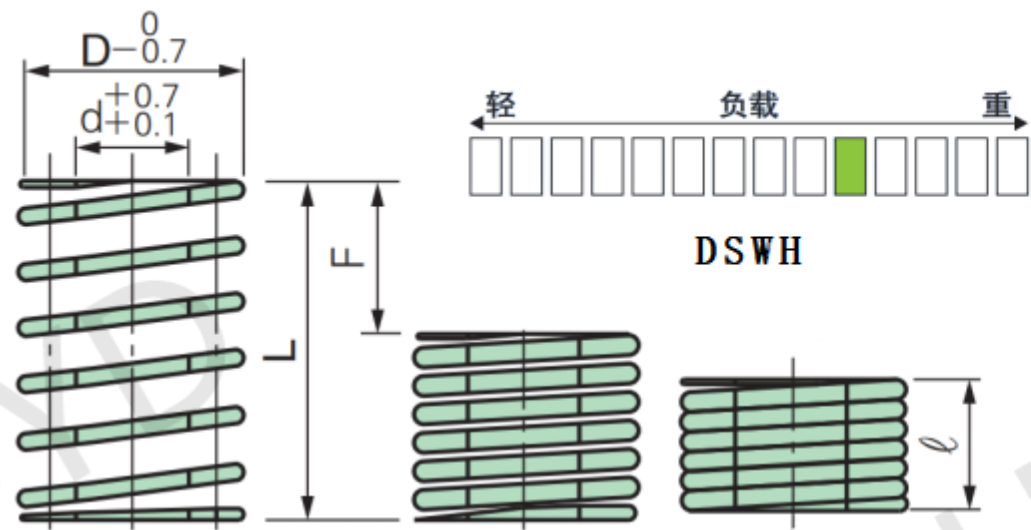




Outer diameter tolerance:  $-0.7 \sim 0 \text{ mm}$  when  $D=6 \sim 60$ ;

$D=70, -1.0 \sim 0 \text{ mm}$

Inner diameter tolerance:  $d+0.1 \sim +0.7 \text{ mm}$

Load tolerance:  $\pm 10\%$

Verticality: below  $2^\circ$

Free length tolerance:  $\pm 0.5 \text{ mm}$  when  $L \leq 50$ ;  $L \geq 55, 1\%$

Winding direction: Right winding

Type: DSW H 25 - 50

→ Rectangular spring length "L"

→ Outer diameter of rectangular spring "D"

→ Rectangular spring color code

Rectangular helical spring



| D                 | d           | L    | Spring constant | Limit deformation | F=L*40% |               | F=L*45% |               | F=L*50% |               | Catalog No. |    |   |               |      |    |   |    |
|-------------------|-------------|------|-----------------|-------------------|---------|---------------|---------|---------------|---------|---------------|-------------|----|---|---------------|------|----|---|----|
|                   |             |      | N/mm [kgf/mm]   | ℓ min             | Fmm     | N (kgf)       | Fmm     | N (kgf)       | Fmm     | N (kgf)       | Type        | D  | - | L             |      |    |   |    |
| Frequency of use: |             |      |                 |                   | 1000000 | times         | 500,000 | times         | 300,000 | times         |             |    |   |               |      |    |   |    |
| 6                 | 3           | 15   | 38.1 {3.9}      | 11                | 2.9     | 110<br>(11)   | 3.2     | 123<br>(13)   | 3.6     | 137<br>(14)   | DSWH        | 6  | - | 15            |      |    |   |    |
|                   |             | 20   | 28.5 {2.9}      | 14.7              | 3.8     |               | 4.3     |               | 4.8     |               | 20          |    |   |               |      |    |   |    |
|                   |             | 25   | 22.8 {2.3}      | 18.4              | 4.8     |               | 5.4     |               | 6       |               | 25          |    |   |               |      |    |   |    |
|                   |             | 30   | 19.0 {1.9}      | 22                | 5.8     |               | 6.5     |               | 7.2     |               | 30          |    |   |               |      |    |   |    |
|                   |             | 35   | 16.3 {1.7}      | 25.7              | 6.7     |               | 7.6     |               | 8.4     |               | 35          |    |   |               |      |    |   |    |
|                   |             | 40   | 14.3 {1.5}      | 29.4              | 7.7     |               | 8.6     |               | 9.6     |               | 40          |    |   |               |      |    |   |    |
|                   |             | 45   | 12.7 {1.3}      | 33                | 8.6     |               | 9.7     |               | 10.8    |               | 45          |    |   |               |      |    |   |    |
|                   |             | 50   | 11.4 {1.2}      | 36.7              | 9.6     |               | 10.8    |               | 12      |               | 50          |    |   |               |      |    |   |    |
|                   |             | 55   | 10.4 {1.1}      | 40.4              | 10.6    |               | 11.9    |               | 13.2    |               | 55          |    |   |               |      |    |   |    |
|                   |             | 60   | 9.5 {1.0}       | 44                | 11.5    |               | 13      |               | 14.4    |               | 60          |    |   |               |      |    |   |    |
| 8                 | 4           | 10   | 85.8 {8.8}      | 7.4               | 1.9     | 165<br>(17)   | 2.2     | 185<br>(19)   | 2.4     | 206<br>(21)   | DSWH        | 8  | — | 10            |      |    |   |    |
|                   |             | 15   | 57.2 {5.8}      | 10.8              | 2.9     |               | 3.2     |               | 3.6     |               |             |    |   | 15            |      |    |   |    |
|                   |             | 20   | 42.9 {4.4}      | 14.4              | 3.8     |               | 4.3     |               | 4.8     |               |             |    |   | 20            |      |    |   |    |
|                   |             | 25   | 34.3 {3.5}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   | 25            |      |    |   |    |
|                   |             | 30   | 28.6 {2.9}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   | 30            |      |    |   |    |
|                   |             | 35   | 24.5 {2.5}      | 25.2              | 6.7     |               | 7.5     |               | 8.4     |               |             |    |   | 35            |      |    |   |    |
|                   |             | 40   | 21.5 {2.2}      | 28.8              | 7.7     |               | 8.6     |               | 9.6     |               |             |    |   | 40            |      |    |   |    |
|                   |             | 45   | 19.1 {1.9}      | 32.4              | 8.6     |               | 9.7     |               | 10.8    |               |             |    |   | 45            |      |    |   |    |
|                   |             | 50   | 17.2 {1.8}      | 36                | 9.6     |               | 10.8    |               | 12      |               |             |    |   | 50            |      |    |   |    |
|                   |             | 55   | 15.6 {1.6}      | 39.6              | 10.6    |               | 11.8    |               | 13.2    |               |             |    |   | 55            |      |    |   |    |
| 10                | 5           | 60   | 14.3 {1.5}      | 43.2              | 11.5    | 235<br>(24)   | 13      | 265<br>(27)   | 14.4    | 337<br>(34)   | DSWH        | 10 | — | 60            |      |    |   |    |
|                   |             | 65   | 13.2 {1.3}      | 47.7              | 12.5    |               | 14      |               | 15.6    |               |             |    |   | 65            |      |    |   |    |
|                   |             | 70   | 12.3 {1.3}      | 51.4              | 13.4    |               | 15.1    |               | 16.8    |               |             |    |   | 70            |      |    |   |    |
|                   |             | 75   | 11.4 {1.2}      | 55.1              | 14.4    |               | 16.2    |               | 18      |               |             |    |   | 75            |      |    |   |    |
|                   |             | 80   | 10.7 {1.1}      | 58.7              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 10   | 123 {12.5}      | 7.4               | 1.9     |               | 2.2     |               | 2.4     |               |             |    |   | 421<br>(43)   | DSWH | 12 | — | 10 |
|                   |             | 15   | 81.7 {8.3}      | 11                | 2.9     |               | 3.2     |               | 3.6     |               |             |    |   |               |      |    |   | 15 |
|                   |             | 20   | 61.3 {6.3}      | 14.4              | 3.8     |               | 4.3     |               | 4.8     |               |             |    |   |               |      |    |   | 20 |
|                   |             | 25   | 49.0 {5.0}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   |               |      |    |   | 25 |
|                   |             | 30   | 40.8 {4.2}      | 21.6              | 21.6    |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
| 35                | 35.0 {3.6}  | 25.2 | 25.2            | 7.5               | 8.4     | 35            |         |               |         |               |             |    |   |               |      |    |   |    |
| 40                | 30.6 {3.1}  | 28.8 | 28.8            | 8.6               | 9.6     | 40            |         |               |         |               |             |    |   |               |      |    |   |    |
| 45                | 27.2 {2.8}  | 32.4 | 32.4            | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 24.5 {2.5}  | 36   | 36              | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 22.3 {2.3}  | 39.6 | 39.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 12                | 6           | 60   | 20.4 {2.1}      | 43.2              | 43.2    | 462<br>(47)   | 13      | 379<br>(38)   | 14.4    | 421<br>(43)   | DSWH        | 14 | — | 60            |      |    |   |    |
|                   |             | 65   | 18.8 {1.9}      | 46.8              | 46.8    |               | 14      |               | 15.6    |               |             |    |   | 65            |      |    |   |    |
|                   |             | 70   | 17.5 {1.8}      | 50.4              | 50.4    |               | 15.1    |               | 16.8    |               |             |    |   | 70            |      |    |   |    |
|                   |             | 75   | 16.3 {1.7}      | 54                | 54      |               | 16.2    |               | 18      |               |             |    |   | 75            |      |    |   |    |
|                   |             | 80   | 15.3 {1.6}      | 57.6              | 57.6    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 13.6 {1.4}      | 64.8              | 64.8    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 15   | 117 {11.9}      | 11                | 2.9     |               | 3.2     |               | 3.6     |               |             |    |   | 578<br>(59)   | DSWH | 16 | — | 15 |
|                   |             | 20   | 87.7 {8.9}      | 14.4              | 3.8     |               | 4.3     |               | 4.8     |               |             |    |   |               |      |    |   | 20 |
|                   |             | 25   | 70.2 {7.2}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   |               |      |    |   | 25 |
|                   |             | 30   | 58.5 {6.0}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
| 35                | 50.1 {5.1}  | 25.2 | 6.7             | 7.5               | 8.4     | 35            |         |               |         |               |             |    |   |               |      |    |   |    |
| 40                | 43.9 {4.5}  | 28.8 | 7.7             | 8.6               | 9.6     | 40            |         |               |         |               |             |    |   |               |      |    |   |    |
| 45                | 39.0 {4.0}  | 32.4 | 8.6             | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 35.1 {3.6}  | 36   | 9.6             | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 31.9 {3.3}  | 39.6 | 10.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 60                | 29.2 {3.0}  | 43.2 | 11.5            | 13                | 14.4    | 60            |         |               |         |               |             |    |   |               |      |    |   |    |
| 14                | 7           | 65   | 27.0 {2.8}      | 46.8              | 12.5    | 462<br>(47)   | 14      | 520<br>(53)   | 15.6    | 578<br>(59)   | DSWH        | 18 | — | 65            |      |    |   |    |
|                   |             | 70   | 25.1 {2.6}      | 50.4              | 13.4    |               | 15.1    |               | 16.8    |               |             |    |   | 70            |      |    |   |    |
|                   |             | 75   | 23.4 {2.4}      | 54                | 14.4    |               | 16.2    |               | 18      |               |             |    |   | 75            |      |    |   |    |
|                   |             | 80   | 21.9 {2.2}      | 57.6              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 19.5 {2.0}      | 64.8              | 17.3    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 20   | 120 {12.3}      | 14.7              | 3.8     |               | 4.3     |               | 4.8     |               |             |    |   | 755<br>(77)   | DSWH | 20 | — | 20 |
|                   |             | 25   | 96.3 {9.8}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   |               |      |    |   | 25 |
|                   |             | 30   | 80.3 {8.2}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
|                   |             | 35   | 68.8 {7.0}      | 25.2              | 6.7     |               | 7.5     |               | 8.4     |               |             |    |   |               |      |    |   | 35 |
|                   |             | 40   | 60.2 {6.1}      | 28.8              | 7.7     |               | 8.6     |               | 9.6     |               |             |    |   |               |      |    |   | 40 |
| 45                | 53.5 {5.5}  | 32.4 | 8.6             | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 48.2 {4.9}  | 36   | 9.6             | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 43.8 {4.5}  | 39.6 | 10.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 60                | 40.1 {4.1}  | 43.2 | 11.5            | 13                | 14.4    | 60            |         |               |         |               |             |    |   |               |      |    |   |    |
| 16                | 8           | 65   | 37.1 {3.8}      | 46.8              | 12.5    | 462<br>(47)   | 14      | 520<br>(53)   | 15.6    | 578<br>(59)   | DSWH        | 22 | — |               |      |    |   | 65 |
|                   |             | 70   | 34.4 {3.5}      | 50.4              | 13.4    |               | 15.1    |               | 16.8    |               |             |    |   | 70            |      |    |   |    |
|                   |             | 75   | 32.1 {3.3}      | 54                | 14.4    |               | 16.2    |               | 18      |               |             |    |   | 75            |      |    |   |    |
|                   |             | 80   | 30.1 {3.1}      | 57.6              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 26.8 {2.7}      | 64.8              | 17.3    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 100  | 24.1 {2.5}      | 72                | 19.2    |               | 21.6    |               | 24      |               |             |    |   | 100           |      |    |   |    |
|                   |             | 20   | 157 {16.0}      | 14.7              | 3.8     |               | 4.3     |               | 4.8     |               |             |    |   | 755<br>(77)   | DSWH | 24 | — | 20 |
|                   |             | 25   | 126 {12.8}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   |               |      |    |   | 25 |
|                   |             | 30   | 105 {10.7}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
|                   |             | 35   | 89.9 {9.2}      | 25.2              | 6.7     |               | 7.5     |               | 8.4     |               |             |    |   |               |      |    |   | 35 |
| 40                | 78.6 {8.0}  | 28.8 | 7.7             | 8.6               | 9.6     | 40            |         |               |         |               |             |    |   |               |      |    |   |    |
| 45                | 69.9 {7.1}  | 32.4 | 8.6             | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 62.9 {6.4}  | 36   | 9.6             | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 57.2 {5.8}  | 39.6 | 10.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 60                | 52.4 {5.3}  | 43.2 | 11.5            | 13                | 14.4    | 60            |         |               |         |               |             |    |   |               |      |    |   |    |
| 65                | 48.4 {4.9}  | 46.8 | 12.5            | 14                | 15.6    | 65            |         |               |         |               |             |    |   |               |      |    |   |    |
| 18                | 9           | 70   | 44.9 {4.6}      | 50.4              | 13.4    | 761<br>(78)   | 15.1    | 520<br>(53)   | 16.8    | 578<br>(59)   | DSWH        | 26 | — | 70            |      |    |   |    |
|                   |             | 75   | 41.9 {4.3}      | 54                | 14.4    |               | 16.2    |               | 18      |               |             |    |   | 75            |      |    |   |    |
|                   |             | 80   | 39.3 {4.0}      | 57.6              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 35.0 {3.6}      | 64.8              | 17.3    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 100  | 31.5 {3.2}      | 72                | 19.2    |               | 21.6    |               | 24      |               |             |    |   | 100           |      |    |   |    |
|                   |             | 20   | 198 {20.2}      | 14.7              | 3.8     |               | 4.3     |               | 4.8     |               |             |    |   | 951<br>(97)   | DSWH | 28 | — | 20 |
|                   |             | 25   | 159 {16.2}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   |               |      |    |   | 25 |
|                   |             | 30   | 132 {13.5}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
|                   |             | 35   | 113 {11.5}      | 25.2              | 6.7     |               | 7.5     |               | 8.4     |               |             |    |   |               |      |    |   | 35 |
|                   |             | 40   | 99.1 {10.1}     | 28.8              | 7.7     |               | 8.6     |               | 9.6     |               |             |    |   |               |      |    |   | 40 |
| 45                | 88.1 {9.0}  | 32.4 | 8.6             | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 79.3 {8.1}  | 36   | 9.6             | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 72.0 {7.3}  | 39.6 | 10.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 60                | 66.0 {6.7}  | 43.2 | 11.5            | 13                | 14.4    | 60            |         |               |         |               |             |    |   |               |      |    |   |    |
| 65                | 61.0 {6.2}  | 46.8 | 12.5            | 14                | 15.6    | 65            |         |               |         |               |             |    |   |               |      |    |   |    |
| 20                | 10          | 70   | 56.6 {5.8}      | 50.4              | 13.4    | 941<br>(96)   | 15.1    | 1058<br>(108) | 16.8    | 1176<br>(120) | DSWH        | 30 | — | 70            |      |    |   |    |
|                   |             | 75   | 52.8 {5.4}      | 54                | 14.4    |               | 16.2    |               | 18      |               |             |    |   | 75            |      |    |   |    |
|                   |             | 80   | 49.5 {5.1}      | 57.6              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 44.0 {4.5}      | 64.8              | 17.3    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 100  | 39.6 {4.0}      | 72                | 19.2    |               | 21.6    |               | 24      |               |             |    |   | 100           |      |    |   |    |
|                   |             | 20   | 245 {25.0}      | 14.7              | 3.8     |               | 4.3     |               | 4.8     |               |             |    |   | 1176<br>(120) | DSWH | 32 | — | 20 |
|                   |             | 25   | 196 {20.0}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   |               |      |    |   | 25 |
|                   |             | 30   | 163 {16.7}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
|                   |             | 35   | 140 {14.3}      | 25.2              | 6.7     |               | 7.5     |               | 8.4     |               |             |    |   |               |      |    |   | 35 |
|                   |             | 40   | 123 {12.5}      | 28.8              | 7.7     |               | 8.6     |               | 9.6     |               |             |    |   |               |      |    |   | 40 |
| 45                | 109 {11.1}  | 32.4 | 8.6             | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 98 {10.0}   | 36   | 9.6             | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 89.1 {9.1}  | 39.6 | 10.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 60                | 81.7 {8.3}  | 43.2 | 11.5            | 13                | 14.4    | 60            |         |               |         |               |             |    |   |               |      |    |   |    |
| 65                | 75.4 {7.7}  | 46.8 | 12.5            | 14                | 15.6    | 65            |         |               |         |               |             |    |   |               |      |    |   |    |
| 22                | 11          | 70   | 70.0 {7.1}      | 50.4              | 13.4    | 1137<br>(116) | 15.1    | 1058<br>(108) | 16.8    | 1176<br>(120) | DSWH        | 34 | — | 70            |      |    |   |    |
|                   |             | 75   | 65.3 {6.7}      | 54                | 14.4    |               | 16.2    |               | 18      |               |             |    |   | 75            |      |    |   |    |
|                   |             | 80   | 61.3 {6.2}      | 57.6              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 54.4 {5.6}      | 64.8              | 17.3    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 100  | 49.0 {5.0}      | 72                | 19.2    |               | 21.6    |               | 24      |               |             |    |   | 100           |      |    |   |    |
|                   |             | 125  | 39.2 {4.0}      | 90                | 24      |               | 27      |               | 30      |               |             |    |   | 125           |      |    |   |    |
|                   |             | 150  | 32.7 {3.3}      | 108               | 28.8    |               | 32.4    |               | 36      |               |             |    |   | 150           |      |    |   |    |
|                   |             | 25   | 237 {24.2}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   | 1421<br>(145) | DSWH | 36 | — | 25 |
|                   |             | 30   | 197 {20.1}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
|                   |             | 35   | 169 {17.3}      | 25.2              | 6.7     |               | 7.5     |               | 8.4     |               |             |    |   |               |      |    |   | 35 |
| 40                | 148 {15.1}  | 28.8 | 7.7             | 8.6               | 9.6     | 40            |         |               |         |               |             |    |   |               |      |    |   |    |
| 45                | 132 {13.4}  | 32.4 | 8.6             | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 118 {12.1}  | 36   | 9.6             | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 108 {11.0}  | 39.6 | 10.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 60                | 98.7 {10.1} | 43.2 | 11.5            | 13                | 14.4    | 60            |         |               |         |               |             |    |   |               |      |    |   |    |
| 65                | 91.1 {9.3}  | 46.8 | 12.5            | 14                | 15.6    | 65            |         |               |         |               |             |    |   |               |      |    |   |    |
| 70                | 84.6 {8.6}  | 50.4 | 13.4            | 15.1              | 16.8    | 70            |         |               |         |               |             |    |   |               |      |    |   |    |
| 25                | 12.5        | 75   | 78.9 {8.1}      | 54                | 14.4    | 1466<br>(150) | 16.2    | 1279<br>(130) | 18      | 1421<br>(145) | DSWH        | 38 | — | 75            |      |    |   |    |
|                   |             | 80   | 74.0 {7.5}      | 57.6              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 65.8 {6.7}      | 64.8              | 17.3    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 100  | 59.2 {6.0}      | 72                | 19.2    |               | 21.6    |               | 24      |               |             |    |   | 100           |      |    |   |    |
|                   |             | 125  | 47.4 {4.8}      | 90                | 24      |               | 27      |               | 30      |               |             |    |   | 125           |      |    |   |    |
|                   |             | 150  | 39.5 {4.0}      | 108               | 28.8    |               | 32.4    |               | 36      |               |             |    |   | 150           |      |    |   |    |
|                   |             | 25   | 306 {31.2}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   | 1833<br>(187) | DSWH | 40 | — | 25 |
|                   |             | 30   | 255 {26.0}      | 21.6              | 5.8     |               | 6.5     |               | 7.2     |               |             |    |   |               |      |    |   | 30 |
|                   |             | 35   | 218 {22.3}      | 25.2              | 6.7     |               | 7.5     |               | 8.4     |               |             |    |   |               |      |    |   | 35 |
|                   |             | 40   | 191 {19.5}      | 28.8              | 7.7     |               | 8.6     |               | 9.6     |               |             |    |   |               |      |    |   | 40 |
| 45                | 170 {17.3}  | 32.4 | 8.6             | 9.7               | 10.8    | 45            |         |               |         |               |             |    |   |               |      |    |   |    |
| 50                | 153 {15.6}  | 36   | 9.6             | 10.8              | 12      | 50            |         |               |         |               |             |    |   |               |      |    |   |    |
| 55                | 139 {14.2}  | 39.6 | 10.6            | 11.8              | 13.2    | 55            |         |               |         |               |             |    |   |               |      |    |   |    |
| 60                | 127 {13.0}  | 43.2 | 11.5            | 13                | 14.4    | 60            |         |               |         |               |             |    |   |               |      |    |   |    |
| 65                | 118 {12.0}  | 46.8 | 12.5            | 14                | 15.6    | 65            |         |               |         |               |             |    |   |               |      |    |   |    |
| 70                | 109 {11.1}  | 50.4 | 13.4            | 15.1              | 16.8    | 70            |         |               |         |               |             |    |   |               |      |    |   |    |
| 27                | 13.5        | 75   | 102 {10.4}      | 54                | 14.4    | 1717<br>(175) | 16.2    | 1279<br>(130) | 18      | 1421<br>(145) | DSWH        | 42 | — | 75            |      |    |   |    |
|                   |             | 80   | 95.5 {9.7}      | 57.6              | 15.4    |               | 17.3    |               | 19.2    |               |             |    |   | 80            |      |    |   |    |
|                   |             | 90   | 84.9 {8.7}      | 64.8              | 17.3    |               | 19.4    |               | 21.6    |               |             |    |   | 90            |      |    |   |    |
|                   |             | 100  | 76.4 {7.8}      | 72                | 19.2    |               | 21.6    |               | 24      |               |             |    |   | 100           |      |    |   |    |
|                   |             | 125  | 61.1 {6.2}      | 90                | 24      |               | 27      |               | 30      |               |             |    |   | 125           |      |    |   |    |
|                   |             | 150  | 50.9 {5.2}      | 108               | 28.8    |               | 32.4    |               | 36      |               |             |    |   | 150           |      |    |   |    |
|                   |             | 175  | 43.6 {4.5}      | 126               | 33.6    |               | 37.8    |               | 42      |               |             |    |   | 175           |      |    |   |    |
|                   |             | 25   | 358 {36.5}      | 18                | 4.8     |               | 5.4     |               | 6       |               |             |    |   | 2146<br>(219) |      |    |   |    |