | | |
|-----------|----------------|-------------|-----------|----------------|--------------------------|------|-------|---------------------------|-------|----------|-------------------------------------------------------|--------------|----------------|------------------|------------------|-----------------------------------------------------------|--------------|----------------|------------------|------------------|--------------------------------|----------------------------|-----------|-------------|--------------------------------------------|-----------|-----------|
| | Inch | bwg | | | Inch | bwg | 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" | 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" | Drum Type | Header Type | Short Series Mandrel Set (No. of Mandrels) | | |
| 7/8 | 15 | 0.072 | 1 | 10 | 0.134 | 18.1 | 0.712 | 20.4 | 0.803 | TUA-31/2 | TUA-31/3 | | | | | | | | 15-2-RS | 15-3-RS | - | - | 3/8 | DM-11 | | | |
| 7/8 | 16 | 0.065 | | | | 18.4 | 0.724 | 20.7 | 0.814 | TUA-32/2 | TUA-32/3 | | | | | | | | 15-2-RS | 15-3-RS | - | - | 3/8 | DM-12 | | | |
| 7/8 | 17 | 0.058 | 1 | 11 | 0.12 | 18.8 | 0.74 | 21.1 | 0.83 | TUA-32/2 | TUA-33/3 | | | | | | | | 16-2-RS | 16-3-RS | - | - | 3/8 | DM-12 | | | |
| 7/8 | 18 | 0.049 | 1 | 12 | 0.109 | 19.4 | 0.763 | 21.6 | 0.85 | TUA-34/3 | TUA-34/3 | | | | | | | | 20-2-RS | 20-3-RS | - | - | 3/8 | DM-12 | | | |
| 7/8 | 19 & 20 | .042 & .035 | 1.1/8 | 8 | 0.165 | 19.7 | 0.775 | 22.3 | 0.877 | TUA-35/2 | TUA-35/3 | | | | | | | | 17-2-RS | 17-3-RS | - | - | 3/8 | DM-13 | | | |
| 1 | 13 | 0.095 | | | | 20.1 | 0.791 | 22.4 | 0.881 | TUA-36/2 | TUA-36/3 | | | | | | | | 18-2-RS | 18-3-RS | - | - | 3/8 | DM-12 | | | |
| 1 | 14 | 0.083 | 1.1/8 | 9 | 0.148 | 20.6 | 0.811 | 23.1 | 0.909 | TUA-37/2 | TUA-37/3 | | | | | | | | 18-2-RS | 18-3-RS | 18-4-RS | - | - | 3/8 | DM-13 | HM-13 | SM-13 (2) |
| 1 | 15 & 16 | .072 & .065 | 1.1/8 | 10 | 0.134 | 21.3 | 0.838 | 23.8 | 0.937 | TUA-38/2 | TUA-38/3 | | | | | | | | 19-2-RS | 19-3-RS | 19-4-RS | - | - | 3/8 | DM-13 | HM-13 | SM-13 (2) |
| 1 | 17 & 18 | .058 & .048 | 1.1/8 | 11 | 0.12 | 22 | 0.866 | 24.5 | 0.964 | TUA-39/2 | TUA-39/3 | | | | | | | | 21-2-RS | 21-3-RS | 21-4-RS | - | - | 3/8 | DM-13 | HM-13 | SM-13 (2) |
| 1 | 19 & 20 | .042 & .035 | 1.1/8 | 12 | 0.109 | 22.4 | 0.881 | 25 | 0.984 | TUA-40/2 | TUA-40/3 | | | | | | | | 21-2-RS | 21-3-RS | 21-4-RS | - | - | 3/8 | DM-14 | HM-14 | SM-14 (2) |
| 1.1/4 | 8 | 0.165 | 1.1/8 | 13 | 0.095 | 23.3 | 0.917 | 25.9 | 1.019 | TUA-41/2 | TUA-41/3 | | | | | | | | 22-2-RS | 22-3-RS | 22-4-RS | - | - | 3/8 | DM-14 | HM-14 | SM-14 (2) |
| 1.1/4 | 9 | 0.148 | 1.1/8 | 14 | 0.083 | 23.8 | 0.937 | 26.5 | 1.043 | TUA-42/2 | TUA-42/3 | | | | | | | | 23-2-RS | 23-3-RS | 23-4-RS | - | - | 1/2 | DM-15 | HM-15 | SM-15 (2) |
| 1.1/4 | 10 | 0.134 | 1.1/8 | 15 & 16 | .072 & .065 | 24.4 | 0.96 | 27.2 | 1.07 | TUA-43/2 | TUA-43/3 | | | | | | | | 24-2-RS | 24-3-RS | 24-4-RS | - | - | 1/2 | DM-15 | HM-15 | SM-15 (2) |
| 1.1/4 | 11 | 0.12 | | | | 25.2 | 0.992 | 28 | 1.102 | TUA-44/2 | TUA-44/3 | | | | | | | | 26-2-RS | 26-3-RS | 26-4-RS | - | - | 1/2 | DM-16 | HM-16 | SM-16 (2) |
| 1.1/4 | 12 | 0.109 | | | | 25.7 | 1.011 | 28.5 | 1.122 | TUA-45/2 | TUA-45/3 | | | | | | | | 27-2-RS | 27-3-RS | 27-4-RS | - | - | 1/2 | DM-16 | HM-16 | SM-16 (2) |
| 1.1/4 | 13 | 0.095 | 1.3/8 | 8 | 0.165 | 26.1 | 1.027 | 28.8 | 1.142 | TUA-46/2 | TUA-46/3 | | | | | | | | 28-2-RS | 28-3-RS | 28-4-RS | - | - | 1/2 | DM-16 | HM-16 | SM-16 (2) |
| 1.1/4 | 14 | 0.083 | | | | 26.4 | 1.039 | 29.2 | 1.149 | TUA-47/2 | TUA-47/3 | | | | | | | | 28-2-RS | 28-3-RS | 28-4-RS | - | - | 1/2 | DM-17 | HM-17 | SM-17 (2) |
| 1.1/4 | 15 | 0.072 | 1.3/8 | 9 | 0.148 | 26.9 | 1.059 | 29.7 | 1.169 | TUA-48/2 | TUA-48/3 | | | | | | | | 29-2-RS | 29-3-RS | 29-4-RS | - | - | 1/2 | DM-17 | HM-17 | SM-17 (2) |
| 1.1/4 | 16 | 0.065 | 1.3/8 | 10 | 0.134 | 27.6 | 1.086 | 30.4 | 1.196 | TUA-49/2 | TUA-49/3 | | | | | | | | 30-2-RS | 30-3-RS | 30-4-RS | - | - | 1/2 | DM-17 | HM-17 | SM-17 (2) |
| 1.1/2 | 7 | 0.18 | 1.3/8 | 11 | 0.12 | 28.3 | 1.114 | 31.2 | 1.228 | TUA-50/2 | TUA-50/3 | | | | | | | | 30-2-RS | 30-3-RS | 30-4-RS | 30-5-RS | 30-6-RS | 1/2 | DM-18 | HM-18 | SM-18 (2) |
| 1.1/2 | 8 | 0.165 | 1.3/8 | 12 | 0.109 | 28.8 | 1.133 | 31.7 | 1.248 | TUA-51/2 | TUA-51/3 | | | | | | | | 32-2-RS | 32-3-RS | 32-4-RS | 32-5-RS | 32-6-RS | 1/2 | DM-18 | HM-18 | SM-18 (2) |
| 1.1/2 | 9 | 0.148 | 1.3/8 | 13 & 14 | .095 & 0.083 | 29.5 | 1.161 | 33.4 | 1.314 | TUA-52/2 | TUA-52/3 | | | | | | | | 28-2-RS | 28-3-RS | 28-4-RS | 28-5-RS | 28-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 1.1/2 | 10 | 0.134 | 1.3/8 | 15 & 16 | .072 & .065 | 30 | 1.181 | 34.1 | 1.342 | TUA-53/2 | TUA-53/3 | | | | | | | | 29-2-RS | 29-3-RS | 29-4-RS | 29-5-RS | 29-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 1.1/2 | 11 & 12 | .120 & .109 | | | | 30.6 | 1.204 | 34.8 | 1.371 | TUA-54/2 | TUA-54/3 | | | | | | | | 30-2-RS | 30-3-RS | 30-4-RS | 30-5-RS | 30-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 1.1/2 | 13 | 0.095 | 1.3/4 | 5 | 0.22 | 31.4 | 1.236 | 35.6 | 1.401 | TUA-55/2 | TUA-55/3 | | | | | | | | 33-2-RS | 33-3-RS | 33-4-RS | 33-5-RS | 33-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 1.1/2 | 14 & 15 | .083 & .072 | 1.3/4 | 6 | 0.203 | 32.6 | 1.283 | 36.8 | 1.448 | TUA-56/2 | TUA-56/3 | | | | | | | | 34-2-RS | 34-3-RS | 34-4-RS | 34-5-RS | 34-6-RS | 1/2 | DM-21 | HM-21 | SM-21 (2) |
| | | | 1.3/4 | 7 | 0.18 | 33.4 | 1.314 | 38.1 | 1.5 | TUA-57/2 | TUA-57/3 | | | | | | | | 36-2-RS | 36-3-RS | 36-4-RS | 36-5-RS | 36-6-RS | 1/2 | DM-21 | HM-21 | SM-21 (2) |
| | | | 1.3/4 | 8 | 0.165 | 34.2 | 1.346 | 38.7 | 1.523 | TUA-58/2 | TUA-58/3 | | | | | | | | 37-2-RS | 37-3-RS | 37-4-RS | 37-5-RS | 37-6-RS | 1/2 | DM-21 | HM-21 | SM-21 (2) |
| 2 | 3 | 0.259 | 1.3/4 | 9 & 10 | .148 & .134 | 35 | 1.377 | 40.6 | 1.598 | TUA-59/2 | TUA-59/3 | | | | | | | | 33-2-RS | 33-3-RS | 33-4-RS | 33-5-RS | 33-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 2 | 4 | 0.238 | 1.3/4 | 11 & 12 | .120 & .109 | 36.6 | 1.44 | 42.2 | 1.661 | TUA-60/2 | TUA-60/3 | | | | | | | | 37-2-RS | 37-3-RS | 37-4-RS | 37-5-RS | 37-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 2 | 5 & 6 | .220 & .203 | 1.3/4 | 13 & 14 | .095 & .083 | 38.3 | 1.507 | 43.8 | 1.712 | TUA-61/2 | TUA-61/3 | | | | | | | | 39-2-RS | 39-3-RS | 39-4-RS | 39-5-RS | 39-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 2 | 7 & 8 | .180 & .165 | 1.3/4 | 15 & 16 | .072 & .065 | 39.8 | 1.566 | 45.4 | 1.787 | TUA-62/2 | TUA-62/3 | | | | | | | | 39-2-RS | 39-3-RS | 39-4-RS | 39-5-RS | 39-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 2 | 9 & 10 | .148 & .134 | 1.1/4 | 3 | 0.259 | 41.4 | 1.629 | 47 | 1.85 | TUA-63/2 | TUA-63/3 | | | | | | | | 40-2-RS | 40-3-RS | 40-4-RS | 40-5-RS | 40-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 2 | 11-13 | .120-.095 | 2.1/4 | 4 | 0.238 | 42.9 | 1.688 | 49.5 | 1.948 | TUA-64/2 | TUA-64/3 | | | | | | | | 40-2-RS | 40-3-RS | 40-4-RS | 40-5-RS | 40-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 2 | 14-16 | .083-.065 | 2.1/4 | 6 & 7 | .203 & .180 | 44.5 | 1.751 | 51.1 | 2.011 | TUA-65/2 | TUA-65/3 | | | | | | | | 41-3-RS | 41-4-RS | 41-5-RS | 41-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) | |
| 2 | 17 & 18 | .058 & .049 | 2.1/4 | 8 & 9 | .165 & .148 | 46.1 | 1.814 | 52.7 | 2.074 | TUA-66/2 | TUA-66/3 | | | | | | | | 42-3-RS | 42-4-RS | 42-5-RS | 42-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) | |
| 2.1/2 | 3 | 0.259 | 2.1/4 | 10 & 11 | .134 & .120 | 47.7 | 1.877 | 54.3 | 2.137 | TUA-67/2 | TUA-67/3 | | | | | | | | 43-2-RS | 43-3-RS | 43-4-RS | 43-5-RS | 43-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 2.1/2 | 4 & 5 | .238 & .220 | 2.1/4 | 12 & 13 | .098 & .085 | 49.3 | 1.94 | 55.9 | 2.2 | TUA-68/2 | TUA-68/3 | | | | | | | | 44-2-RS | 44-3-RS | 44-4-RS | 44-5-RS | 44-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 2.1/2 | 6 & 7 | .203 & .180 | 2.1/4 | 14-16 | .083-.065 | 50.8 | 2 | 57.8 | 2.275 | TUA-69/2 | TUA-69/3 | | | | | | | | 45-2-RS | 45-3-RS | 45-4-RS | 45-5-RS | 45-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 2.1/2 | 8 & 9 | .165 & .148 | 2.1/4 | 3 | 0.259 | 52.4 | 2.062 | 59.4 | 2.338 | TUA-70/2 | TUA-70/3 | | | | | | | | 44-2-RS | 44-3-RS | 44-4-RS | 44-5-RS | 44-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 2.1/2 | 10 & 11 | .134 & .120 | 2.3/4 | 4 | 0.238 | 54 | 2.125 | 61 | 2.401 | TUA-71/2 | TUA-71/3 | | | | | | | | 45-2-RS | 45-3-RS | 45-4-RS | 45-5-RS | 45-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 2.1/2 | 12 & 14 | .109 & .083 | 2.3/4 | 5 & 6 | .220 & .203 | 55.6 | 2.188 | 64 | 2.519 | TUA-72/2 | TUA-72/3 | | | | | | | | 47-2-RS | 47-3-RS | 47-4-RS | 47-5-RS | 47-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 2.1/2 | 15 & 16 | .072 & .065 | 2.3/4 | 7 & 8 | .180 & .165 | 57.2 | 2.251 | 65.6 | 2.582 | TUA-73/2 | TUA-73/3 | | | | | | | | 46-2-RS | 46-3-RS | 46-4-RS | 46-5-RS | 46-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 3 | 3 | 0.259 | 3.3/4 | 9 & 10 | .148 & .134 | 58.6 | 2.307 | 67 | 2.637 | TUA-74/2 | TUA-74/3 | | | | | | | | 47-2-RS | 47-3-RS | 47-4-RS | 47-5-RS | 47-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 3 | 4 | 0.238 | 2.3/4 | 11-13 | .120-.095 | 60.4 | 2.377 | 68.8 | 2.708 | TUA-75/2 | TUA-75/3 | | | | | | | | 48-2-RS | 48-3-RS | 48-4-RS | 48-5-RS | 48-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 3 | 5 & 6 | .220 & .203 | 2.3/4 | | | | | | | | | | | | | | | | | | | | | | | | |