

CONFORCE DESIGN GUIDE **H**SPRING LIFE = **4,000** CYCLES

| b  |      | D<br>1/4 | E<br>5/16 | F<br>3/8 | G<br>1/2 | J<br>5/8 | K<br>3/4 | P<br>1 | R<br>1 1/4 | S<br>1 1/2 | U<br>2 | V<br>3 | W<br>4 |
|-------------------------------------------------------------------------------------|------|----------|-----------|----------|----------|----------|----------|--------|------------|------------|--------|--------|--------|
| t                                                                                   | ID   | FORCE P  |           |          |          |          |          |        |            |            |        |        |        |
| .002                                                                                | .13  | .39      | .49       | .58      | .77      |          |          |        |            |            |        |        |        |
| .003                                                                                | .20  | .58      | .72       | .86      | 1.15     | 1.44     |          |        |            |            |        |        |        |
| .004                                                                                | .27  | .77      | .96       | 1.15     | 1.54     | 1.92     | 2.30     |        |            |            |        |        |        |
| .005                                                                                | .34  | .96      | 1.20      | 1.44     | 1.92     | 2.40     | 2.88     | 3.84   |            |            |        |        |        |
| .006                                                                                | .41  | 1.15     | 1.44      | 1.73     | 2.30     | 2.88     | 3.45     | 4.61   | 5.76       |            |        |        |        |
| .008                                                                                | .54  | 1.54     | 1.92      | 2.31     | 3.07     | 3.84     | 4.61     | 6.14   | 7.68       | 9.22       |        |        |        |
| .010                                                                                | .68  | 1.92     | 2.40      | 2.88     | 3.84     | 4.80     | 5.76     | 7.68   | 9.59       | 11.5       | 15.4   |        |        |
| .012                                                                                | .81  |          | 2.88      | 3.45     | 4.61     | 5.76     | 6.91     | 9.21   | 11.5       | 13.8       | 18.4   | 26.2   |        |
| .014                                                                                | .95  |          |           | 4.03     | 5.37     | 6.72     | 8.06     | 10.8   | 13.4       | 16.1       | 21.5   | 30.6   | 38.7   |
| .016                                                                                | 1.08 |          |           |          | 6.14     | 7.68     | 9.21     | 12.3   | 15.4       | 18.4       | 24.6   | 35.0   | 44.2   |
| .018                                                                                | 1.22 |          |           |          |          | 8.63     | 10.4     | 13.8   | 17.3       | 20.7       | 27.6   | 39.4   | 49.7   |
| .020                                                                                | 1.35 |          |           |          |          |          | 11.5     | 15.4   | 19.2       | 23.0       | 30.7   | 43.8   | 55.3   |
| .022                                                                                | 1.49 |          |           |          |          |          |          | 16.9   | 21.1       | 25.3       | 33.8   | 48.1   | 60.8   |
| .025                                                                                | 1.69 |          |           |          |          |          |          |        | 24.0       | 28.8       | 38.4   | 54.7   | 69.1   |
| .031                                                                                | 2.09 |          |           |          |          |          |          |        |            | 35.7       | 47.6   | 67.8   | 85.7   |