*22 April 2003*
*JAC*

# Pole Geometries and Currents Used for Field Calculations

| **7-Pole Wiggler (1.9 T Peak Field) – Wiggler #1 – Version 37_135 –** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Pole Length (cm) | Number | Cutout Width (cm) | Cutout Depth (mm) | Main Current (Amp-turns) | Main Turns | Main Width (Inches) | Trim Current (Amp-turns) | Trim Turns | Trim Width (Inches) |
| 20 | 5 | 6 | 5.0 | 79.38k | 588 | 1.000 | —– | —– | —– |
| 15 | 2 | 6 | 3.5 | 51.03k | 378 | 0.642 | 1.33k | 663 | 0.358 |

| **7-Pole Wiggler (2.1 T Peak Field) – Wiggler #1 – Version 37_161 –** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Pole Length (cm) | Number | Cutout Width (cm) | Cutout Depth (mm) | Main Current (Amp-turns) | Main Turns | Main Width (Inches) | Trim Current (Amp-turns) | Trim Turns | Trim Width (Inches) |
| 20 | 5 | 6 | 5.0 | 95.00k | 588 | 1.000 | —– | —– | —– |
| 15 | 2 | 6 | 3.5 | 61.07k | 378 | 0.642 | 0.86k | 663 | 0.358 |

| **7-Pole Wiggler (2.1 T Peak Field) – Wiggler #2 – Version 44_144 –** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Pole Length (cm) | Number | Cutout Width (cm) | Cutout Depth (mm) | Main Current (Amp-turns) | Main Turns | Main Width (Inches) | Trim Current (Amp-turns) | Trim Turns | Trim Width (Inches) |
| 20 | 5 | 6 | 5.0 | 95.00k | 660 | 1.000 | —– | —– | —– |
| 15 | 2 | 6 | 3.6 | 57.00k | 396 | 0.603 | 4.569k | 684 | 0.380 |

| **8-Pole Wiggler (2.1 T Peak Field) – Wiggler #3 – Version 37_144 –** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Pole Length (cm) | Number | Cutout Width (cm) | Cutout Depth (mm) | Main Current (Amp-turns) | Main Turns | Main Width (Inches) | Trim Current (Amp-turns) | Trim Turns | Trim Width (Inches) |
| 20 | 4 | 6 | 5.0 | 95.00k | 660 | 1.000 | —– | —– | —– |
| 15 | 2 | 6 | 5.5 | 95.00k | 660 | 1.000 | —– | —– | —– |
| 10 | 2 | 6 | 3.6 | 50.67k | 352 | 0.533 | 0.993k | 836 | 0.467 |