

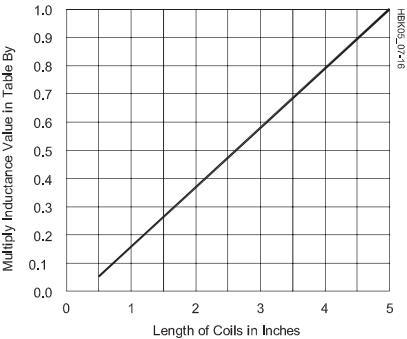
**Table 22.51**  
**Large Machine-Wound Coil Specifications**

| <i>Coil Dia,<br/>Inches</i> | <i>Turns<br/>Per Inch</i> | <i>Inductance<br/>in <math>\mu</math>H Per Inch</i> |
|-----------------------------|---------------------------|-----------------------------------------------------|
| 1¼                          | 4                         | 2.75                                                |
|                             | 6                         | 6.3                                                 |
|                             | 8                         | 11.2                                                |
|                             | 10                        | 17.5                                                |
|                             | 16                        | 42.5                                                |
| 1½                          | 4                         | 3.9                                                 |
|                             | 6                         | 8.8                                                 |
|                             | 8                         | 15.6                                                |
|                             | 10                        | 24.5                                                |
|                             | 16                        | 63                                                  |
| 1¾                          | 4                         | 5.2                                                 |
|                             | 6                         | 11.8                                                |
|                             | 8                         | 21                                                  |
|                             | 10                        | 33                                                  |
|                             | 16                        | 85                                                  |
| 2                           | 4                         | 6.6                                                 |
|                             | 6                         | 15                                                  |
|                             | 8                         | 26.5                                                |
|                             | 10                        | 42                                                  |
|                             | 16                        | 108                                                 |
| 2½                          | 4                         | 10.2                                                |
|                             | 6                         | 23                                                  |
|                             | 8                         | 41                                                  |
|                             | 10                        | 64                                                  |
| 3                           | 4                         | 14                                                  |
|                             | 6                         | 31.5                                                |
|                             | 8                         | 56                                                  |
|                             | 10                        | 89                                                  |

**Table 22.53**  
**Small Machine-Wound Coil Specifications**

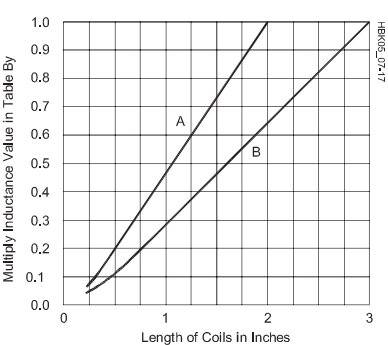
| <i>Coil Dia,<br/>Inches</i> | <i>Turns<br/>Per Inch</i> | <i>Inductance<br/>in <math>\mu</math>H Per Inch</i> |
|-----------------------------|---------------------------|-----------------------------------------------------|
| ½ (A)                       | 4                         | 0.18                                                |
|                             | 6                         | 0.40                                                |
|                             | 8                         | 0.72                                                |
|                             | 10                        | 1.12                                                |
|                             | 16                        | 2.8                                                 |
|                             | 32                        | 12                                                  |
| ⅝ (A)                       | 4                         | 0.28                                                |
|                             | 6                         | 0.62                                                |
|                             | 8                         | 1.1                                                 |
|                             | 10                        | 1.7                                                 |
|                             | 16                        | 4.4                                                 |
|                             | 32                        | 18                                                  |
| ¾ (B)                       | 4                         | 0.6                                                 |
|                             | 6                         | 1.35                                                |
|                             | 8                         | 2.4                                                 |
|                             | 10                        | 3.8                                                 |
|                             | 16                        | 9.9                                                 |
|                             | 32                        | 40                                                  |
| 1 (B)                       | 4                         | 1.0                                                 |
|                             | 6                         | 2.3                                                 |
|                             | 8                         | 4.2                                                 |
|                             | 10                        | 6.6                                                 |
|                             | 16                        | 16.9                                                |
|                             | 32                        | 68                                                  |

**Table 22.52**  
**Inductance Factor for Large Machine-Wound Coils**



Factor to be applied to the inductance of large coils for coil lengths up to 5 inches.

**Table 22.54**  
**Inductance Factor for Small Machine-Wound Coils**



Factor to be applied to the inductance of small coils as a function of coil length. Use curve A for coils marked A, and curve B for coils marked B.