TABLE XIV, e

Angular Deflection Measurements

Type of spring-pin - 0.014 inch, 2-coil Ortholoy

Batch number: 0911007

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 136.0° | 0° | | |
| 131.5° | 5° | 135.0° | 1.5° |
| 126.5° | 10° | 134.0° | 2.5° |
| 121.5° | 15° | 134.0° | 2.5° |
| 116.5° | 20° | 133.5° | 3.0° |
| 111.5° | 25° | 133.0° | 3.5° |
| 106.5° | 30° | 132.5° | 4.0° |
| 101.5° | 35° | 132.0° | 4.5° |
| 96.5° | 40° | 131.5° | 5.0° |
| 91.5° | 45° | 131.0° | 5.5° |
| 86.5° | 50° | 130.5° | 6.0° |
| 81.5° | 55° | 129.5° | 7.0° |
| 76.5° | 60° | 129.0° | 7.5° |
| 71.5° | 65° | 129.0° | 7.5° |
| 66.5° | 70° | 128.5° | 8.0° |
| 61.5° | 75° | 128.0° | 8.5° |

Marked as: E

TABLE XIV, f

Angular Deflection Measurements

Type of spring-pin - 0.014 inch, 2-coil Ortholoy

Batch number: 0911007

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 141.0° | 0° | | |
| 136.0° | 5° | 140.0° | 1.0° |
| 131.0° | 10° | 139.5° | 1.5° |
| 126.0° | 15° | 139.5° | 1.5° |
| 121.0° | 20° | 139.5° | 1.5° |
| 116.0° | 25° | 139.0° | 2.0° |
| 111.0° | 30° | 138.5° | 2.5° |
| 106.0° | 35° | 138.5° | 2.5° |
| 101.0° | 40° | 138.0° | 3.0° |
| 96.0° | 45° | 137.0° | 4.0° |
| 91.0° | 50° | 136.5° | 4.5° |
| 86.0° | 55° | 136.5° | 4.5° |
| 81.0° | 60° | 135.5° | 5.5° |
| 76.0° | 65° | 134.5° | 6.5° |
| 71.0° | 70° | 133.5° | 7.5° |
| 66.0° | 75° | 132.5° | 8.5° |

Marked as: F

TABLE XIV, g

Angular Deflection Measurements

Type of spring-pin - 0.014 inch, 2-coil Ortholoy

Batch number: 0911007

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 133.5° | 0° | | |
| 128.5° | 5° | 132.0° | 1.5° |
| 123.5° | 10° | 131.0° | 2.5° |
| 118.5° | 15° | 130.5° | 3.0° |
| 113.5° | 20° | 130.0° | 3.5° |
| 108.5° | 25° | 129.5° | 4.0° |
| 103.5° | 30° | 129.5° | 4.0° |
| 98.5° | 35° | 129.0° | 4.5° |
| 93.5° | 40° | 127.5° | 6.0° |
| 88.5° | 45° | 128.0° | 5.5° |
| 83.5° | 50° | 127.0° | 6.5° |
| 78.5° | 55° | 126.0° | 7.5° |
| 73.5° | 60° | 125.0° | 8.5° |
| 68.5° | 65° | 124.5° | 9.0° |
| 63.5° | 70° | 124.5° | 9.0° |
| 58.5° | 75° | 124.0° | 9.5° |

Marked as: G

TABLE XIV, h

Angular Deflection Measurements

Type of spring-pin - 0.014 inch, 2-coil Ortholoy

Batch number: 0911007

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 132.5° | 0° | | |
| 127.5° | 5° | 131.5° | 1.0° |
| 122.5° | 10° | 131.0° | 1.5° |
| 117.5° | 15° | 130.5° | 2.0° |
| 112.5° | 20° | 130.5° | 2.0° |
| 107.5° | 25° | 130.0° | 2.5° |
| 102.5° | 30° | 129.5° | 3.0° |
| 97.5° | 35° | 129.0° | 3.5° |
| 92.5° | 40° | 128.5° | 4.0° |
| 87.5° | 45° | 128.0° | 4.5° |
| 82.5° | 50° | 127.5° | 5.0° |
| 77.5° | 55° | 127.0° | 5.5° |
| 72.5° | 60° | 126.0° | 6.5° |
| 67.5° | 65° | 125.5° | 7.0° |
| 62.5° | 70° | 125.0° | 7.5° |
| 57.5° | 75° | 124.5° | 8.0° |

Marked as: H

TABLE XV, a

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 143.0° | 0° | | |
| 138.0° | 5° | 142.5° | 0.5° |
| 133.0° | 10° | 141.0° | 2.0° |
| 128.0° | 15° | 140.0° | 3.0° |
| 123.0° | 20° | 139.5° | 3.5° |
| 118.0° | 25° | 139.0° | 4.0° |
| 113.0° | 30° | 138.5° | 4.5° |
| 108.0° | 35° | 138.0° | 5.0° |
| 103.0° | 40° | 138.0° | 5.0° |
| 98.0° | 45° | 137.0° | 6.0° |
| 93.0° | 50° | 136.5° | 6.5° |
| 88.0° | 55° | 136.0° | 7.0° |
| 83.0° | 60° | 135.5° | 7.5° |
| 78.0° | 65° | 134.5° | 8.5° |
| 73.0° | 70° | 134.0° | 9.0° |
| 68.0° | 75° | 133.5° | 9.5° |
| | | | |

Marked as: A

TABLE XV, b

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 144.0° | 0° | | |
| 139.0° | 5° | 142.5° | 1.5° |
| 134.0° | 10° | 142.0° | 2.0° |
| 129.0° | 15° | 141.5° | 2.5° |
| 124.0° | 20° | 141.5° | 2.5° |
| 119.0° | 25° | 141.0° | 3.0° |
| 114.0° | 30° | 140.5° | 3.5° |
| 109.0° | 35° | 140.0° | 4.0° |
| 104.0° | 40° | 139.5° | 4.5° |
| 99.0° | 45° | 139.0° | 5.0° |
| 94.0° | 50° | 138.0° | 6.0° |
| 89.0° | 55° | 137.0° | 7.0° |
| 84.0° | 60° | 136.5° | 7.5° |
| 79.0° | 65° | 136.0° | 8.0° |
| 74.0° | 70° | 135.5° | 8.5° |
| 69.0° | 75° | 135.5° | 8.5° |
| | | | |

Marked as: B

TABLE XV, c

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 143.0° | 0° | | |
| 138.0° | 5° | 142.5° | 0.5° |
| 133.0° | 10° | 141.0° | 2.0° |
| 128.0° | 15° | 140.5° | 2.5° |
| 123.0° | 20° | 140.0° | 3.0° |
| 118.0° | 25° | 139.0° | 4.0° |
| 113.0° | 30° | 138.5° | 4.5° |
| 108.0° | 35° | 137.5° | 5.5° |
| 103.0° | 40° | 137.0° | 6.0° |
| 98.0° | 45° | 136.5° | 6.5° |
| 93.0° | 50° | 136.0° | 7.0° |
| 88.0° | 55° | 135.5° | 7.5° |
| 83.0° | 60° | 134.5° | 8.5° |
| 78.0° | 65° | 133.5° | 9.5° |
| 73.0° | 70° | 133.0° | 10.0° |
| 68.0° | 75° | 133.0° | 10.0° |
| | | | |

Marked as: C

TABLE XV, d

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 137.5° | 0° | | |
| 132.5° | 5° | 136.0° | 1.5° |
| 127.5 | 10° | 135.5° | 2.0° |
| 122.5 | 15° | 134.0° | 3.5° |
| 117.5° | 20° | 133.0° | 4.5° |
| 112.5° | 25° | 133.0° | 4.5° |
| 107.5° | 30° | 132.5° | 5.0° |
| 102.5° | 35° | 132.0° | 5.5° |
| 97.5° | 40° | 131.0° | 6.5° |
| 92.5° | 45° | 131.0° | 6.5° |
| 87.5° | 50° | 130.5° | 7.0° |
| 82.5° | 55° | 130.0° | 7.5° |
| 77.5° | 60° | 130.0° | 7.5° |
| 72.5° | 65° | 129.0° | 8.5° |
| 67.5° | 70° | 128.5° | 9.0° |
| 62.5° | 75° | 128.5° | 9.0° |
| | | | |

Marked as: D

TABLE XV, e

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 137.5° | 0° | | |
| 132.5° | 5° | 136.5° | 1.0° |
| 127.5° | 10° | 135.5° | 2.0° |
| 122.5° | 15° | 134.5° | 3.0° |
| 117.5° | 20° | 133.5° | 4.0° |
| 112.5° | 25° | 133.0° | 4.5° |
| 107.5° | 30° | 133.0° | 4.5° |
| 102.5° | 35° | 132.5° | 5.0° |
| 97.5° | 40° | 132.0° | 5.5° |
| 92.5° | 45° | 131.5° | 6.0° |
| 87.5° | 50° | 131.5° | 6.0° |
| 82.5° | 55° | 131.0° | 6.5° |
| 77.5° | 60° | 130.5° | 7.0° |
| 72.5° | 65° | 130.5° | 7.0° |
| 67.5° | 70° | 129.5° | 8.0° |
| 62.5° | 75° | 128.5° | 9.0° |
| | | | |

Marked as: E

TABLE XV, f

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 146.0° | 0° | | |
| 141.0° | 5° | 145.0° | 1.0° |
| 136.0° | 10° | 144.5° | 1.5° |
| 131.0° | 15° | 144.0° | 2.0° |
| 126.0° | 20° | 143.5° | 2.5° |
| 121.0° | 25° | 143.0° | 3.0° |
| 116.0° | 30° | 142.5° | 3.5° |
| 111.0° | 35° | 142.0° | 4.0° |
| 106.0° | 40° | 141.5° | 4.5° |
| 101.0° | 45° | 140.5° | 5.5° |
| 96.0° | 50° | 139.5° | 6.5° |
| 92.0° | 55° | 139.0° | 7.0° |
| 86.0° | 60° | 138.5° | 7.5° |
| 81.0° | 65° | 138.0° | 8.0° |
| 76.0° | 70° | 137.0° | 8.5° |
| 71.0° | 75° | 136.5° | 9.5° |
| | | | |

Marked as: F

TABLE XV, g

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 136.0° | 0° | | |
| 131.0° | 5° | 135.0° | 1.0° |
| 126.0° | 10° | 132.5° | 3.5° |
| 121.0° | 15° | 131.0° | 5.0° |
| 116.0° | 20° | 130.5° | 5.5° |
| 111.0° | 25° | 129.5° | 6.5° |
| 106.0° | 30° | 129.0° | 7.0° |
| 101.0° | 35° | 129.0° | 7.0° |
| 96.0° | 40° | 128.5° | 7.5° |
| 91.0° | 45° | 128.5° | 7.5° |
| 86.0° | 50° | 128.0° | 8.0° |
| 81.0° | 55° | 127.0° | 9.0° |
| 76.0° | 60° | 126.0° | 10.0° |
| 71.0° | 65° | 125.0° | 11.0° |
| 66.0° | 70° | 124.5° | 11.5° |
| 61.0° | 75° | 123.5° | 12.5° |
| | | | |

Marked as: G

TABLE XV, h

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil, Australian

Batch number: 1132025

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 149.0° | 0° | | |
| 144.0° | 5° | 148.0° | 1.0° |
| 139.0° | 10° | 147.0° | 2.0° |
| 134.0° | 15° | 145.0° | 4.0° |
| 129.0° | 20° | 144.5° | 4.5° |
| 124.0° | 25° | 143.5° | 5.5° |
| 119.0° | 30° | 143.5° | 5.5° |
| 114.0° | 35° | 142.5° | 6.5° |
| 109.0° | 40° | 142.0° | 7.0° |
| 104.0° | 45° | 141.0° | 8.0° |
| 99.0° | 50° | 140.5° | 8.5° |
| 94.0° | 55° | 139.5° | 9.5° |
| 89.0° | 60° | 138.5° | 10.5° |
| 84.0° | 65° | 138.0° | 11.0° |
| 79.0° | 70° | 137.5° | 11.5° |
| 74.0° | 75° | 137.0° | 12.0° |
| | | | |

Marked as: H

TABLE XVI, a

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 131.5° | 0° | | |
| 126.5° | 5° | 130.0° | 1.5° |
| 121.5° | 10° | 129.5° | 2.0° |
| 116.5° | 15° | 128.0° | 3.5° |
| 111.5° | 20° | 126.0° | 5.5° |
| 106.5° | 25° | 125.0° | 6.5° |
| 101.5° | 30° | 123.5° | 8.0° |
| 96.5° | 35° | 122.5° | 9.0° |
| 91.5° | 40° | 122.0° | 9.5° |
| 86.5° | 45° | 121.0° | 10.5° |
| 81.5° | 50° | 120.5° | 11.0° |
| 76.5° | 55° | 119.5° | 12.0° |
| 71.5° | 60° | 118.5° | 13.0° |
| 66.5° | 65° | 118.5° | 13.0° |
| 61.5° | 70° | 117.5° | 14.0° |
| 56.5° | 75° | 117.0° | 14.5° |

Marked as: A

TABLE XVI, b

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 126.0° | 0° | | |
| 121.0° | 5° | 124.0° | 2.0° |
| 116.0° | 10° | 123.5° | 2.5° |
| 111.0° | 15° | 122.0° | 4.0° |
| 106.0° | 20° | 120.5° | 5.5° |
| 101.0° | 25° | 120.0° | 6.0° |
| 96.0° | 30° | 119.0° | 7.0° |
| 91.0° | 35° | 118.0° | 8.0° |
| 86.0° | 40° | 117.5° | 8.5° |
| 81.0° | 45° | 117.0° | 9.0° |
| 76.0° | 50° | 116.5° | 9.5° |
| 71.0° | 55° | 115.5° | 10.5° |
| 66.0° | 60° | 115.0° | 11.0° |
| 61.0° | 65° | 114.5° | 11.5° |
| 56.0° | 70° | 113.5° | 12.5° |
| 51.0° | 75° | 112.0° | 14.0° |

Marked as: B

TABLE XVI, c

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 128.0° | 0° | | |
| 123.0° | 5° | 125.5° | 2.5° |
| 118.0° | 10° | 125.5° | 2.5° |
| 113.0° | 15° | 124.5° | 3.5° |
| 108.0° | 20° | 122.5° | 5.5° |
| 103.0° | 25° | 122.0° | 6.0° |
| 98.0° | 30° | 120.5° | 7.5° |
| 93.0° | 35° | 120.0° | 8.0° |
| 88.0° | 40° | 119.5° | 8.5° |
| 83.0° | 45° | 120.0° | 8.0° |
| 78.0° | 50° | 119.0° | 9.0° |
| 73.0° | 55° | 117.5° | 10.5° |
| 68.0° | 60° | 116.5° | 11.5° |
| 63.0° | 65° | 116.0° | 12.0° |
| 58.0° | 70° | 115.5° | 12.5° |
| 53.0° | 75° | 114.5° | 13.5° |
| | | | |

Marked as: C

TABLE XVI, d

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 132.5° | 0° | | |
| 127.5° | 5° | 131.0° | 1.5° |
| 122.5° | 10° | 129.5° | 3.0° |
| 117.5° | 15° | 128.5° | 4.0° |
| 112.5° | 20° | 127.0° | 5.5° |
| 107.5° | 25° | 126.0° | 6.5° |
| 102.5° | 30° | 125.5° | 7.0° |
| 97.5° | 35° | 124.0° | 8.5° |
| 92.5° | 40° | 123.0° | 9.5° |
| 87.5° | 45° | 123.0° | 9.5° |
| 82.5° | 50° | 122.0° | 10.5° |
| 77.5° | 55° | 121.0° | 11.5° |
| 72.5° | 60° | 120.0° | 12.5° |
| 67.5° | 65° | 120.0° | 12.5° |
| 62.5° | 70° | 119.0° | 13.5° |
| 57.5° | 75° | 118.0° | 14.5° |
| | | | |

Marked as: D

TABLE XVI, e

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 134.0° | 0° | | |
| 129.0° | 5° | 133.0° | 1.0° |
| 124.0° | 10° | 132.0° | 2.0° |
| 119.0° | 15° | 131.0° | 3.0° |
| 114.0° | 20° | 129.5° | 4.5° |
| 109.0° | 25° | 128.5° | 5.5° |
| 104.0° | 30° | 127.5° | 6.5° |
| 99.0° | 35° | 126.5° | 7.5° |
| 94.0° | 40° | 126.0° | 8.0° |
| 89.0° | 45° | 125.0° | 9.0° |
| 84.0° | 50° | 124.5° | 9.5° |
| 79.0° | 55° | 123.5° | 10.5° |
| 74.0° | 60° | 123.0° | 11.0° |
| 69.0° | 65° | 122.5° | 11.5° |
| 64.0° | 70° | 121.0° | 13.0° |
| 59.0° | 75° | 120.5° | 13.5° |

Marked as: E

TABLE XVI, f

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 129.5° | 0° | | |
| 124.5° | 5° | 128.0° | 1.5° |
| 119.5° | 10° | 127.0° | 2.5° |
| 114.5° | 15° | 126.0° | 3.5° |
| 109.5° | 20° | 124.5° | 5.0° |
| 104.5° | 25° | 123.5° | 6.0° |
| 99.5° | 30° | 122.0° | 7.5° |
| 94.5° | 35° | 122.0° | 7.5° |
| 89.5° | 40° | 121.0° | 8.5° |
| 84.5° | 45° | 120.0° | 9.5° |
| 79.5° | 50° | 119.5° | 10.0° |
| 74.5° | 55° | 118.5° | 11.0° |
| 69.5° | 60° | 118.0° | 11.5° |
| 64.5° | 65° | 117.5° | 12.0° |
| 59.5° | 70° | 116.5° | 13.0° |
| 54.5° | 75° | 116.5° | 13.0° |

Marked as: F

TABLE XVI, g

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 136.5° | 0° | | |
| 131.5° | 5° | 135.0° | 1.5° |
| 126.5° | 10° | 134.0° | 2.5° |
| 121.5° | 15° | 133.0° | 3.5° |
| 116.5° | 20° | 131.5° | 5.0° |
| 111.5° | 25° | 130.5° | 6.0° |
| 106.5° | 30° | 131.0° | 5.5° |
| 101.5° | 35° | 130.0° | 6.5° |
| 96.5° | 40° | 129.0° | 7.5° |
| 91.5° | 45° | 127.5° | 9.0° |
| 86.5° | 50° | 126.5° | 10.0° |
| 81.5° | 55° | 126.0° | 10.5° |
| 76.5° | 60° | 125.0° | 11.5° |
| 71.5° | 65° | 124.0° | 12.5° |
| 66.5° | 70° | 123.0° | 13.5° |

Marked as: G

TABLE XVI, h

Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 132.0° | 0° | | |
| 127.0° | 5° | 130.0° | 2.0° |
| 122.0° | 10° | 129.0° | 3.0° |
| 117.0° | 15° | 128.5° | 3.5° |
| 112.0° | 20° | 127.0° | 5.0° |
| 107.0° | 25° | 125.5° | 6.5° |
| 102.0° | 30° | 124.5° | 7.5° |
| 97.0° | 35° | 123.5° | 8.5° |
| 92.0° | 40° | 123.0° | 9.0° |
| 87.0° | 45° | 122.5° | 9.5° |
| 82.0° | 50° | 121.5° | 10.5° |
| 77.0° | 55° | 121.0° | 11.0° |
| 72.0° | 60° | 120.0° | 12.0° |
| 67.0° | 65° | 119.5° | 12.5° |
| 62.0° | 70° | 118.5° | 13.5° |
| 57.0° | 75° | 118.5° | 13.5° |

Marked as: H

TABLE XVII, a

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 130.5° | 0° | | |
| 125.5° | 5° | 129.5° | 1.0° |
| 120.5° | 10° | 129.5° | 1.0° |
| 115.5° | 15° | 129.0° | 1.5° |
| 110.5° | 20° | 129.0° | 1.5° |
| 105.5° | 25° | 128.5° | 2.0° |
| 100.5° | 30° | 128.5° | 2.0° |
| 95.5° | 35° | 127.5° | 3.0° |
| 90.5° | 40° | 127.0° | 3.5° |
| 85.5° | 45° | 127.0° | 3.5° |
| 80.5° | 50° | 126.5° | 4.0° |
| 75.5° | 55° | 126.0° | 4.5° |
| 70.5° | 60° | 125.0° | 5.5° |
| 65.5° | 65° | 124.5° | 6.0° |
| 60.5° | 70° | 123.5° | 7.0° |
| 65.5° | 75° | 123.0° | 7.5° |

Marked as: A

TABLE XVII, b

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 131.0° | 0° | | |
| 126.0° | 5° | 130.5° | 0.5° |
| 121.0° | 10° | 130.5° | 0.5° |
| 116.0° | 15° | 130.0° | 1.0° |
| 111.0° | 20° | 130.0° | 1.0° |
| 106.0° | 25° | 129.5° | 1.5° |
| 101.0° | 30° | 129.5° | 1.5° |
| 96.0° | 35° | 129.5° | 1.5° |
| 91.0° | 40° | 129.0° | 2.0° |
| 86.0° | 45° | 129.0° | 2.0° |
| 81.0° | 50° | 128.5° | 2.5° |
| 76.0° | 55° | 128.0° | 3.0° |
| 71.0° | 60° | 127.5° | 3.5° |
| 66.0° | 65° | 126.5° | 4.5° |
| 61.0° | 70° | 126.0° | 5.0° |
| 56.0° | 75° | 125.5° | 5.5° |

Marked as: B

TABLE XVII, c

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 129.0° | 0° | | |
| 124.0° | 5° | 129.0° | 0.0° |
| 119.0° | 10° | 128.5° | 0.5° |
| 114.0° | 15° | 128.5° | 0.5° |
| 109.0° | 20° | 128.0° | 1.0° |
| 104.0° | 25° | 127.5° | 1.5° |
| 99.0° | 30° | 127.5° | 1.5° |
| 94.0° | 35° | 127.0° | 2.0° |
| 89.0° | 40° | 127.0° | 2.0° |
| 84.0° | 45° | 126.5° | 2.5° |
| 79.0° | 50° | 126.0° | 3.0° |
| 74.0° | 55° | 125.5° | 3.5° |
| 69.0° | 60° | 125.0° | 4.0° |
| 64.0° | 65° | 124.5° | 4.5° |
| 59.0° | 70° | 123.5° | 5.5° |
| 54.0° | 75° | 123.5° | 5.5° |

Marked as: C

TABLE XVII, d

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 131.0° | 0° | | |
| 126.0° | 5° | 130.5° | 0.5° |
| 121.0° | 10° | 130.0° | 1.0° |
| 116.0° | 15° | 130.0° | 1.0° |
| 111.0° | 20° | 129.0° | 2.0° |
| 106.0° | 25° | 129.0° | 2.0° |
| 101.0° | 30° | 128.5° | 2.5° |
| 96.0° | 35° | 128.5° | 2.5° |
| 91.0° | 40° | 128.0° | 3.0° |
| 86.0° | 45° | 127.5° | 3.5° |
| 81.0° | 50° | 127.0° | 4.0° |
| 76.0° | 55° | 126.5° | 4.5° |
| 71.0° | 60° | 126.0° | 5.0° |
| 66.0° | 65° | 125.5° | 5.5° |
| 61.0° | 70° | 124.5° | 6.5° |
| 56.0° | 75° | 124.5° | 6.5° |

Marked as: D

TABLE XVII, e

Angular Deflection Measurements

TP Spring-pin 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 138.0° | 0° | | |
| 133.0° | 5° | 137.5° | 0.5° |
| 128.0° | 10° | 137.5° | 0.5° |
| 123.0° | 15° | 137.0° | 1.0° |
| 118.0° | 20° | 137.0° | 1.0° |
| 113.0° | 25° | 136.5° | 1.5° |
| 108.0° | 30° | 136.0° | 2.0° |
| 103.0° | 35° | 135.5° | 2.5° |
| 98.0° | 40° | 135.5° | 2.5° |
| 93.0° | 45° | 135.0° | 3.0° |
| 88.0° | 50° | 134.5° | 3.5° |
| 83.0° | 55° | 134.0° | 4.0° |
| 78.0° | 60° | 133.5° | 4.5° |
| 73.0° | 65° | 133.0° | 5.0° |
| 68.0° | 70° | 132.5° | 5.5° |
| 63.0° | 75° | 132.0° | 6.0° |

Marked as: E

TABLE XVII, f

Angular Deflection Measurements

TP Spring-pin 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 129.5° | 0° | | |
| 124.5° | 5° | 129.0° | 0.5° |
| 119.5° | 10° | 129.0° | 0.5° |
| 114.5° | 15° | 128.5° | 1.0° |
| 109.5 | 20° | 128.5° | 1.0° |
| 104.5° | 25° | 128.0° | 1.5° |
| 99.5° | 30° | 128.0° | 1.5° |
| 94.5° | 35° | 127.5° | 2.0° |
| 89.5° | 40° | 127.5° | 2.0° |
| 84.5° | 45° | 127.0° | 2.5° |
| 79.5° | 50° | 126.5° | 3.0° |
| 74.5° | 55° | 125.5° | 4.0° |
| 69.5° | 60° | 125.0° | 4.5° |
| 64.5° | 65° | 124.5° | 5.0° |
| 59.5° | 70° | 124.0° | 5.5° |
| 54.5° | 75° | 123.5° | 6.0° |

Marked as: F

TABLE XVII, g

Angular Deflection Measurements

TP Spring-pin 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 134.0° | 0° | | |
| 129.0° | 5° | 133.5° | 0.5° |
| 124.0° | 10° | 133.5° | 0.5° |
| 119.0° | 15° | 133.0° | 1.0° |
| 114.0° | 20° | 133.0° | 1.0° |
| 109.0° | 25° | 133.0° | 1.0° |
| 104.0° | 30° | 132.5° | 1.5° |
| 99.0° | 35° | 132.5° | 1.5° |
| 94.0° | 40° | 132.0° | 2.0° |
| 89.0° | 45° | 131.5° | 2.5° |
| 84.0° | 50° | 131.0° | 3.0° |
| 79.0° | 55° | 130.5° | 3.5° |
| 74.0° | 60° | 130.0° | 4.0° |
| 69.0° | 65° | 129.0° | 5.0° |
| 64.0° | 70° | 128.5° | 5.5° |
| 59.0° | 75° | 128.5° | 5.5° |

Marked as: G

TABLE XVII, h

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Australian

Batch number: 0712010

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 140.5° | 0° | | |
| 135.5° | 5° | 140.5° | 0.0° |
| 130.5° | 10° | 140.0° | 0.5° |
| 125.5° | 15° | 139.5° | 1.0° |
| 120.5° | 20° | 139.5° | 1.0° |
| 115.5° | 25° | 138.5° | 2.0° |
| 110.5° | 30° | 138.0° | 2.5° |
| 105.5° | 35° | 137.5° | 3.0° |
| 100.5° | 40° | 137.5° | 3.0° |
| 95.5° | 45° | 137.0° | 3.5° |
| 90.5° | 50° | 136.5° | 4.0° |
| 85.5° | 55° | 136.0° | 4.5° |
| 80.5° | 60° | 135.5° | 5.0° |
| 75.5° | 65° | 135.5° | 5.0° |
| 70.5° | 70° | 135.0° | 5.5° |
| 65.5° | 75° | 134.0° | 6.5° |

Marked as: H

TABLE XVIII, a

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 137.0° | 0° | | |
| 132.0° | 5° | 136.5° | 0.5° |
| 127.0° | 10° | 136.0° | 1.0° |
| 122.0° | 15° | 135.5° | 1.5° |
| 117.0° | 20° | 135.5° | 1.5° |
| 112.0° | 25° | 135.0° | 2.0° |
| 107.0° | 30° | 135.0° | 2.0° |
| 102.0° | 35° | 134.5° | 2.5° |
| 97.0° | 40° | 134.0° | 3.0° |
| 92.0° | 45° | 133.5° | 3.5° |
| 87.0° | 50° | 133.0° | 4.0° |
| 82.0° | 55° | 132.5° | 4.5° |
| 77.0° | 60° | 132.0° | 5.0° |
| 72.0° | 65° | 131.5° | 5.5° |
| 67.0° | 70° | 131.5° | 5.5° |
| 62.0° | 75° | 130.5° | 6.5° |

Marked as: A

TABLE XVIII, b

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 134.5° | 0° | | |
| 129.5° | 5° | 133.5° | 1.0° |
| 124.5° | 10° | 133.5° | 1.0° |
| 119.5° | 15° | 133.0° | 1.5° |
| 114.5° | 20° | 133.0° | 1.5° |
| 109.5° | 25° | 132.5° | 2.0° |
| 104.5° | 30° | 132.0° | 2.5° |
| 99.5° | 35° | 132.0° | 2.5° |
| 94.5° | 40° | 131.5° | 3.0° |
| 89.5° | 45° | 131.0° | 3.5° |
| 84.5° | 50° | 130.5° | 4.0° |
| 79.5° | 55° | 130.0° | 4.5° |
| 74.5° | 60° | 129.5° | 5.0° |
| 69.5° | 65° | 129.0° | 5.5° |
| 64.5° | 70° | 128.5° | 6.0° |
| 59.5° | 75° | 127.5° | 7.0° |
| | | | |

Marked as: B

TABLE XVIII, c

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 139.0° | 0° | | |
| 134.0° | 5° | 138.0° | 1.0° |
| 129.0° | 10° | 137.0° | 2.0° |
| 124.0° | 15° | 136.5° | 2.5° |
| 119.0° | 20° | 136.0° | 3.0° |
| 114.0° | 25° | 135.5° | 3.5° |
| 109.0° | 30° | 135.5° | 3.5° |
| 104.0° | 35° | 135.0° | 4.0° |
| 99.0° | 40° | 135.0° | 4.0° |
| 94.0° | 45° | 134.0° | 5.0° |
| 89.0° | 50° | 133.5° | 5.5° |
| 84.0° | 55° | 133.5° | 5.5° |
| 79.0° | 60° | 132.5° | 6.5° |
| 74.0° | 65° | 132.0° | 7.0° |
| 69.0° | 70° | 132.0° | 7.0° |
| 64.0° | 75° | 131.0° | 8.0° |
| | | | |

Marked as: C

TABLE XVIII, d

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 129.0° | 0° | | |
| 124.0° | 5° | 128.0° | 1.0° |
| 119.0° | 10° | 127.5° | 1.5° |
| 114.0° | 15° | 127.0° | 2.0° |
| 109.0° | 20° | 126.5° | 2.5° |
| 104.0° | 25° | 126.0° | 3.0° |
| 99.0° | 30° | 126.0° | 3.0° |
| 94.0° | 35° | 126.0° | 3.0° |
| 89.0° | 40° | 125.5° | 3.5° |
| 84.0° | 45° | 124.5° | 4.5° |
| 79.0° | 50° | 124.5° | 4.5° |
| 74.0° | 55° | 123.5° | 5.5° |
| 69.0° | 60° | 123.0° | 6.0° |
| 64.0° | 65° | 122.5° | 6.5° |
| 59.0° | 70° | 121.5° | 7.5° |
| 54.0° | 75° | 120.5° | 8.5° |
| | | | |

Marked as: D

TABLE XVIII, e

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 138.0° | 0° | | |
| 133.0° | 5° | 136.5° | 1.5° |
| 128.0° | 10° | 136.0° | 2.0° |
| 123.0° | 15° | 136.0° | 2.0° |
| 118.0° | 20° | 135.5° | 2.5° |
| 113.0° | 25° | 135.0° | 3.0° |
| 108.0° | 30° | 135.0° | 3.0° |
| 103.0° | 35° | 135.0° | 3.0° |
| 98.0° | 40° | 133.5° | 4.5° |
| 93.0° | 45° | 132.5° | 5.5° |
| 88.0° | 50° | 132.0° | 6.0° |
| 83.0° | 55° | 132.0° | 6.0° |
| 78.0° | 60° | 130.5° | 7.5° |
| 73.0° | 65° | 129.5° | 8.5° |
| 68.0° | 70° | 129.0° | 8.0° |
| 63.0° | 75° | 129.5° | 8.5° |

Marked as: E

TABLE XVIII, f

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 137.5° | 0° | | |
| 132.5° | 5° | 137.5° | 0.0° |
| 127.5° | 10° | 137.0° | 0.5° |
| 122.5° | 15° | 136.5° | 1.0° |
| 117.5° | 20° | 136.5° | 1.0° |
| 112.5° | 25° | 136.0° | 1.5° |
| 107.5° | 30° | 136.0° | 1.5° |
| 102.5° | 35° | 135.5° | 2.0° |
| 97.5° | 40° | 134.5° | 3.0° |
| 92.5° | 45° | 134.0° | 3.5° |
| 87.5° | 50° | 133.5° | 4.0° |
| 82.5° | 55° | 133.0° | 4.5° |
| 77.5° | 60° | 132.0° | 5.5° |
| 72.5° | 65° | 131.0° | 6.5° |
| 67.5° | 70° | 130.5° | 7.0° |
| 62.5° | 75° | 130.5° | 7.0° |

Marked as: F

TABLE XVIII, g

Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 132.0° | 0° | | |
| 127.0° | 5° | 131.0° | 1.0° |
| 122.0° | 10° | 130.5° | 1.5° |
| 117.0° | 15° | 130.5° | 1.5° |
| 112.0° | 20° | 130.0° | 2.0° |
| 107.0° | 25° | 130.0° | 2.0° |
| 102.0° | 30° | 129.5° | 2.5° |
| 97.0° | 35° | 129.0° | 3.0° |
| 92.0° | 40° | 128.5° | 3.5° |
| 87.0° | 45° | 128.5° | 3.5° |
| 82.0° | 50° | 127.5° | 4.5° |
| 77.0° | 55° | 127.0° | 5.0° |
| 72.0° | 60° | 126.0° | 6.0° |
| 67.0° | 65° | 125.5° | 6.5° |
| 62.0° | 70° | 125.5° | 6.5° |
| 57.0° | 75° | 125.0° | 7.0° |
| | | | |

Marked as: G

TABLE XVIII, h

Angular Deflection Measurement

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 137.5° | 0° | | |
| 132.5° | 5° | 137.0° | 0.5° |
| 127.5° | 10° | 136.5° | 1.0° |
| 122.5° | 15° | 136.0° | 1.5° |
| 117.5° | 20° | 136.0° | 1.5° |
| 112.5° | 25° | 135.0° | 2.5° |
| 107.5° | 30° | 135.0° | 2.5° |
| 102.5° | 35° | 134.5° | 3.0° |
| 97.5° | 40° | 134.5° | 3.0° |
| 92.5° | 45° | 134.0° | 3.5° |
| 87.5° | 50° | 133.5° | 4.0° |
| 82.5° | 55° | 133.5° | 4.0° |
| 77.5° | 60° | 132.0° | 5.5° |
| 72.5° | 65° | 132.0° | 5.5° |
| 67.5° | 70° | 131.0° | 6.5° |
| 62.5° | 75° | 130.0° | 7.5° |

Marked as: H

TABLE XIX, a

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 137.0° | 0° | | |
| 132.0° | 5° | 136.0° | 1.0° |
| 127.0° | 10° | 135.5° | 1.5° |
| 122.0° | 15° | 134.5° | 2.5° |
| 117.0° | 20° | 134.5° | 2.5° |
| 112.0° | 25° | 133.5° | 3.5° |
| 107.0° | 30° | 132.5° | 4.5° |
| 102.0° | 35° | 132.0° | 5.0° |
| 97.0° | 40° | 131.5° | 5.5° |
| 92.0° | 45° | 131.0° | 6.0° |
| 87.0° | 50° | 131.0° | 6.0° |
| 82.0° | 55° | 130.5° | 6.5° |
| 77.0° | 60° | 130.0° | 7.0° |
| 72.0° | 65° | 130.0° | 7.0° |
| 67.0° | 70° | 129.5° | 7.5° |
| 62.0° | 75° | 129.0° | 8.0° |
| | | | |

Marked as: A

TABLE XIX, b

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 133.5° | 0° | | |
| 128.5° | 5° | 132.5° | 1.0° |
| 123.5° | 10° | 132.5° | 1.0° |
| 118.5° | 15° | 132.0° | 1.5° |
| 113.5° | 20° | 131.5° | 2.0° |
| 108.5° | 25° | 131.5° | 2.0° |
| 103.5° | 30° | 131.0° | 2.5° |
| 98.5° | 35° | 129.5° | 4.0° |
| 93.5° | 40° | 129.5° | 4.0° |
| 88.5° | 45° | 128.0° | 5.5° |
| 83.5° | 50° | 127.5° | 6.0° |
| 78.5° | 55° | 127.0° | 6.5° |
| 73.5° | 60° | 126.5° | 7.0° |
| 68.5° | 65° | 125.5° | 8.0° |
| 63.5° | 70° | 124.5° | 9.0° |
| 58.5° | 75° | 124.0° | 9.5° |
| | | | |

Marked as: B

TABLE XIX, c

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 142.0° | 0° | | |
| 137.0° | 5° | 140.5° | 1.5° |
| 132.0° | 10° | 140.5° | 1.5° |
| 127.0° | 15° | 139.5° | 2.5° |
| 122.0° | 20° | 140.0° | 2.0° |
| 117.0° | 25° | 139.0° | 3.0° |
| 122.0° | 30° | 138.0° | 4.0° |
| 107.0° | 35° | 137.5° | 4.5° |
| 102.0° | 40° | 136.5° | 5.5° |
| 97.0° | 45° | 136.5° | 5.5° |
| 92.0° | 50° | 136.0° | 6.0° |
| 87.0° | 55° | 135.5° | 6.5° |
| 82.0° | 60° | 135.5° | 6.5° |
| 77.0° | 65° | 135.0° | 7.0° |
| 72.0° | 70° | 135.0° | 7.0° |
| 67.0° | 75° | 134.5° | 7.5° |
| | | | |

Marked as: C

TABLE XIX, d

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 131.5° | 0° | | |
| 126.5° | 5° | 130.5° | 1.0° |
| 121.5° | 10° | 130.0° | 1.5° |
| 116.5° | 15° | 129.0° | 2.5° |
| 111.5° | 20° | 128.5° | 3.0° |
| 106.5° | 25° | 128.0° | 3.5° |
| 101.5° | 30° | 127.0° | 4.5° |
| 96.5° | 35° | 127.0° | 4.5° |
| 91.5° | 40° | 126.5° | 5.0° |
| 86.5° | 45° | 125.5° | 6.0° |
| 81.5° | 50° | 125.0° | 6.5° |
| 76.5° | 55° | 124.5° | 7.0° |
| 71.5° | 60° | 123.5° | 8.0° |
| 66.5° | 65° | 123.5° | 8.0° |
| 61.5° | 70° | 122.5° | 9.0° |
| 56.5° | 75° | 122.0° | 9.5° |
| | | | |

Marked as: D

TABLE XIX, e

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 143.5° | 0° | | |
| 138.5° | 5° | 143.0° | 0.5° |
| 133.5° | 10° | 142.0° | 1.5° |
| 128.5° | 15° | 142.0° | 1.5° |
| 123.5° | 20° | 141.0° | 2.5° |
| 118.5° | 25° | 140.5° | 3.0° |
| 113.5° | 30° | 140.0° | 3.5° |
| 108.5° | 35° | 139.0° | 4.5° |
| 103.5° | 40° | 139.0° | 4.5° |
| 98.5° | 45° | 138.5° | 5.0° |
| 93.5° | 50° | 138.0° | 5.5° |
| 88.5° | 55° | 137.5° | 6.0° |
| 83.5° | 60° | 136.5° | 7.0° |
| 78.5° | 65° | 136.5° | 7.0° |
| 73.5° | 70° | 136.0° | 7.5° |
| 68.5° | 75° | 135.5° | 8.0° |
| | | | |

Marked as: E

TABLE XIX, f

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 142.0° | 0° | | |
| 137.0° | 5° | 141.0° | 1.0° |
| 132.0° | 10° | 141.0° | 1.0° |
| 127.0° | 15° | 141.0° | 1.0° |
| 122.0° | 20° | 140.5° | 1.5° |
| 117.0° | 25° | 140.0° | 2.0° |
| 112.0° | 30° | 139.5° | 2.5° |
| 107.0° | 35° | 138.5° | 3.5° |
| 102.0° | 40° | 139.0° | 3.0° |
| 97.0° | 45° | 137.5° | 4.5° |
| 92.0° | 50° | 136.5° | 5.5° |
| 87.0° | 55° | 135.0° | 7.0° |
| 82.0° | 60° | 134.5° | 7.5° |
| 77.0° | 65° | 133.5° | 8.5° |
| 72.0° | 70° | 133.5° | 8.5° |
| 67.0° | 75° | 133.0° | 9.0° |
| | | | |

Marked as: F

TABLE XIX, g

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 131.0° | 0° | | |
| 126.0° | 5° | 130.5° | 0.5° |
| 121.0° | 10° | 129.5° | 1.5° |
| 116.0° | 15° | 129.5° | 1.5° |
| 111.0° | 20° | 129.0° | 2.0° |
| 106.0° | 25° | 128.5° | 2.5° |
| 101.0° | 30° | 128.0° | 3.0° |
| 96.0° | 35° | 127.5° | 3.5° |
| 91.0° | 40° | 127.0° | 4.0° |
| 86.0° | 45° | 127.0° | 4.0° |
| 81.0° | 50° | 126.5° | 4.5° |
| 76.0° | 55° | 126.0° | 5.0° |
| 71.0° | 60° | 125.0° | 6.0° |
| 66.0° | 65° | 124.5° | 6.5° |
| 61.0° | 70° | 124.0° | 7.0° |
| 56.0° | 75° | 123.0° | 8.0° |
| | | | |

Marked as: G

TABLE XIX, h

Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Initial Reading | Angular Deflection | Reading After Deflection | Angular Difference |
|---|---|---|---|
| 137.5° | 0° | | |
| 132.5° | 5° | 136.5° | 1.0° |
| 127.5° | 10° | 136.0° | 1.5° |
| 122.5° | 15° | 135.0° | 2.5° |
| 117.5° | 20° | 134.5° | 3.0° |
| 112.5° | 25° | 134.0° | 3.5° |
| 107.5° | 30° | 133.5° | 4.0° |
| 102.5° | 35° | 133.0° | 4.5° |
| 97.5° | 40° | 133.0° | 4.5° |
| 92.5° | 45° | 133.0° | 4.5° |
| 87.5° | 50° | 132.5° | 5.0° |
| 82.5° | 55° | 131.5° | 6.0° |
| 77.5° | 60° | 131.0° | 6.5° |
| 72.5° | 65° | 130.5° | 7.0° |
| 67.5° | 70° | 129.5° | 8.0° |
| 62.5° | 75° | 128.5° | 9.0° |
| | | | |

Marked as: H

TABLE XX, a

Means and Standard Deviations Derived From Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil Ortholoy

Batch number: 0911007

| Angle (degrees) | Mean (degrees) | S.D. (degrees) |
|---|---|---|
| 5° | 1.4° | 0.35° |
| 10° | 2.0° | 0.46° |
| 15° | 2.4° | 0.50° |
| 20° | 2.6° | 0.64° |
| 25° | 3.1° | 0.69° |
| 30° | 3.5° | 0.66° |
| 35° | 4.0° | 0.80° |
| 40° | 4.4° | 1.02° |
| 45° | 5.0° | 0.80° |
| 50° | 5.4° | 0.82° |
| 55° | 6.0° | 1.07° |
| 60° | 6.9° | 0.95° |
| 65° | 7.4° | 0.92° |
| 70° | 8.0° | 0.60° |
| 75° | 8.7° | 0.46° |

Marked as: 1

TABLE XX, b

Means and Standard Deviation Derived From Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 2-coil Australian

Batch number: 1132025

| Angle (degrees) | Mean (degrees) | S.D. (degrees) |
|---|---|---|
| 5° | 1.0° | 0.38° |
| 10° | 2.1° | 0.58° |
| 15° | 3.2° | 0.96° |
| 20° | 3.8° | 1.07° |
| 25° | 4.4° | 1.19° |
| 30° | 4.8° | 1.13° |
| 35° | 5.3° | 1.07° |
| 40° | 5.8° | 1.13° |
| 45° | 6.4° | 0.99° |
| 50° | 6.9° | 0.90° |
| 55° | 7.6° | 1.06° |
| 60° | 8.3° | 1.31° |
| 65° | 8.9° | 1.45° |
| 70° | 9.6° | 1.32° |
| 75° | 10.0° | 1.46° |

Marked as: 2

TABLE XX, c

Means and Standard Deviation Derived From Angular Deflection Measurements

TP Spring-pin - 0.014 inch, 3-coil Ortholoy

Batch number: 3511018

| Angle (degrees) | Mean (degrees) | S.D. (degrees) |
|---|---|---|
| 5° | 1.7° | 0.46° |
| 10° | 2.5° | 0.38° |
| 15° | 3.6° | 0.32° |
| 20° | 5.2° | 0.37° |
| 25° | 6.1° | 0.35° |
| 30° | 7.1° | 0.78° |
| 35° | 7.9° | 0.78° |
| 40° | 8.6° | 0.69° |
| 45° | 9.3° | 0.71° |
| 50° | 10.0° | 0.66° |
| 55° | 10.9° | 0.56° |
| 60° | 11.8° | 0.71° |
| 65° | 12.2° | 0.53° |
| 70° | 13.2° | 0.53° |
| 75° | 13.9° | 0.58° |

Marked as: 3

TABLE XX, d

Means and Standard Deviation Derived From Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Australian

Batch number: 0712010

| Angle (degrees) | Mean (degrees) | S.D. (degrees) |
|---|---|---|
| 5° | 0.5° | 0.32° |
| 10° | 0.6° | 0.23° |
| 15° | 1.0° | 0.27° |
| 20° | 1.2° | 0.37° |
| 25° | 1.6° | 0.35° |
| 30° | 1.9° | 0.44° |
| 35° | 2.3° | 0.60° |
| 40° | 2.5° | 0.60° |
| 45° | 2.9° | 0.58° |
| 50° | 3.4° | 0.58° |
| 55° | 3.9° | 0.56° |
| 60° | 4.5° | 0.66° |
| 65° | 5.1° | 0.50° |
| 70° | 5.8° | 0.66° |
| 75° | 6.1° | 0.69° |

Marked as: 4

TABLE XX, e

Means and Standard Deviation Derived From Angular Deflection Measurements

TP Spring-pin - 0.016 inch, 2-coil Ortholoy

Batch number: 143002

| Angle (degrees) | Mean (degrees) | S.D. (degrees) |
|---|---|---|
| 5° | 0.8° | 0.46° |
| 10° | 1.3° | 0.53° |
| 15° | 1.7° | 0.46° |
| 20° | 1.9° | 0.68° |
| 25° | 2.4° | 0.68° |
| 30° | 2.6° | 0.62° |
| 35° | 2.9° | 0.58° |
| 40° | 3.4° | 0.56° |
| 45° | 4.1° | 0.82° |
| 50° | 4.6° | 0.78° |
| 55° | 4.9° | 0.68° |
| 60° | 5.9° | 0.84° |
| 65° | 6.4° | 1.00° |
| 70° | 6.6° | 0.80° |
| 75° | 7.5° | 0.76° |

Marked as: 5

TABLE XX, f

Means and Standard Deviation Derived From Angular Deflection Measurements

TP Spring-pin - 0.018 inch, 2-coil Ortholoy

Batch number: 318900

| Angle (degrees) | Mean (degrees) | S.D. (degrees) |
|---|---|---|
| 5° | 0.9° | 0.32° |
| 10° | 1.4° | 0.23° |
| 15° | 1.9° | 0.62° |
| 20° | 2.3° | 0.53° |
| 25° | 2.9° | 0.64° |
| 30° | 3.6° | 0.82° |
| 35° | 4.3° | 0.54° |
| 40° | 4.5° | 0.85° |
| 45° | 5.1° | 0.74° |
| 50° | 5.6° | 0.64° |
| 55° | 6.3° | 0.65° |
| 60° | 6.9° | 0.62° |
| 65° | 7.4° | 0.70° |
| 70° | 7.9° | 0.82° |
| 75° | 8.6° | 0.78° |

Marked as: 6

TABLE XXI, a

Analysis of Variance for Force-Deflection Readings

30 gm Loading

| Source of Variation (S of V) | Degrees of Freedom (d.f.) | Sum of Squares (S.S.) | Mean Square (M.S) | F (F) |
|---|---|---|---|---|
| Between 1,2, & 3 | 2 | 12.5625 | 6.2813 | |
| Between 4 & 5 | 1 | 1.000 | 1.000 | |
| Between groups | 2 | 89.4167 | 44.7083 | |
| Due to differences between springs | 5 | 102.9792 | 20.5958 | 69.2 |
| Within Sample (or Error) | 42 | 12.5 | 0.2976 | |
| Total | 47 | 115.4792 | | |

$F_{5,42}(.95) = 2.44$

Mean deflections

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 7.6875 | 6 | 6.375 | 4.0625 | 4.5625 | 3.4375 |

95% Scheffé simultaneous bounds for differences $\pm$ 0.9528

Conclude that there are no differences in mean angle deflections between

(a) Springs 2 and 3

(b) Springs 4 and 5

Differences between groups are highly significant.

TABLE XXI, b

Analysis of Variance for Force-Deflection Readings

Loading: 80 gms

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 1,2 & 3 | 2 | 9.1875 | 4.5938 | |
| Between 4 & 5 | 1 | 25 | 25 | |
| Between groups | 2 | 679.2135 | 339.6068 | |
| due to springs | 5 | 713.4010 | 142.6802 | 65.97 |
| Within samples (or Error) | 42 | 90.8438 | 2.1629 | |
| Total | 47 | 804.2448 | | |

Mean deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 18.4375 | 16.9375 | 17.5 | 10.1875 | 12.6875 | 8.3125 |

95% Scheffé simultaneous bounds for differences $\pm$ 2.568

Conclude that there are no differences in mean angle deflections between

(a) Spring 1,2 and 3

(b) Springs 4 and 5 (marginally)

Differences between groups are highly significant.

TABLE XXI, c

Analysis of Variance for Force-Deflection Readings

Loading: 130 gms

| (S of V) | (d.f) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 1,2 and 3 | 2 | 32.333 | 16.17 | |
| Between 4 and 5 | 1 | 23.766 | 23.766 | |
| Between groups | 2 | 1,970.651 | 985.33 | |
| due to springs | 5 | 2,026.75 | 405.35 | 125.18 |
| Within samples | 42 | 136.0 | 3.238 | |
| Total | 47 | 2,162.75 | | |

Mean deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 27.5625 | 26.8125 | 29.5625 | 16.5 | 18.9375 | 11.875 |

95% Scheffé simultaneous bounds for differences $\pm$ 3.1426

Conclude that there are no differences in mean angle deflections between

(a) Springs 1,2, and 3

(b) Spring 4 and 5

Differences between groups are highly significant.

TABLE XXI, d

Analysis of Variance for Force-Deflection Readings

Loading: 180 gms

| (S of V) | (d.f) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 1,2 & 3 | 2 | 166.333 | 83.167 | |
| Between 4 & 5 | 1 | 2.25 | 2.25 | |
| Between groups due to springs | 2 | 3860.834 | 1930.42 | 201.47 |
| | 5 | 4029.417 | 805.883 | |
| Within samples | 42 | 168 | 4.0 | |
| Total | 47 | 4197.417 | | |

Mean deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 35.25 | 37 | 41.5 | 22.75 | 23.5 | 15.75 |

95% Scheffé simultaneous bounds for differences $\pm$ 3.4928

Conclude that there are no differences in mean angle deflections between

(a) Springs 1 and 2

(b) Springs 5 and 4

Differences between groups are highly significant.

TABLE XXI, e

Analysis of Variance for Force-Deflection Readings

Loading: 230 gms

| (S of V) | (d.f) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 1,2 & 3 | 2 | 172.3958 | 86.198 | |
| Between 4 & 5 | 1 | 5.0625 | 5.0625 | |
| Between groups | 2 | 5,578.0209 | 2,789.01 | |
| due to springs | 5 | 5,755.4792 | 1,151.096 | 212.5 |
| Within samples | 42 | 227.5 | 5.417 | |
| Total | 47 | 5,982.9792 | | |

Mean deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 42.5 | 45.9375 | 49.0625 | 27.5625 | 28.6875 | 19.125 |

95% Scheffe simultaneous bounds for differences $\pm$ 4.0646

Conclude that there are no differences in mean angle deflections between

(a) Springs 3 and 2

(b) Springs 4 and 5

Differences between groups are highly significant.

TABLE XXI, f

Analysis of Variance for Force-Deflection Readings

Loading: 280 gms

| (S of V) | (d.f) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 1,2 & 3 | 2 | 160.1458 | 80.073 | |
| Between 4 & 5 | 1 | 5.6406 | 5.6406 | |
| Between groups | 2 | 6,620.901 | 3,310.45 | |
| due to springs | 5 | 6,786.6875 | 7,357.33 | 187.76 |
| Within sample | 42 | 303.625 | 7.229 | |
| Total | 47 | 7,090.3125 | | |

Mean deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 48.4375 | 52.875 | 54.5625 | 32.125 | 33.3125 | 22.8125 |

95% Scheffé simultaneous bounds for differences $\pm$ 4.6956

Conclude that there are no differences in mean angle deflections between

(a) Springs 2 and 3

(b) Springs 4 and 5

Differences between groups are highly significant.

TABLE XXI, g

Analysis of Variance for Force-Deflection Readings

Loading: 380 gms

| (S of V) | (d.f) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 1,2 & 3 | 2 | 186.5208 | 93.26 | |
| Between 4 & 5 | 1 | 0.5625 | 0.5625 | |
| Between groups due to springs | 2 | 8,290.8177 | 4,145.41 | |
| | 5 | 8,477.901 | 1,695.58 | 230.86 |
| Within samples | 42 | 308.469 | 7.3445 | |
| Total | 47 | 8,786.37 | | |

Mean deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 58.0625 | 64.5625 | 63.125 | 40.5625 | 40.1875 | 29.3125 |

95% Scheffé simultaneous bounds for differences $\pm$ 4.7329

Conclude that there are no differences in mean angle deflections between

(a) Springs 2 and 3

(b) Springs 4 and 5

Difference between groups are highly significant.

TABLE XXI, h

Analysis of Variance for Force-Deflection Readings

Loading: 480 gms

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 1,2, & 3 | 2 | 212.33 | 106.17 | |
| Between 4 & 5 | 1 | 4 | 4 | |
| Between groups | 2 | 9,582.95 | 4,791.47 | |
| due to springs | 5 | 9,799.28 | 1,959.86 | 223.8 |
| Within samples | 42 | 367.84 | 8.758 | |
| Total | 47 | 10,167.12 | | |

Mean deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 65.8125 | 73.0625 | 70.0625 | 45.8125 | 46.8125 | 34.75 |

95% Scheffé simultaneous bounds for differences $\pm$ 5.1684

Conclude that there are no differences in mean angle deflections between

(a) Springs 2 and 3

(b) Springs 4 and 5

Differences between groups are highly significant.

TABLE XXI, i

Analysis of Variance for Force-Deflection Readings

Loading: 580 gms

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 4 & 5 | 1 | 0.3906 | 0.3906 | |
| Between groups due to springs | 2 | 748.521 | 374.26 | 42.2 |
| Within samples | 21 | 186.437 | 8.878 | |
| Total | 23 | 934.958 | | |

$F_{2,21}(.95) = 3.47$

Mean deflections:

| Spring type | 4 | 5 | 6 |
|---|---|---|---|
| | 52.5625 | 52.25 | 40.5625 |

95% Scheffé simultaneous bounds for differences $\pm$ 3.9247

Conclude that there is no difference in mean angle deflection between springs 4 and 5 but that these springs differ significantly from spring 6.

TABLE XXI, j

Analysis of Variance for Force-Deflection Readings

Loading: 680 gms

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| Between 4 & 5 | 1 | 4.5156 | 4.5156 | |
| Between groups | 1 | 764.0052 | 764.0052 | |
| due to springs | 2 | 768.5208 | 384.2604 | 54.96 |
| Within samples | 21 | 146.8125 | 6.991 | |
| Total | 23 | 915.3333 | | |

Mean deflections:

| Spring type | 4 | 5 | 6 |
|---|---|---|---|
| | 57.4375 | 56.375 | 44.9375 |

95% Scheffé simultaneous bounds for differences $\pm$ 3.4827

Conclude that there is no difference in mean angle deflection between springs 4 and 5 but that these springs differ significantly from spring 6.

TABLE XXII, a

Analysis of Variance for Angular Deflection Readings

Angular Deflection $5^{o}$ $F_{5,42}(.95) = 2.44$

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 7.6667 | 1.5333 | 10.304 |
| Within samples | 42 | 6.25 | 0.1488 | |
| Total | 47 | 13.9167 | | |

Mean of angular deflections:

| Spring type: | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 1.375 | 1 | 1.6875 | 0.4375 | 0.8125 | 0.9375 |

95% Scheffe simultaneous bounds for differences $\pm$ 0.6737

Angular Deflection $10^{o}$

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 18.4844 | 3.6969 | 20.45 |
| Within samples | 42 | 7.5937 | 0.1808 | |
| Total | 47 | 26.0781 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 2 | 2.125 | 2.5 | 0.625 | 1.3125 | 1.375 |

95% Scheffe simultaneous bounds for differences $\pm$ 0.7426

TABLE XXII, b

Analysis of Variance for Angular Deflection Readings

Angular Deflection 15°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 36.7760 | 7.3552 | 22.72 |
| Within samples | 42 | 13.5938 | 0.3237 | |
| Total | 47 | 50.3698 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 2.4375 | 3.1875 | 3.5625 | 1 | 1.6875 | 1.9375 |

95% Scheffe simultaneous bounds for differences ± 0.9936

Angular Deflection 20°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 81.6667 | 16.3333 | 38.11 |
| Within samples | 42 | 18.00 | 0.4286 | |
| Total | 47 | 99.6667 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 2.625 | 3.75 | 5.1875 | 1.1875 | 1.9375 | 2.3125 |

95% Scheffe simultaneous bounds for differences ± 1.1433

TABLE XXII, c

Analysis of Variance for Angular Deflection Readings

Angular Deflection 25°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 102.4010 | 20.4802 | 40.78 |
| Within samples | 42 | 21.0938 | 0.5022 | |
| Total | 47 | 123.4948 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 3.125 | 4.375 | 6.125 | 1.625 | 2.4375 | 2.875 |

95% Scheffe simultaneous bounds for differences ± 1.2377

Angular Deflection 30°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 135.0885 | 27.0177 | 45.33 |
| Within samples | 42 | 25.0313 | 0.5960 | |
| Total | 47 | 160.1198 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 3.5 | 4.75 | 7.0625 | 1.875 | 2.5625 | 3.5625 |

95% Scheffe simultaneous bounds for differences ± 1.3482

TABLE XXII, d

Analysis of Variance for Angular Deflection Readings

Angular Deflection 35°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 163.75 | 32.75 | 58.38 |
| Within samples | 42 | 23.5625 | 0.5610 | |
| Total | 47 | 187.3125 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 4 | 5.3125 | 7.9375 | 2.25 | 2.875 | 4.25 |

95% Scheffe simultaneous bounds for differences ± 1.3081

Angular Deflection 40°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 183.8385 | 36.7677 | 52.74 |
| within samples | 42 | 29.2813 | 0.6972 | |
| Total | 47 | 213.1198 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 4.4375 | 5.8125 | 8.625 | 2.5 | 3.4375 | 4.5 |

95% Scheffe simultaneous bounds for differences ± 1.4582

TABLE XXII, e

Analysis of Variance for Angular Deflection Readings

Angular Deflection 45°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 193.2760 | 38.6552 | 62.82 |
| within samples | 42 | 25.8438 | 0.6153 | |
| Total | 47 | 219.1198 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 5 | 6.375 | 9.25 | 2.875 | 4.0625 | 5.125 |

95% Scheffe simultaneous bounds for differences: ± 1.370

Angular Deflection 50°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 210.3385 | 42.0677 | 77.13 |
| within samples | 42 | 22.9063 | 0.5454 | |
| Total | 47 | 233.2448 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 5.4375 | 6.9375 | 10 | 3.375 | 4.5625 | 5.625 |

95% Scheffe simultaneous bounds for differences: ± 1.290

TABLE XXII, f

Analysis of Variance for Angular Deflection Readings

Angular Deflection 55°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 236.9635 | 47.3927 | 73.30 |
| within samples | 42 | 27.1563 | 0.6466 | |
| Total | 47 | 264.1198 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 6 | 7.625 | 10.875 | 3.9375 | 4.9375 | 6.3125 |

95% Scheffe simultaneous bounds for differences: $\pm$ 1.4043

Angular Deflection 60°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to spring | 5 | 246.9010 | 49.3802 | 63.88 |
| within samples | 42 | 32.4688 | 0.7731 | |
| Total | 47 | 279.3698 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 6.875 | 8.25 | 11.75 | 4.5 | 5.875 | 6.9375 |

95% Scheffe simultaneous confidence bounds for differences:

$\pm$ 1.5355

TABLE XXII, g

Analysis of Variance for Angular Deflection Readings

Angular Deflection 65°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 241.6042 | 48.3208 | 58.19 |
| within sample | 42 | 34.875 | 0.8304 | |
| Total | 47 | 276.4792 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 7.375 | 8.9375 | 12.1875 | 5.0625 | 6.4375 | 7.375 |

95% Scheffe' simultaneous confidence bounds for differences:

$\pm$ 1.5914

Angular Deflection 70°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 273.2917 | 54.6583 | 77.33 |
| within samples | 42 | 29.6875 | 0.7068 | |
| Total | 47 | 302.9792 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 8 | 9.5 | 13.1875 | 5.75 | 6.75 | 7.9375 |

95% Scheffe simultaneous confidence bounds for differences:

$\pm$ 1.4683

TABLE XXII, h

Analysis of Variance for Angular Deflection Readings

Angular Deflection 75°

| (S of V) | (d.f.) | (S.S.) | (M.S.) | (F) |
|---|---|---|---|---|
| due to springs | 5 | 283.8125 | 56.7625 | 78.33 |
| within samples | 42 | 30.4375 | 0.7247 | |
| Total | 47 | 314.25 | | |

Mean of angular deflections:

| Spring type | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | 8.6875 | 10 | 13.875 | 6.125 | 7.5 | 8.5625 |

95% Scheffé simultaneous confidence bounds for differences:

± 1.4867