

# MANAC ST S PILE

| 呼び名    | 本体部<br>外 径<br>D1<br>(mm) | 拡張部<br>外 径<br>D2<br>(mm) | 種<br>類 | 厚 さ        |            |            |            | 拡張部<br>長 さ<br>L1<br>(mm) | テーパ部      |           | 杭長<br>(m) |
|--------|--------------------------|--------------------------|--------|------------|------------|------------|------------|--------------------------|-----------|-----------|-----------|
|        |                          |                          |        | S 1        |            | S 2        |            |                          | a<br>(mm) | b<br>(mm) |           |
|        |                          |                          |        | T1<br>(mm) | T2<br>(mm) | T1<br>(mm) | T2<br>(mm) |                          |           |           |           |
| 3540   | 350                      | 400                      | A      | 70         | 95         | -          | -          | 800                      | 25        | 100       | 5～13      |
|        |                          |                          | B      |            |            |            |            |                          |           |           | 5～15      |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 3545   | 350                      | 450                      | A      | 70         | 120        | -          | -          | 900                      | 50        | 100       | 5～13      |
|        |                          |                          | B      |            |            |            |            |                          |           |           | 5～15      |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 4045   | 400                      | 450                      | A      | 80         | 105        | -          | -          | 900                      | 25        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 4050   | 400                      | 500                      | A      | 80         | 130        | -          | -          | 1000                     | 50        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 4550   | 450                      | 500                      | A      | 80         | 105        | 90         | 115        | 1000                     | 25        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 4555   | 450                      | 550                      | A      | 80         | 130        | 90         | 140        | 1100                     | 50        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 5060   | 500                      | 600                      | A      | 90         | 140        | 100        | 150        | 1200                     | 50        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 6070   | 600                      | 700                      | A      | 105        | 155        | 120        | 170        | 1400                     | 50        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 7080   | 700                      | 800                      | A      | 120        | 170        | 140        | 190        | 1600                     | 50        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 8090   | 800                      | 900                      | A      | 135        | 185        | 160        | 210        | 1800                     | 50        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 80100  | 800                      | 1000                     | A      | 135        | 235        | 160        | 260        | 2000                     | 100       | 200       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 90100  | 900                      | 1000                     | A      | 140        | 190        | 160        | 210        | 2000                     | 50        | 100       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 90110  | 900                      | 1100                     | A      | 140        | 240        | 160        | 260        | 2200                     | 100       | 200       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |
| 100120 | 1000                     | 1200                     | A      | 145        | 245        | 160        | 260        | 2400                     | 100       | 200       | 5～15      |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |

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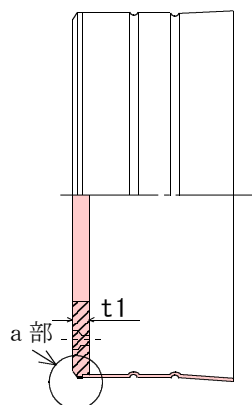
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本体部継手金具標準寸法表（単位：mm）

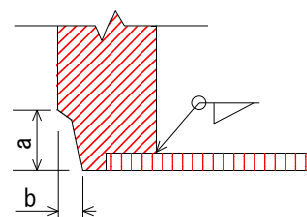
※ S 1 ・ S 2 共通

溶接金具標準構造図

| 名 称    | 本体部<br>外 径<br>D <sub>1</sub> | 拡張部<br>外 径<br>D <sub>2</sub> | 種 類 | 板 厚            | 開先部（本体部） |     | 開先部（拡張部） |     |
|--------|------------------------------|------------------------------|-----|----------------|----------|-----|----------|-----|
|        |                              |                              |     | t <sub>1</sub> | a        | b   | a        | b   |
| 3540   | 350                          | 400                          | A   | 12.0           | 8.5      | 3.8 | 9.5      | 4.0 |
|        |                              |                              | B   | 16.0           |          |     |          |     |
|        |                              |                              | C   | 19.0           |          |     |          |     |
| 3545   | 350                          | 450                          | A   | 12.0           | 8.5      | 3.8 | 10.0     | 4.2 |
|        |                              |                              | B   | 16.0           |          |     |          |     |
|        |                              |                              | C   | 19.0           |          |     |          |     |
| 4045   | 400                          | 450                          | A   | 12.0           | 9.5      | 4.0 | 10.0     | 4.2 |
|        |                              |                              | B   | 19.0           |          |     |          |     |
|        |                              |                              | C   | 22.0           |          |     |          |     |
| 4050   | 400                          | 500                          | A   | 12.0           | 9.5      | 4.0 | 11.0     | 4.4 |
|        |                              |                              | B   | 19.0           |          |     |          |     |
|        |                              |                              | C   | 22.0           |          |     |          |     |
| 4550   | 450                          | 500                          | A   | 12.0           | 10.0     | 4.2 | 11.0     | 4.4 |
|        |                              |                              | B   | 19.0           |          |     |          |     |
|        |                              |                              | C   | 22.0           |          |     |          |     |
| 4555   | 450                          | 550                          | A   | 12.0           | 10.0     | 4.2 | 11.5     | 4.6 |
|        |                              |                              | B   | 19.0           |          |     |          |     |
|        |                              |                              | C   | 22.0           |          |     |          |     |
| 5060   | 500                          | 600                          | A   | 16.0           | 11.0     | 4.4 | 12.0     | 4.7 |
|        |                              |                              | B   | 19.0           |          |     |          |     |
|        |                              |                              | C   | 22.0           |          |     |          |     |
| 6070   | 600                          | 700                          | A   | 16.0           | 12.0     | 4.7 | 13.0     | 4.9 |
|        |                              |                              | B   | 19.0           |          |     |          |     |
|        |                              |                              | C   | 22.0           |          |     |          |     |
| 7080   | 700                          | 800                          | A   | 22.0           | 13.0     | 4.9 | 14.0     | 5.2 |
|        |                              |                              | B   | 22.0           |          |     |          |     |
|        |                              |                              | C   | 25.0           |          |     |          |     |
| 8090   | 800                          | 900                          | A   | 22.0           | 14.0     | 5.2 | 15.0     | 5.5 |
|        |                              |                              | B   | 22.0           |          |     |          |     |
|        |                              |                              | C   | 25.0           |          |     |          |     |
| 80100  | 800                          | 1000                         | A   | 22.0           | 14.0     | 5.2 | 16.0     | 5.8 |
|        |                              |                              | B   | 22.0           |          |     |          |     |
|        |                              |                              | C   | 25.0           |          |     |          |     |
| 90100  | 900                          | 1000                         | A   | 22.0           | 15.0     | 5.5 | 16.0     | 5.8 |
|        |                              |                              | B   | 22.0           |          |     |          |     |
|        |                              |                              | C   | 25.0           |          |     |          |     |
| 90110  | 900                          | 1100                         | A   | 22.0           | 15.0     | 5.5 | 18.0     | 7.0 |
|        |                              |                              | B   | 25.0           |          |     |          |     |
|        |                              |                              | C   | 25.0           |          |     |          |     |
| 100120 | 1000                         | 1200                         | A   | 25.0           | 16.0     | 5.8 | 20.0     | 7.6 |
|        |                              |                              | B   | 28.0           |          |     |          |     |
|        |                              |                              | C   | 28.0           |          |     |          |     |



a 部詳細



# MANAC ST S PILE

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## 許容応力度

| 種類 | 有効フレストレス<br>(N/mm <sup>2</sup> ) | コンクリートの設計<br>基準強度 (N/mm <sup>2</sup> ) | 長期 (N/mm <sup>2</sup> ) |      |      | 短期 (N/mm <sup>2</sup> ) |      |      |
|----|----------------------------------|----------------------------------------|-------------------------|------|------|-------------------------|------|------|
|    |                                  |                                        | 圧縮                      | 曲げ引張 | 斜め引張 | 圧縮                      | 曲げ引張 | 斜め引張 |
| A  | 4                                | 85                                     | 24                      | 1.0  | 1.2  | 48                      | 2.0  | 1.8  |
| B  | 8                                | 85                                     | 24                      | 2.0  | 1.2  | 48                      | 4.0  | 1.8  |
| C  | 10                               | 85                                     | 24                      | 2.5  | 1.2  | 48                      | 5.0  | 1.8  |

## 設計用基礎数値

|        |                      |                            |                      |                       |             |                                     |
|--------|----------------------|----------------------------|----------------------|-----------------------|-------------|-------------------------------------|
| コンクリート | 設計基準強度 $\sigma_{cu}$ | 85N/mm <sup>2</sup>        | 曲げ引張強度 $\sigma_{tu}$ | 7.5N/mm <sup>2</sup>  | ヤング係数 $E_c$ | $4.0 \times 10^4$ N/mm <sup>2</sup> |
| PC鋼棒   | 規格                   | JIS G 3137 SBPDL 1275/1420 |                      |                       |             |                                     |
|        | 引張強度 $\sigma_{pu}$   | 1420N/mm <sup>2</sup>      | 降伏点応力度 $\sigma_{py}$ | 1275N/mm <sup>2</sup> | ヤング係数 $E_p$ | $2.0 \times 10^5$ N/mm <sup>2</sup> |

## 本体部標準性能表

※白枠はS1とし、灰枠はS2とする

| 名 称  | 外径<br>D <sub>1</sub><br>(mm) | 厚 さ<br>T <sub>1</sub><br>(mm) | 外径<br>D <sub>2</sub><br>(mm) | 厚 さ<br>T <sub>2</sub><br>(mm) | 長 さ<br>L<br>(m) | 断面積<br>A <sub>0</sub><br>(cm <sup>2</sup> ) | 種<br><br>類 | P C 鋼 棒        |                 |                                               | 換 算<br><br>断 面 積<br>A <sub>e</sub><br>(cm <sup>2</sup> ) | 換 算 断 面<br><br>二 次 耐 力<br>I <sub>e</sub><br>×10 <sup>6</sup> (mm <sup>4</sup> ) | 曲 げ 耐 力                             |                                  | せん 断<br><br>ひび割れ<br>Q <sub>cr</sub><br>(kN) |
|------|------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------|---------------------------------------------|------------|----------------|-----------------|-----------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------|----------------------------------|---------------------------------------------|
|      |                              |                               |                              |                               |                 |                                             |            | 径<br>φ<br>(mm) | 本 数<br>n<br>(本) | 断 面 積<br>A <sub>p</sub><br>(cm <sup>2</sup> ) |                                                          |                                                                                 | 曲げひび割れ<br>M <sub>cr</sub><br>(kN・m) | 終局曲げ<br>M <sub>u</sub><br>(kN・m) |                                             |
|      |                              |                               |                              |                               |                 |                                             |            |                |                 |                                               |                                                          |                                                                                 |                                     |                                  |                                             |
| 3540 | 350                          | 70                            | 400                          | 95                            | 5~13            | 615                                         | A S1       | 7.1            | 8               | 3.20                                          | 628                                                      | 655                                                                             | 43.4                                | 65.9                             | 139.1                                       |
|      |                              |                               |                              |                               | B S1            |                                             | 10.0       | 8              | 6.28            | 641                                           | 668                                                      | 58.7                                                                            | 114.0                               | 173.4                            |                                             |
|      |                              |                               |                              |                               | C S1            |                                             | 11.2       | 8              | 8.00            | 647                                           | 675                                                      | 66.0                                                                            | 137.1                               | 186.8                            |                                             |
| 3545 | 350                          | 70                            | 450                          | 5~13                          | 615             | A S1                                        | 7.1        | 8              | 3.20            | 628                                           | 655                                                      | 43.4                                                                            | 65.9                                | 139.1                            |                                             |
|      |                              |                               |                              | B S1                          |                 | 10.0                                        | 8          | 6.28           | 641             | 668                                           | 58.7                                                     | 114.0                                                                           | 173.4                               |                                  |                                             |
|      |                              |                               |                              | C S1                          |                 | 11.2                                        | 8          | 8.00           | 647             | 675                                           | 66.0                                                     | 137.1                                                                           | 186.8                               |                                  |                                             |
| 4045 | 400                          | 80                            | 450                          | 5~15                          | 804             | A S1                                        | 7.1        | 10             | 4.00            | 820                                           | 1,116                                                    | 64.6                                                                            | 95.0                                | 181.3                            |                                             |
|      |                              |                               |                              |                               |                 | B S1                                        | 11.2       | 10             | 10.00           | 844                                           | 1,150                                                    | 89.3                                                                            | 197.1                               | 228.0                            |                                             |
|      |                              |                               |                              |                               |                 | C S1                                        | 12.6       | 10             | 12.50           | 854                                           | 1,164                                                    | 102.0                                                                           | 232.6                               | 248.1                            |                                             |
| 4050 | 400                          | 80                            | 500                          | 5~15                          | 804             | A S1                                        | 7.1        | 10             | 4.00            | 820                                           | 1,116                                                    | 64.6                                                                            | 95.0                                | 181.3                            |                                             |
|      |                              |                               |                              |                               |                 | B S1                                        | 11.2       | 10             | 10.00           | 844                                           | 1,150                                                    | 89.3                                                                            | 197.1                               | 228.0                            |                                             |
|      |                              |                               |                              |                               |                 | C S1                                        | 12.6       | 10             | 12.50           | 854                                           | 1,164                                                    | 102.0                                                                           | 232.6                               | 248.1                            |                                             |
| 4550 | 450                          | 80                            | 500                          | 5~15                          | 929             | A S1                                        | 7.1        | 12             | 4.80            | 949                                           | 1,700                                                    | 86.9                                                                            | 129.1                               | 206.5                            |                                             |
|      |                              |                               |                              |                               |                 | B S1                                        | 11.2       | 12             | 12.00           | 977                                           | 1,752                                                    | 120.7                                                                           | 269.3                               | 260.6                            |                                             |
|      |                              |                               |                              |                               |                 | C S1                                        | 12.6       | 12             | 15.00           | 989                                           | 1,774                                                    | 138.0                                                                           | 317.8                               | 283.8                            |                                             |
| 4550 | 450                          | 90                            | 500                          | 5~15                          | 1,017           | A S2                                        | 7.1        | 12             | 4.80            | 1,037                                         | 1,786                                                    | 91.2                                                                            | 129.4                               | 227.9                            |                                             |
|      |                              |                               |                              |                               |                 | B S2                                        | 11.2       | 12             | 12.00           | 1,065                                         | 1,838                                                    | 126.6                                                                           | 270.6                               | 287.9                            |                                             |
|      |                              |                               |                              |                               |                 | C S2                                        | 12.6       | 12             | 15.00           | 1,077                                         | 1,860                                                    | 144.5                                                                           | 320.3                               | 313.4                            |                                             |
| 4555 | 450                          | 80                            | 550                          | 5~15                          | 929             | A S1                                        | 7.1        | 12             | 4.80            | 949                                           | 1,700                                                    | 86.9                                                                            | 129.1                               | 206.5                            |                                             |
|      |                              |                               |                              |                               |                 | B S1                                        | 11.2       | 12             | 12.00           | 977                                           | 1,752                                                    | 120.7                                                                           | 269.3                               | 260.6                            |                                             |
|      |                              |                               |                              |                               |                 | C S1                                        | 12.6       | 12             | 15.00           | 989                                           | 1,774                                                    | 138.0                                                                           | 317.8                               | 283.8                            |                                             |
| 4555 | 450                          | 90                            | 550                          | 5~15                          | 1,017           | A S2                                        | 7.1        | 12             | 4.80            | 1,037                                         | 1,786                                                    | 91.2                                                                            | 129.4                               | 227.9                            |                                             |
|      |                              |                               |                              |                               |                 | B S2                                        | 11.2       | 12             | 12.00           | 1,065                                         | 1,838                                                    | 126.6                                                                           | 270.6                               | 287.9                            |                                             |
|      |                              |                               |                              |                               |                 | C S2                                        | 12.6       | 12             | 15.00           | 1,077                                         | 1,860                                                    | 144.5                                                                           | 320.3                               | 313.4                            |                                             |
| 5060 | 500                          | 90                            | 600                          | 5~15                          | 1,159           | A S1                                        | 9.0        | 14             | 8.96            | 1,195                                         | 2,635                                                    | 121.3                                                                           | 247.7                               | 257.6                            |                                             |
|      |                              |                               |                              |                               |                 | B S1                                        | 11.2       | 14             | 14.00           | 1,215                                         | 2,682                                                    | 166.3                                                                           | 356.4                               | 325.1                            |                                             |
|      |                              |                               |                              |                               |                 | C S1                                        | 12.6       | 14             | 17.50           | 1,229                                         | 2,714                                                    | 190.1                                                                           | 422.1                               | 354.1                            |                                             |
| 5060 | 500                          | 100                           | 600                          | 5~15                          | 1,256           | A S2                                        | 9.0        | 14             | 8.96            | 1,292                                         | 2,752                                                    | 127.6                                                                           | 248.4                               | 283.6                            |                                             |
|      |                              |                               |                              |                               |                 | B S2                                        | 11.2       | 14             | 14.00           | 1,312                                         | 2,799                                                    | 173.6                                                                           | 357.8                               | 355.6                            |                                             |
|      |                              |                               |                              |                               |                 | C S2                                        | 12.6       | 14             | 17.50           | 1,326                                         | 2,831                                                    | 198.2                                                                           | 424.5                               | 387.2                            |                                             |
| 6070 | 600                          | 105                           | 700                          | 5~15                          | 1,632           | A S1                                        | 9.0        | 19             | 12.16           | 1,681                                         | 5,388                                                    | 206.6                                                                           | 409.3                               | 362.1                            |                                             |
|      |                              |                               |                              |                               |                 | B S1                                        | 11.2       | 19             | 19.00           | 1,708                                         | 5,481                                                    | 283.3                                                                           | 590.2                               | 457.0                            |                                             |
|      |                              |                               |                              |                               |                 | C S1                                        | 12.6       | 19             | 23.75           | 1,727                                         | 5,545                                                    | 323.6                                                                           | 700.3                               | 497.7                            |                                             |
| 6070 | 600                          | 120                           | 700                          | 5~15                          | 1,809           | A S2                                        | 9.0        | 19             | 12.16           | 1,857                                         | 5,699                                                    | 219.6                                                                           | 410.7                               | 407.4                            |                                             |
|      |                              |                               |                              |                               |                 | B S2                                        | 11.2       | 19             | 19.00           | 1,885                                         | 5,792                                                    | 298.7                                                                           | 592.8                               | 511.2                            |                                             |
|      |                              |                               |                              |                               |                 | C S2                                        | 12.6       | 19             | 23.75           | 1,904                                         | 5,856                                                    | 335.7                                                                           | 703.8                               | 550.8                            |                                             |
| 7080 | 700                          | 120                           | 800                          | 5~15                          | 2,185           | A S1                                        | 11.2       | 13             | 13.00           | 2,237                                         | 9,818                                                    | 322.7                                                                           | 534.6                               | 484.3                            |                                             |
|      |                              |                               |                              |                               |                 | B S1                                        | 11.2       | 26             | 26.00           | 2,289                                         | 10,052                                                   | 445.3                                                                           | 937.5                               | 611.1                            |                                             |
|      |                              |                               |                              |                               |                 | C S1                                        | 12.6       | 26             | 32.50           | 2,315                                         | 10,169                                                   | 508.7                                                                           | 1111.5                              | 665.6                            |                                             |
| 7080 | 700                          | 140                           | 800                          | 5~15                          | 2,462           | A S2                                        | 11.2       | 13             | 13.00           | 2,514                                         | 10,488                                                   | 346.7                                                                           | 536.5                               | 554.9                            |                                             |
|      |                              |                               |                              |                               |                 | B S2                                        | 11.2       | 26             | 26.00           | 2,566                                         | 10,722                                                   | 475.1                                                                           | 942.8                               | 697.0                            |                                             |
|      |                              |                               |                              |                               |                 | C S2                                        | 12.6       | 26             | 32.50           | 2,592                                         | 10,839                                                   | 533.8                                                                           | 1120.4                              | 750.9                            |                                             |

# MANAC ST S PILE

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## 本体部標準性能表

※白枠はS1とし、灰枠はS2とする

| 名称<br>(mm) | 外径<br>D <sub>1</sub><br>(mm) | 厚さ<br>T <sub>1</sub><br>(mm) | 外径<br>D <sub>2</sub><br>(mm) | 厚さ<br>T <sub>2</sub><br>(mm) | 長さ<br>L<br>(m) | 断面積<br>A <sub>0</sub><br>(cm <sup>2</sup> ) | 種<br>類 | P C 鋼 棒        |                 |                                               | 換 算<br>断 面 積<br>A <sub>e</sub><br>(cm <sup>2</sup> ) | 換 算 断 面<br>二 次 耐 力<br>I <sub>e</sub><br>×10 <sup>6</sup> (mm <sup>4</sup> ) | 曲 げ 耐 力                                |                                     | せん 断<br>ひ び 割 れ<br>Q <sub>cr</sub><br>(kN) |
|------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------|---------------------------------------------|--------|----------------|-----------------|-----------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------|-------------------------------------|--------------------------------------------|
|            | D <sub>1</sub><br>(mm)       | T <sub>1</sub><br>(mm)       | D <sub>2</sub><br>(mm)       | T <sub>2</sub><br>(mm)       | L<br>(m)       | A <sub>0</sub><br>(cm <sup>2</sup> )        |        | 径<br>φ<br>(mm) | 本 数<br>n<br>(本) | 断 面 積<br>A <sub>p</sub><br>(cm <sup>2</sup> ) | 断 面 積<br>A <sub>e</sub><br>(cm <sup>2</sup> )        | 二 次 耐 力<br>I <sub>e</sub><br>×10 <sup>6</sup> (mm <sup>4</sup> )            | 曲 げ び 割 れ<br>M <sub>cr</sub><br>(kN・m) | 終 局 曲 げ<br>M <sub>u</sub><br>(kN・m) | ひ び 割 れ<br>Q <sub>cr</sub><br>(kN)         |
| 8090       | 800                          | 135                          | 900                          | 185                          | 5~15           | 2,819                                       | A S1   | 11.2           | 17              | 17.00                                         | 2,887                                                | 16,642                                                                      | 478.7                                  | 801.3                               | 624.0                                      |
|            |                              |                              |                              |                              |                |                                             | B S1   | 11.2           | 34              | 34.00                                         | 2,955                                                | 17,058                                                                      | 661.3                                  | 1406.9                              | 787.5                                      |
|            |                              |                              |                              |                              |                |                                             | C S1   | 12.6           | 34              | 42.50                                         | 2,989                                                | 17,266                                                                      | 755.8                                  | 1668.1                              | 857.7                                      |
| 8090       | 800                          | 160                          | 900                          | 210                          | 5~15           | 3,215                                       | A S2   | 11.2           | 17              | 17.00                                         | 3,283                                                | 17,909                                                                      | 518.3                                  | 804.1                               | 725.0                                      |
|            |                              |                              |                              |                              |                |                                             | B S2   | 11.2           | 34              | 34.00                                         | 3,351                                                | 18,325                                                                      | 710.9                                  | 1415.2                              | 910.7                                      |
|            |                              |                              |                              |                              |                |                                             | C S2   | 12.6           | 34              | 42.50                                         | 3,385                                                | 18,533                                                                      | 799.2                                  | 1680.1                              | 981.2                                      |
| 80100      | 800                          | 135                          | 1000                         | 235                          | 5~15           | 2,819                                       | A S1   | 11.2           | 17              | 17.00                                         | 2,887                                                | 16,642                                                                      | 478.7                                  | 801.3                               | 624.0                                      |
|            |                              |                              |                              |                              |                |                                             | B S1   | 11.2           | 34              | 34.00                                         | 2,955                                                | 17,058                                                                      | 661.3                                  | 1406.9                              | 787.5                                      |
|            |                              |                              |                              |                              |                |                                             | C S1   | 12.6           | 34              | 42.50                                         | 2,989                                                | 17,266                                                                      | 755.8                                  | 1668.1                              | 857.7                                      |
| 80100      | 800                          | 160                          | 1000                         | 260                          | 5~15           | 3,215                                       | A S2   | 11.2           | 17              | 17.00                                         | 3,283                                                | 17,909                                                                      | 518.3                                  | 804.1                               | 725.0                                      |
|            |                              |                              |                              |                              |                |                                             | B S2   | 11.2           | 34              | 34.00                                         | 3,351                                                | 18,325                                                                      | 710.9                                  | 1415.2                              | 910.7                                      |
|            |                              |                              |                              |                              |                |                                             | C S2   | 12.6           | 34              | 42.50                                         | 3,385                                                | 18,533                                                                      | 799.2                                  | 1680.1                              | 981.2                                      |
| 90100      | 900                          | 140                          | 1000                         | 190                          | 5~15           | 3,341                                       | A S1   | 11.2           | 20              | 20.00                                         | 3,421                                                | 25,565                                                                      | 653.6                                  | 1071.8                              | 736.2                                      |
|            |                              |                              |                              |                              |                |                                             | B S1   | 11.2           | 40              | 40.00                                         | 3,501                                                | 26,189                                                                      | 902.5                                  | 1892.2                              | 929.1                                      |
|            |                              |                              |                              |                              |                |                                             | C S1   | 12.6           | 40              | 50.00                                         | 3,541                                                | 26,501                                                                      | 1031.1                                 | 2245.5                              | 1011.8                                     |
| 90100      | 900                          | 160                          | 1000                         | 210                          | 5~15           | 3,718                                       | A S2   | 11.2           | 20              | 20.00                                         | 3,798                                                | 27,262                                                                      | 696.5                                  | 1074.6                              | 825.3                                      |
|            |                              |                              |                              |                              |                |                                             | B S2   | 11.2           | 40              | 40.00                                         | 3,878                                                | 27,886                                                                      | 963.3                                  | 1902.2                              | 1044.0                                     |
|            |                              |                              |                              |                              |                |                                             | C S2   | 12.6           | 40              | 50.00                                         | 3,918                                                | 28,199                                                                      | 1089.2                                 | 2262.3                              | 1129.4                                     |
| 90110      | 900                          | 140                          | 1100                         | 240                          | 5~15           | 3,341                                       | A S1   | 11.2           | 20              | 20.00                                         | 3,421                                                | 25,565                                                                      | 653.6                                  | 1071.8                              | 736.2                                      |
|            |                              |                              |                              |                              |                |                                             | B S1   | 11.2           | 40              | 40.00                                         | 3,501                                                | 26,189                                                                      | 902.5                                  | 1892.2                              | 929.1                                      |
|            |                              |                              |                              |                              |                |                                             | C S1   | 12.6           | 40              | 50.00                                         | 3,541                                                | 26,501                                                                      | 1031.1                                 | 2245.5                              | 1011.8                                     |
| 90110      | 900                          | 160                          | 1100                         | 260                          | 5~15           | 3,718                                       | A S2   | 11.2           | 20              | 20.00                                         | 3,798                                                | 27,262                                                                      | 696.5                                  | 1074.6                              | 825.3                                      |
|            |                              |                              |                              |                              |                |                                             | B S2   | 11.2           | 40              | 40.00                                         | 3,878                                                | 27,886                                                                      | 963.3                                  | 1902.2                              | 1044.0                                     |
|            |                              |                              |                              |                              |                |                                             | C S2   | 12.6           | 40              | 50.00                                         | 3,918                                                | 28,199                                                                      | 1089.2                                 | 2262.3                              | 1129.4                                     |
| 100<br>120 | 1000                         | 145                          | 1200                         | 245                          | 5~15           | 3,893                                       | A S1   | 11.2           | 24              | 24.00                                         | 3,989                                                | 37,525                                                                      | 863.5                                  | 1433.8                              | 855.0                                      |
|            |                              |                              |                              |                              |                |                                             | B S1   | 11.2           | 48              | 48.00                                         | 4,085                                                | 38,454                                                                      | 1192.6                                 | 2533.7                              | 1078.9                                     |
|            |                              |                              |                              |                              |                |                                             | C S1   | 12.6           | 48              | 60.00                                         | 4,133                                                | 38,919                                                                      | 1362.8                                 | 3004.7                              | 1175.0                                     |
| 100<br>120 | 1000                         | 160                          | 1200                         | 260                          | 5~15           | 4,220                                       | A S2   | 11.2           | 24              | 24.00                                         | 4,316                                                | 39,502                                                                      | 920.7                                  | 1436.5                              | 941.4                                      |
|            |                              |                              |                              |                              |                |                                             | B S2   | 11.2           | 48              | 48.00                                         | 4,412                                                | 40,431                                                                      | 1257.1                                 | 2545.7                              | 1177.4                                     |
|            |                              |                              |                              |                              |                |                                             | C S2   | 12.6           | 48              | 60.00                                         | 4,460                                                | 40,896                                                                      | 1435.2                                 | 3026.3                              | 1281.9                                     |

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