

YXG シリーズ  
SERIES

105℃ 低インピーダンス品  
105℃ Low Impedance

・105℃ 3000～6000時間品。  
Load Life : 105℃ 3000～6000 hours.

新規採用非推奨品  
NOT Recommended for new designs

RoHS  
compliance



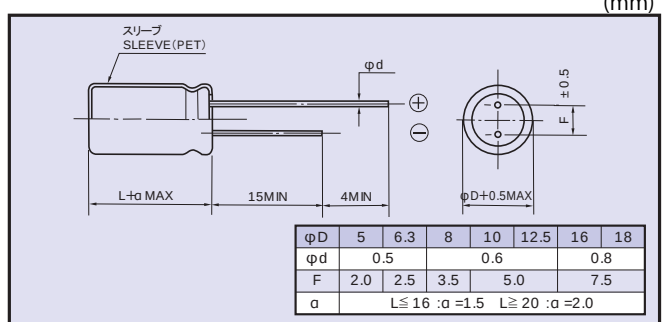
◆規格表／SPECIFICATIONS

| 項 目<br>Items                                                               | 特 性<br>Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                                     |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------|-------------------------------------------------|---------------------|----------------------|-----------------------------------|----------------------------------------------------------|--------|----------------|----------------------------|---------------------------------------------|------|------|------|------|----------------|------|---|---|---------|------|---|
| カ テ ゴ リ 温 度 範 囲<br>Category Temperature Range                              | −40〜+105℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                     |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 定 格 電 圧 範 囲<br>Rated Voltage Range                                         | 6.3〜50Vdc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                     |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 静 電 容 量 許 容 差<br>Capacitance Tolerance                                     | ±20% (20℃, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                                     |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 漏 れ 電 流<br>Leakage Current(MAX)                                            | I=0.01CV又は3μAのいずれか大なる値以下 (定格電圧印加2分後)<br>I=0.01CV or 3μA whichever is greater. (After 2 minutes)<br><br>I=漏れ電流(μA)                      C=静電容量(μF)                      V=定格電圧(Vdc)<br>Leakage Current                      Capacitance                      Rated Voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                     |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 損 失 角 の 正 接 (tanδ)<br>Dissipation Factor(MAX)                              | <table><tr><td>定格電圧(Vdc)<br/>Rated Voltage</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>tan δ</td><td>0.22</td><td>0.19</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td></tr></table> (20℃, 120Hz)<br><br>1000μFを越えるものは1000μF増す毎に上表の値に0.02を加えた値とする。<br>When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000 μF.                                                                                                                                                                                                                                                                                                                                                               |                     | 定格電圧(Vdc)<br>Rated Voltage          | 6.3                                             | 10                  | 16                   | 25                                | 35                                                       | 50     | tan δ          | 0.22                       | 0.19                                        | 0.16 | 0.14 | 0.12 | 0.10 |                |      |   |   |         |      |   |
| 定格電圧(Vdc)<br>Rated Voltage                                                 | 6.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10                  | 16                                  | 25                                              | 35                  | 50                   |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| tan δ                                                                      | 0.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.19                | 0.16                                | 0.14                                            | 0.12                | 0.10                 |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 耐 久 性<br>Endurance                                                         | <p>105℃中で右表の時間定格電圧(リプル重畳)印加後、下記の項目を満足すること。<br/>After applying rated voltage with rated ripple current for specified time at 105℃, the capacitors shall meet the following requirements.</p> <table><tr><td>静 電 容 量 変 化 率<br/>Capacitance Change</td><td>初期値の±25%以内<br/>Within ±25% of the initial value.</td><td>ケースサイズ<br/>Case Size</td><td>時間(hrs)<br/>Life Time</td></tr><tr><td>損 失 角 の 正 接<br/>Dissipation Factor</td><td>規格値の200%以下<br/>Not more than 200% of the specified value.</td><td>φD≤6.3</td><td>3000</td></tr><tr><td>漏 れ 電 流<br/>Leakage Current</td><td>規格値以下<br/>Not more than the specified value.</td><td>φD=8</td><td>4000</td></tr><tr><td></td><td></td><td>φD=10</td><td>5000</td></tr><tr><td></td><td></td><td>φD≥12.5</td><td>6000</td></tr></table> |                     | 静 電 容 量 変 化 率<br>Capacitance Change | 初期値の±25%以内<br>Within ±25% of the initial value. | ケースサイズ<br>Case Size | 時間(hrs)<br>Life Time | 損 失 角 の 正 接<br>Dissipation Factor | 規格値の200%以下<br>Not more than 200% of the specified value. | φD≤6.3 | 3000           | 漏 れ 電 流<br>Leakage Current | 規格値以下<br>Not more than the specified value. | φD=8 | 4000 |      |      | φD=10          | 5000 |   |   | φD≥12.5 | 6000 |   |
| 静 電 容 量 変 化 率<br>Capacitance Change                                        | 初期値の±25%以内<br>Within ±25% of the initial value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ケースサイズ<br>Case Size | 時間(hrs)<br>Life Time                |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 損 失 角 の 正 接<br>Dissipation Factor                                          | 規格値の200%以下<br>Not more than 200% of the specified value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | φD≤6.3              | 3000                                |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 漏 れ 電 流<br>Leakage Current                                                 | 規格値以下<br>Not more than the specified value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | φD=8                | 4000                                |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | φD=10               | 5000                                |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | φD≥12.5             | 6000                                |                                                 |                     |                      |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| 低 温 特 性<br>Low Temperature Stability<br>(インピーダンス比)<br>Impedance Ratio(MAX) | <table><tr><td>定格電圧(Vdc)<br/>Rated Voltage</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z(−25℃)/Z(20℃)</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(−40℃)/Z(20℃)</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table> (120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     | 定格電圧(Vdc)<br>Rated Voltage          | 6.3                                             | 10                  | 16                   | 25                                | 35                                                       | 50     | Z(−25℃)/Z(20℃) | 4                          | 3                                           | 2    | 2    | 2    | 2    | Z(−40℃)/Z(20℃) | 8    | 6 | 4 | 3       | 3    | 3 |
| 定格電圧(Vdc)<br>Rated Voltage                                                 | 6.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10                  | 16                                  | 25                                              | 35                  | 50                   |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| Z(−25℃)/Z(20℃)                                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                   | 2                                   | 2                                               | 2                   | 2                    |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |
| Z(−40℃)/Z(20℃)                                                             | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6                   | 4                                   | 3                                               | 3                   | 3                    |                                   |                                                          |        |                |                            |                                             |      |      |      |      |                |      |   |   |         |      |   |

◆リプル電流補正係数／  
MULTIPLIER FOR RIPPLE CURRENT

| 周波数 (Hz)<br>Frequency | 120  | 1k   | 10k  | 100k≤ |
|-----------------------|------|------|------|-------|
| 係数<br>Coefficient     |      |      |      |       |
| 22～33µF               | 0.42 | 0.70 | 0.90 | 1.00  |
| 56～270µF              | 0.50 | 0.73 | 0.92 | 1.00  |
| 330～680µF             | 0.55 | 0.77 | 0.94 | 1.00  |
| 820～1800µF            | 0.60 | 0.80 | 0.96 | 1.00  |
| 2200～18000µF          | 0.70 | 0.85 | 0.98 | 1.00  |

◆寸法図／DIMENSIONS



◆呼称方法／PART NUMBER

|                       |                 |                     |                                  |               |                         |                     |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|-------------------------|---------------------|
| □□□                   | YXG             | □□□□□               | M                                | □□□           | □□                      | D×L                 |
| 定格電圧<br>Rated Voltage | シリーズ名<br>Series | 静電容量<br>Capacitance | 静電容量許容差<br>Capacitance Tolerance | 副記号<br>Option | リード加工記号<br>Lead Forming | ケースサイズ<br>Case Size |

◆副記号／OPTION

|                    |                |
|--------------------|----------------|
| PETスリーブ PET Sleeve | 記号 Code<br>EFC |
|--------------------|----------------|

**◆標準品一覧表／STANDARD SIZE**

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>(μF) | 外形寸法<br>Size<br>φD×L(mm) | 定格リプル電流<br>Rated ripple current<br>(mA r.m.s./105°C, 100kHz) | インピーダンス(Ω MAX)<br>Impedance |               |
|--------------------------------|-----------------------------|--------------------------|--------------------------------------------------------------|-----------------------------|---------------|
|                                |                             |                          |                                                              | 20°C, 100kHz                | -10°C, 100kHz |
| 6.3                            | 150                         | 5×11                     | 210                                                          | 0.58                        | 2.3           |
|                                | 330                         | 6.3×11                   | 340                                                          | 0.22                        | 0.87          |
|                                | 680                         | 8×11.5                   | 640                                                          | 0.13                        | 0.52          |
|                                | 820                         | 10×12.5                  | 865                                                          | 0.080                       | 0.32          |
|                                | 1000                        | 8×16                     | 840                                                          | 0.087                       | 0.35          |
|                                | 1200                        | 8×20                     | 1050                                                         | 0.069                       | 0.27          |
|                                | 1200                        | 10×16                    | 1210                                                         | 0.060                       | 0.24          |
|                                | 1500                        | 10×20                    | 1400                                                         | 0.046                       | 0.18          |
|                                | 1800                        | 12.5×16                  | 1450                                                         | 0.049                       | 0.16          |
|                                | 2200                        | 10×23                    | 1650                                                         | 0.042                       | 0.17          |
|                                | 2700                        | 10×28                    | 1910                                                         | 0.031                       | 0.12          |
|                                | 2700                        | 16×16                    | 1940                                                         | 0.042                       | 0.12          |
|                                | 3300                        | 12.5×20                  | 1900                                                         | 0.035                       | 0.12          |
|                                | 3900                        | 12.5×25                  | 2230                                                         | 0.027                       | 0.089         |
|                                | 3900                        | 18×16                    | 2210                                                         | 0.043                       | 0.11          |
|                                | 4700                        | 12.5×30                  | 2650                                                         | 0.024                       | 0.078         |
|                                | 5600                        | 12.5×35                  | 2880                                                         | 0.020                       | 0.065         |
|                                | 5600                        | 16×20                    | 2530                                                         | 0.027                       | 0.078         |
|                                | 6800                        | 12.5×40                  | 3350                                                         | 0.017                       | 0.056         |
|                                | 6800                        | 16×25                    | 2930                                                         | 0.021                       | 0.060         |
|                                | 6800                        | 18×20                    | 2860                                                         | 0.026                       | 0.067         |
|                                | 8200                        | 16×31.5                  | 3450                                                         | 0.017                       | 0.050         |
|                                | 10000                       | 16×35.5                  | 3610                                                         | 0.015                       | 0.044         |
|                                | 10000                       | 18×25                    | 3140                                                         | 0.019                       | 0.049         |
| 10                             | 12000                       | 16×40                    | 4080                                                         | 0.013                       | 0.038         |
|                                | 12000                       | 18×31.5                  | 4170                                                         | 0.015                       | 0.040         |
|                                | 15000                       | 18×35.5                  | 4220                                                         | 0.014                       | 0.038         |
|                                | 18000                       | 18×40                    | 4280                                                         | 0.012                       | 0.032         |
|                                | 100                         | 5×11                     | 210                                                          | 0.58                        | 2.3           |
|                                | 220                         | 6.3×11                   | 340                                                          | 0.22                        | 0.87          |
|                                | 470                         | 8×11.5                   | 640                                                          | 0.13                        | 0.52          |
|                                | 680                         | 8×16                     | 840                                                          | 0.087                       | 0.35          |
|                                | 680                         | 10×12.5                  | 865                                                          | 0.080                       | 0.32          |
|                                | 1000                        | 8×20                     | 1050                                                         | 0.069                       | 0.27          |
|                                | 1000                        | 10×16                    | 1210                                                         | 0.060                       | 0.24          |
|                                | 1200                        | 10×20                    | 1400                                                         | 0.046                       | 0.18          |
|                                | 1500                        | 10×23                    | 1650                                                         | 0.042                       | 0.17          |
|                                | 1500                        | 12.5×16                  | 1450                                                         | 0.049                       | 0.16          |
|                                | 2200                        | 10×28                    | 1910                                                         | 0.031                       | 0.12          |
|                                | 2200                        | 12.5×20                  | 1900                                                         | 0.035                       | 0.12          |
|                                | 2200                        | 16×16                    | 1940                                                         | 0.042                       | 0.12          |
|                                | 2700                        | 18×16                    | 2210                                                         | 0.043                       | 0.11          |
|                                | 3300                        | 12.5×25                  | 2230                                                         | 0.027                       | 0.089         |
|                                | 3900                        | 12.5×30                  | 2650                                                         | 0.024                       | 0.078         |
|                                | 3900                        | 16×20                    | 2530                                                         | 0.027                       | 0.078         |
|                                | 4700                        | 12.5×35                  | 2880                                                         | 0.020                       | 0.065         |
|                                | 5600                        | 12.5×40                  | 3350                                                         | 0.017                       | 0.056         |
|                                | 5600                        | 16×25                    | 2930                                                         | 0.021                       | 0.060         |
|                                | 5600                        | 18×20                    | 2860                                                         | 0.026                       | 0.067         |
| 16                             | 6800                        | 16×31.5                  | 3450                                                         | 0.017                       | 0.050         |
|                                | 8200                        | 16×35.5                  | 3610                                                         | 0.015                       | 0.044         |
|                                | 10000                       | 18×25                    | 3140                                                         | 0.019                       | 0.049         |
|                                | 5600                        | 16×35.5                  | 3610                                                         | 0.015                       | 0.044         |
|                                | 5600                        | 18×31.5                  | 4170                                                         | 0.015                       | 0.040         |
|                                | 6800                        | 16×40                    | 4080                                                         | 0.013                       | 0.038         |
|                                | 8200                        | 18×35.5                  | 4220                                                         | 0.014                       | 0.038         |
|                                | 10000                       | 18×40                    | 4280                                                         | 0.012                       | 0.032         |
|                                | 47                          | 5×11                     | 210                                                          | 0.58                        | 2.3           |
|                                | 100                         | 6.3×11                   | 340                                                          | 0.22                        | 0.87          |
|                                | 220                         | 8×11.5                   | 640                                                          | 0.13                        | 0.52          |
|                                | 330                         | 8×16                     | 840                                                          | 0.087                       | 0.35          |
|                                | 330                         | 10×12.5                  | 865                                                          | 0.080                       | 0.32          |
|                                | 470                         | 8×20                     | 1050                                                         | 0.069                       | 0.27          |
|                                | 470                         | 10×16                    | 1210                                                         | 0.060                       | 0.24          |
|                                | 680                         | 10×20                    | 1400                                                         | 0.046                       | 0.18          |
|                                | 680                         | 12.5×16                  | 1450                                                         | 0.049                       | 0.16          |
|                                | 820                         | 10×23                    | 1650                                                         | 0.042                       | 0.17          |
|                                | 1000                        | 10×28                    | 1910                                                         | 0.031                       | 0.12          |
|                                | 1000                        | 12.5×20                  | 1900                                                         | 0.035                       | 0.12          |
|                                | 1000                        | 16×16                    | 1940                                                         | 0.042                       | 0.12          |
|                                | 1200                        | 18×16                    | 2210                                                         | 0.043                       | 0.11          |
|                                | 1500                        | 12.5×25                  | 2230                                                         | 0.027                       | 0.089         |
|                                | 1800                        | 12.5×30                  | 2650                                                         | 0.024                       | 0.078         |
|                                | 1800                        | 16×20                    | 2530                                                         | 0.027                       | 0.078         |
|                                | 2200                        | 12.5×35                  | 2880                                                         | 0.020                       | 0.065         |
|                                | 2200                        | 18×20                    | 2860                                                         | 0.026                       | 0.067         |
|                                | 2700                        | 12.5×40                  | 3350                                                         | 0.017                       | 0.056         |
| 25                             | 2700                        | 16×25                    | 2930                                                         | 0.021                       | 0.060         |
|                                | 3300                        | 16×31.5                  | 3450                                                         | 0.017                       | 0.050         |
|                                | 3300                        | 18×25                    | 3140                                                         | 0.019                       | 0.049         |
|                                | 3900                        | 16×35.5                  | 3610                                                         | 0.015                       | 0.044         |
|                                | 3900                        | 18×31.5                  | 4170                                                         | 0.015                       | 0.040         |
|                                | 4700                        | 16×40                    | 4080                                                         | 0.013                       | 0.038         |
|                                | 4700                        | 18×35.5                  | 4220                                                         | 0.014                       | 0.038         |
|                                | 5600                        | 18×40                    | 4280                                                         | 0.012                       | 0.032         |

**◆標準品一覧表／STANDARD SIZE**

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>(μF) | 外形寸法<br>Size<br>φD×L(mm) | 定格リプル電流<br>Rated ripple current<br>(mA r.m.s./105°C, 100kHz) | インピーダンス(Ω MAX)<br>Impedance |               |
|--------------------------------|-----------------------------|--------------------------|--------------------------------------------------------------|-----------------------------|---------------|
|                                |                             |                          |                                                              | 20°C, 100kHz                | +10°C, 100kHz |
| 35                             | 33                          | 5×11                     | 210                                                          | 0.58                        | 2.3           |
|                                | 56                          | 6.3×11                   | 340                                                          | 0.22                        | 0.87          |
|                                | 150                         | 8×11.5                   | 640                                                          | 0.13                        | 0.52          |
|                                | 220                         | 8×16                     | 840                                                          | 0.087                       | 0.35          |
|                                | 220                         | 10×12.5                  | 865                                                          | 0.080                       | 0.32          |
|                                | 270                         | 8×20                     | 1050                                                         | 0.069                       | 0.27          |
|                                | 330                         | 10×16                    | 1210                                                         | 0.060                       | 0.24          |
|                                | 470                         | 10×20                    | 1400                                                         | 0.046                       | 0.18          |
|                                | 470                         | 12.5×16                  | 1450                                                         | 0.049                       | 0.16          |
|                                | 560                         | 10×23                    | 1650                                                         | 0.042                       | 0.17          |
|                                | 680                         | 10×28                    | 1910                                                         | 0.031                       | 0.12          |
|                                | 680                         | 12.5×20                  | 1900                                                         | 0.035                       | 0.12          |
|                                | 680                         | 16×16                    | 1940                                                         | 0.042                       | 0.12          |
|                                | 1000                        | 12.5×25                  | 2230                                                         | 0.027                       | 0.089         |
|                                | 1000                        | 18×16                    | 2210                                                         | 0.043                       | 0.11          |
|                                | 1200                        | 12.5×30                  | 2650                                                         | 0.024                       | 0.078         |
|                                | 1200                        | 16×20                    | 2530                                                         | 0.027                       | 0.078         |
|                                | 1500                        | 12.5×35                  | 2880                                                         | 0.020                       | 0.065         |
|                                | 1800                        | 12.5×40                  | 3350                                                         | 0.017                       | 0.056         |
|                                | 1800                        | 16×25                    | 2930                                                         | 0.021                       | 0.060         |
|                                | 1800                        | 18×20                    | 2860                                                         | 0.026                       | 0.067         |
|                                | 2200                        | 16×31.5                  | 3450                                                         | 0.017                       | 0.050         |
|                                | 2200                        | 18×25                    | 3140                                                         | 0.019                       | 0.049         |
|                                | 2700                        | 16×35.5                  | 3610                                                         | 0.015                       | 0.044         |
|                                | 2700                        | 18×31.5                  | 4170                                                         | 0.015                       | 0.040         |
| 50                             | 3300                        | 16×40                    | 4080                                                         | 0.013                       | 0.038         |
|                                | 3300                        | 18×35.5                  | 4220                                                         | 0.014                       | 0.038         |
|                                | 3900                        | 18×40                    | 4280                                                         | 0.012                       | 0.032         |
|                                | 22                          | 5×11                     | 180                                                          | 0.70                        | 2.8           |
|                                | 56                          | 6.3×11                   | 295                                                          | 0.30                        | 1.2           |
|                                | 100                         | 8×11.5                   | 555                                                          | 0.17                        | 0.68          |
|                                | 120                         | 8×16                     | 730                                                          | 0.12                        | 0.48          |
|                                | 150                         | 10×12.5                  | 760                                                          | 0.12                        | 0.48          |
|                                | 180                         | 8×20                     | 910                                                          | 0.091                       | 0.36          |
|                                | 220                         | 10×16                    | 1050                                                         | 0.084                       | 0.34          |
|                                | 270                         | 10×20                    | 1220                                                         | 0.060                       | 0.24          |
|                                | 270                         | 12.5×16                  | 1260                                                         | 0.061                       | 0.20          |
|                                | 330                         | 10×23                    | 1440                                                         | 0.055                       | 0.22          |
|                                | 470                         | 10×28                    | 1690                                                         | 0.043                       | 0.17          |
|                                | 470                         | 12.5×20                  | 1660                                                         | 0.045                       | 0.15          |
|                                | 470                         | 16×16                    | 1690                                                         | 0.055                       | 0.17          |
|                                | 560                         | 12.5×25                  | 1950                                                         | 0.034                       | 0.11          |
|                                | 560                         | 18×16                    | 1930                                                         | 0.054                       | 0.15          |
|                                | 680                         | 12.5×30                  | 2310                                                         | 0.030                       | 0.10          |
|                                | 820                         | 12.5×35                  | 2510                                                         | 0.025                       | 0.083         |
|                                | 820                         | 16×20                    | 2210                                                         | 0.034                       | 0.10          |
|                                | 1000                        | 12.5×40                  | 2920                                                         | 0.021                       | 0.069         |
|                                | 1000                        | 16×25                    | 2555                                                         | 0.025                       | 0.075         |
|                                | 1000                        | 18×20                    | 2490                                                         | 0.036                       | 0.097         |
|                                | 1200                        | 16×31.5                  | 3010                                                         | 0.022                       | 0.066         |
|                                | 1200                        | 18×25                    | 2740                                                         | 0.026                       | 0.070         |
|                                | 1500                        | 16×35.5                  | 3150                                                         | 0.019                       | 0.057         |
|                                | 1800                        | 16×40                    | 3710                                                         | 0.016                       | 0.048         |
|                                | 1800                        | 18×31.5                  | 3635                                                         | 0.021                       | 0.057         |
|                                | 2200                        | 18×35.5                  | 3680                                                         | 0.017                       | 0.046         |
|                                | 2700                        | 18×40                    | 3800                                                         | 0.014                       | 0.038         |

**新規採用非推奨品**  
**NOT Recommended for new designs**