

# MANAC HB 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<br>部  |           | 杭長<br>(m) | 溝 部       |           |           |            |
|--------|--------------------------|--------------------------|--------|------------|------------|------------|------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
|        |                          |                          |        | S 1        |            | S 2        |            |                          | a<br>(mm) | b<br>(mm) |           | B<br>(mm) | H<br>(mm) | h<br>(mm) | L2<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      | 20        | 65        | 4         | 300        |
|        |                          |                          | B      |            |            |            |            |                          |           |           | 5~15      |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 4050   | 400                      | 500                      | A      | 80         | 130        | -          | -          | 1000                     | 50        | 100       | 5~15      | 25        | 80        | 5         | 370        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 4555   | 450                      | 550                      | A      | 80         | 130        | 90         | 140        | 1100                     | 50        | 100       | 5~15      | 25        | 90        | 5         | 400        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 5060   | 500                      | 600                      | A      | 90         | 140        | 100        | 150        | 1200                     | 50        | 100       | 5~15      | 30        | 95        | 6         | 450        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 6070   | 600                      | 700                      | A      | 105        | 155        | 120        | 170        | 1400                     | 50        | 100       | 5~15      | 30        | 110       | 6         | 500        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 7080   | 700                      | 800                      | A      | 120        | 170        | 140        | 190        | 1600                     | 50        | 100       | 5~15      | 35        | 130       | 7         | 600        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 8095   | 800                      | 950                      | A      | 135        | 210        | 160        | 235        | 1900                     | 75        | 150       | 5~15      | 45        | 150       | 9         | 700        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 80100  | 800                      | 1000                     | A      | 135        | 235        | 160        | 260        | 2000                     | 100       | 200       | 5~15      | 45        | 160       | 9         | 750        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 90100  | 900                      | 1000                     | A      | 140        | 190        | 160        | 210        | 2000                     | 50        | 100       | 5~15      | 45        | 160       | 9         | 750        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 90110  | 900                      | 1100                     | A      | 140        | 240        | 160        | 260        | 2200                     | 100       | 200       | 5~15      | 50        | 175       | 10        | 800        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |
| 100120 | 1000                     | 1200                     | A      | 145        | 245        | 160        | 260        | 2400                     | 100       | 200       | 5~15      | 55        | 190       | 10        | 900        |
|        |                          |                          | B      |            |            |            |            |                          |           |           |           |           |           |           |            |
|        |                          |                          | C      |            |            |            |            |                          |           |           |           |           |           |           |            |

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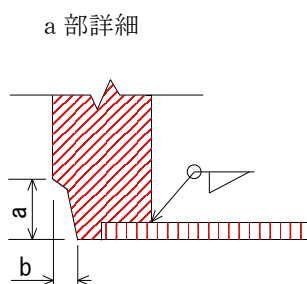
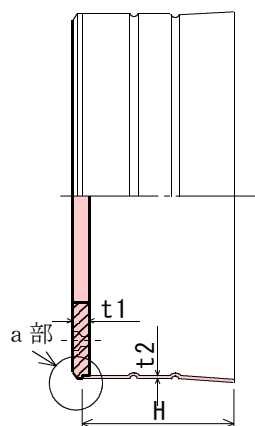
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本体部継手金具標準寸法表 (単位: mm)

※ S 1 ・ S 2 共通

| 名 称    | 本体部<br>外 径<br>$D_1$ | 拡径部<br>外 径<br>$D_2$ | 種 類 | 板 厚   | 開 先 部 |     | スカー ト 部 |          |
|--------|---------------------|---------------------|-----|-------|-------|-----|---------|----------|
|        |                     |                     |     | $t_1$ | a     | b   | 幅 H     | 厚さ $t_2$ |
| 3540   | 350                 | 400                 | A   | 12.0  | 8.5   | 3.8 | 100     | 1.6      |
|        |                     |                     | B   | 16.0  |       |     |         |          |
|        |                     |                     | C   | 19.0  |       |     |         |          |
| 4050   | 400                 | 500                 | A   | 12.0  | 9.5   | 4.0 | 100     | 1.6      |
|        |                     |                     | B   | 19.0  |       |     |         |          |
|        |                     |                     | C   | 22.0  |       |     |         |          |
| 4555   | 450                 | 550                 | A   | 12.0  | 10.0  | 4.2 | 150     | 1.6      |
|        |                     |                     | B   | 19.0  |       |     |         |          |
|        |                     |                     | C   | 22.0  |       |     |         |          |
| 5060   | 500                 | 600                 | A   | 16.0  | 11.0  | 4.4 | 150     | 1.6      |
|        |                     |                     | B   | 19.0  |       |     |         |          |
|        |                     |                     | C   | 22.0  |       |     |         |          |
| 6070   | 600                 | 700                 | A   | 16.0  | 12.0  | 4.7 | 150     | 1.6      |
|        |                     |                     | B   | 19.0  |       |     |         |          |
|        |                     |                     | C   | 22.0  |       |     |         |          |
| 7080   | 700                 | 800                 | A   | 22.0  | 13.0  | 4.9 | 200     | 2.3      |
|        |                     |                     | B   | 22.0  |       |     |         |          |
|        |                     |                     | C   | 25.0  |       |     |         |          |
| 8095   | 800                 | 950                 | A   | 22.0  | 14.0  | 5.2 | 200     | 2.3      |
|        |                     |                     | B   | 22.0  |       |     |         |          |
|        |                     |                     | C   | 25.0  |       |     |         |          |
| 80100  | 800                 | 1000                | A   | 22.0  | 14.0  | 5.2 | 200     | 2.3      |
|        |                     |                     | B   | 22.0  |       |     |         |          |
|        |                     |                     | C   | 25.0  |       |     |         |          |
| 90100  | 900                 | 1000                | A   | 22.0  | 15.0  | 5.5 | 250     | 3.2      |
|        |                     |                     | B   | 22.0  |       |     |         |          |
|        |                     |                     | C   | 25.0  |       |     |         |          |
| 90110  | 900                 | 1100                | A   | 22.0  | 15.0  | 5.5 | 300     | 3.2      |
|        |                     |                     | B   | 22.0  |       |     |         |          |
|        |                     |                     | C   | 25.0  |       |     |         |          |
| 100120 | 1000                | 1200                | A   | 25.0  | 16.0  | 5.8 | 300     | 3.2      |
|        |                     |                     | B   | 28.0  |       |     |         |          |
|        |                     |                     | C   | 28.0  |       |     |         |          |

溶接金具標準構造図



# MANAC HB SPILE

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HB SPILE

## 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            | 厚 さ            | 外 径            | 厚 さ            | 長 さ  | 断面積                | 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) |
|------|----------------|----------------|----------------|----------------|------|--------------------|------------|---------|----------|-------------------------|----------------------------------------------------------|------------------------------------------------------------------------------|---------------------------|------------|---------------------------------------------|
|      | D <sub>1</sub> | T <sub>1</sub> | D <sub>2</sub> | T <sub>2</sub> | L    | A <sub>0</sub>     |            | 径<br>φ  | 本 数<br>n | 断 面 積<br>A <sub>p</sub> |                                                          |                                                                              | 曲げひび割れ<br>M <sub>cr</sub> | 終局曲げ<br>Mu |                                             |
|      | (mm)           | (mm)           | (mm)           | (mm)           | (m)  | (cm <sup>2</sup> ) |            | (mm)    | (本)      | (cm <sup>2</sup> )      |                                                          |                                                                              | (kN・m)                    | (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                                       |
|      |                |                |                |                | 5~15 |                    | 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                                       |
| 4050 | 400            | 80             | 500            | 130            | 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      |                                             |
| 4555 | 450            | 80             | 550            | 130            | 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            | 140            | 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            | 140            | 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            | 150            | 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            | 155            | 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            | 170            | 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            | 170            | 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            | 190            | 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 HB S PILE



## 本体部標準性能表

※白杵はS1とし、灰杵はS2とする

| 名称     | 外径                     | 厚さ                     | 外径                     | 厚さ                     | 長さ       | 断面積                                  | 種<br>類 | P C 鋼 棒        |                 |                                               | 換 算                                           | 換 算 断 面                                                       | 曲 げ 耐 力                             |                                  | せん 断                            |
|--------|------------------------|------------------------|------------------------|------------------------|----------|--------------------------------------|--------|----------------|-----------------|-----------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|-------------------------------------|----------------------------------|---------------------------------|
|        | 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> ) | 曲げひび割れ<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) |
| 8095   | 800                    | 135                    | 950                    | 210                    | 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                           |
| 8095   | 800                    | 160                    | 950                    | 235                    | 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                          |
| 100120 | 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                          |
| 100120 | 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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