## P2 Series Mandrel

| Part Number | Tube O.D. | Tube Gauge | Tube I.D. | Min Exp. | Max Exp. | Mandrel Square Drive |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| T-290 | 31.7 mm | 16 bwg | 1.120 in | 1.100 in | 1.990 in | 12.7 mm |
|  | 1-1/4 in | 0.065 in | 28.45 mm | 27.80 mm | 33.00 mm | $1 / 2$ in |
|  |  | 1.65 mm |  |  |  |  |
| T-290 | 38.1 mm | 7 to 11 bwg | 1.14 to 1.26 in | 1.140 in | 1.330 in | 12.7 mm |
|  | 1-1/2 in | 0.180 to 0.120 in | 29.1 to 32.1 mm | 28.80 mm | 34.00 mm | $1 / 2$ in |
|  |  | 3.04 to 4.5 mm |  |  |  |  |
| T-290 | 38.1 mm | 10 to 12 bwg | 1.22 to 1.28 in | 1.173 in | 1.337 in | 12.7 mm |
|  | 1-1/2 in | 0.134 to 0.109 in | 31 to 32.58 mm | 29.80 mm | 35.00 mm | $1 / 2$ in |
|  |  | 2.76 to 3.4 mm |  |  |  |  |
| T-320 | 38.1 mm | 13 to 16 bwg | 1.299 to 1.37 in | 1.251 in | 1.456 in | 12.7 mm |
|  | 1-1/2 in | 0.095 to 0.065 in | 33 to 34.8 mm | 31.80 mm | 37.00 mm | $1 / 2$ in |
|  |  | 1.65 to 2.4 mm |  |  |  |  |
| T-370 | 44.4 mm | 8 to 9 bwg | 1.454 to 1.420 in | 1.370 in | 1.614 in | 19 mm |
|  | 1-3/4 in | 0.165 to 0.148 in | 36 to 37 mm | 34.80 mm | 41.00 mm | 3/4 in |
|  |  | 4.20 to 4.60 mm |  |  |  |  |
| T-370 | 44.4 mm | 10 to 16 bwg | 1.48 to 1.618 in | 1.448 in | 1.692 in | 19 mm |
|  | 1-3/4 in | 0.134 to 0.065 in | 37.6 to 41.1 mm | 36.80 mm | 43.00 mm | 3/4 in |
|  |  | 1.65 to 3.4 mm |  |  |  |  |
| T-420 | 50.8 mm | 7 to 10 bwg | 1.737 to 1.732 in | 1.566 in | 1.811 in | 19 mm |
|  | 2 in | 0.180 to 0.134 in | 41.6 to 44 mm | 39.8 mm | 46.00 mm | $3 / 4$ in |
|  |  | 3.40 to 4.6 mm |  |  |  |  |
| T-420 | 50.8 mm | 11 to 12 bwg | 1.759 to 1.779 in | 1.645 in | 1.889 in | 19 mm |
|  | 2 in | 0.120 to 0.109 in | 44.7 to 45.2 mm | 41.80 mm | 48.00 mm | $3 / 4$ in |
|  |  | 2.8 to 3.04 mm |  |  |  |  |
| T-440 | 50.8 mm | 13 to 15 bwg | 1.811 to 1.854 in | 1.724 in | 1.968 in | 19 mm |
|  | 2 in | 0.095 to 0.072 in | 46 to 47.1 mm | 43.80 mm | 50.00 mm | $3 / 4$ in |
|  |  | 1.82 to 2.4 mm |  |  |  |  |
| T-470 | 50.8 mm | 16 bwg | 1.870 in | 1.842 in | 2.125 in | 19 mm |
|  | 2 in | 0.065 in | 47.50 mm | 46.80 mm | 54.00 mm | $3 / 4$ in |
|  |  | 1.65 mm |  |  |  |  |
| T-490 | 57.1 mm | 10 to 12 bwg | 1.98 to 2.031 in | 1.921 in | 2.204 in | 19 mm |
|  | 2-1/4 in | 0.134 to 0.109 in | 50.3 to 51.6 mm | 48.80 mm | 56.00 mm | $3 / 4$ in |
|  |  | 2.76 to 3.4 mm |  |  |  |  |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| T-490 | 57.1 mm | 14 to 16 bwg | 2.082 to 2.118 in | 2.039 in | 2.332 in | 19 mm |
|  | 2-1/4 in | 0.083 to 0.065 in | 52.9 to 53.8 mm | 51.80 mm | 59.00 mm | $3 / 4$ in |
|  |  | 1.65 to 2.1 mm |  |  |  |  |
| T-540 | 63.5 mm | 11 to 12 bwg | 2.259 to 2.279 in | 2.118 in | 2.440 in | 19 mm |
|  | 2-1/2 in | 0.120 to 0.109 in | $\begin{aligned} & 57.4 \text { to } 57.9 \mathrm{~mm} \\ & 2.118 \text { in } \end{aligned}$ | 53.8 mm | 62.00 mm | $3 / 4$ in |
|  |  | 2.8 to 3.04 mm |  |  |  |  |
| T-570 | 63.5 mm | 13 to 16 bwg | 2.311 to 2.374 in | 2.236 in | 2.598 in | 19 mm |
|  | 2-1/2 in | 0.095 to 0.065 in | $\begin{aligned} & 58.7 \text { to } 60.3 \mathrm{~mm} \\ & 2.236 \text { in } \\ & \hline \end{aligned}$ | 56.80 mm | 66.00 mm | $3 / 4$ in |
|  |  | 1.6 to 2.4 mm |  |  |  |  |
| T-570 | 69.8 mm | 7 to 11 bwg | 2.385 to 2.508 in | 2.354 in | 2.716 in | 19 mm |
|  | 2-3/4 in | 0.180 to 0.120 in | 60.6 to 63.72 mm | 59.80 mm | 69.00 mm | $3 / 4$ in |
|  |  | 3.04 to 4.6 mm |  |  |  |  |
| T-650 | 76.2 mm | 7 to 11 bwg | 2.637 to 2.76 in | 2.551 in | 2.952 in | 19 mm |
|  | 3 in | 0.180 to 0.120 in | 67 to 70.12 mm | 64.80 mm | 75.00 mm | $3 / 4$ in |
|  |  | 3.04 to 4.6 mm |  |  |  |  |
| T-720 | 76.2 mm | 13 to 15 bwg | 2.811 to 2.856 in | 2.669 in | 3.070 in | 25.4 mm |
|  | 3 in | 0.095 to 0.072 in | 71.4 to 72.56 mm | 67.80 mm | 78.00 mm | 1 in |
|  |  | 2.4 to 1.82 mm |  |  |  |  |
| T-720 | 82.55 mm | 7 to 12 bwg | 2.895 to 3.01 in | 2.834 in | 3.228 in | 25.4 mm |
|  | 3-1/4 in | 0.180 to 0.120 in | 73.55 to 76.47 mm | 72 mm | 82 mm | 1 in |
|  |  | 3.04 to 4.6 mm |  |  |  |  |
| T-770 | 82.55 mm | 13 to 16 bwg | 3.061 to 3.120 in | 3.03 in | 3.43 in | 25.4 mm |
|  | 3-1/4 in | 0.095 to 0.065 in | 77.75 to 79.25 mm | 77 mm | 87 mm | 1 in |
|  |  | 1.65 to 2.4 mm |  |  |  |  |
| T-820 | 88.9 mm | 10 to 16 bwg | 3.232-3.370 in | 3.228 in | 3.622 in | 25.4 mm |
|  | 3-1/2 in | 0.136 to 0.065 in | 82.1 to 85.6 mm | 82 mm | 92 mm | 1 in |
|  |  | 1.65 to 3.4 mm |  |  |  |  |
| T-860 | 95.25 mm | 7 to 12 bwg | 3.387-3.510 in | 3.385 in | 3.779 in | 25.4 mm |
|  | 3-3/4 in | 0.180 to 0.120 in | 86.05 to 89.17 mm | 86 mm | 96 mm | 1 in |
|  |  | 3.04 to 4.6 mm |  |  |  |  |
| T-900 | 101.6 mm | 8 to 12 bwg | 3.669-3.732 in | 3.543 in | 4.015 in | 25.4 mm |
|  | 4 in | 0.165 to 0.109 in | 93.2 to 94.8 mm | 90 mm | 102 mm | 1 in |
|  |  | 3.4 to 4.2 mm |  |  |  |  |
| T-960 | 101.6 mm | 13 to 16 bwg | 3.8113 .870 in | 3.779 in | 4.409 in | 25.4 mm |
|  | 4 in | 0.095 to 0.065 in | 96.8 to 98.3 mm | 96 mm | 112 mm | 1 in |
|  |  | 1.65 to 2.4 mm |  |  |  |  |

