



Master Punch 30.2 Soft

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 63.058 | 26 | 63.052 |
| 2 | 63.049 | 27 | 62.923 |
| 3 | 63.046 | 28 | 63.061 |
| 4 | 63.049 | 29 | 62.926 |
| 5 | 63.055 | 30 | 63.061 |
| 6 | 63.064 | 31 | 62.923 |
| 7 | 63.066 | 32 | 63.055 |
| 8 | 63.066 | 33 | 62.881 |
| 9 | 62.871 | 34 | 62.989 |
| 10 | 62.860 | 35 | 62.869 |
| 11 | 62.861 | 36 | 62.977 |
| 12 | 62.875 | 37 | 62.897 |
| 13 | 62.893 | 38 | 63.004 |
| 14 | 62.905 | 39 | 62.906 |
| 15 | 62.903 | 40 | 63.016 |
| 16 | 62.892 | 41 | 20.538 |
| 17 | 62.915 | 42 | 20.539 |
| 18 | 63.046 | 43 | 13.158 |
| 19 | 62.905 | 44 | 13.160 |
| 20 | 63.040 | 45 | 63.062 |
| 21 | 62.901 | 46 | 62.869 |
| 22 | 63.039 | 47 | 62.881 |
| 23 | 62.907 | 48 | 62.903 |
| 24 | 63.043 | 49 | 62.900 |
| 25 | 62.915 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.187 |
| 2 | 0.189 |
| 3 | 0.185 |
| 4 | 0.174 |
| 5 | 0.162 |
| 6 | 0.159 |
| 7 | 0.163 |
| 8 | 0.174 |
| Average | 0.174 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.131 |
| 19 | 0.135 |
| 21 | 0.138 |
| 23 | 0.136 |
| 25 | 0.137 |
| 27 | 0.138 |
| 29 | 0.135 |
| 31 | 0.132 |
| Average | 0.135 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.108 |
| 35 | 0.108 |
| 37 | 0.107 |
| 39 | 0.110 |
| Average | 0.108 |

Dome

0.044

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.058 |
| D2 | 40.056 |
| D3 | 40.025 |
| D4 | 40.023 |
| D5 | 40.004 |
| D6 | 40.004 |





Master Punch 30.2 Hardened

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 63.006 | 26 | 63.008 |
| 2 | 62.999 | 27 | 62.876 |
| 3 | 62.998 | 28 | 63.016 |
| 4 | 63.003 | 29 | 62.879 |
| 5 | 63.009 | 30 | 63.016 |
| 6 | 63.016 | 31 | 62.875 |
| 7 | 63.020 | 32 | 63.009 |
| 8 | 63.016 | 33 | 62.833 |
| 9 | 62.822 | 34 | 62.942 |
| 10 | 62.811 | 35 | 62.824 |
| 11 | 62.813 | 36 | 62.933 |
| 12 | 62.828 | 37 | 62.849 |
| 13 | 62.843 | 38 | 62.961 |
| 14 | 62.854 | 39 | 62.859 |
| 15 | 62.852 | 40 | 62.969 |
| 16 | 62.841 | 41 | 20.530 |
| 17 | 62.866 | 42 | 20.533 |
| 18 | 62.999 | 43 | 13.144 |
| 19 | 62.856 | 44 | 13.150 |
| 20 | 62.993 | 45 | 63.008 |
| 21 | 62.854 | 46 | 62.822 |
| 22 | 62.991 | 47 | 62.835 |
| 23 | 62.859 | 48 | 62.858 |
| 24 | 62.998 | 49 | 62.850 |
| 25 | 62.869 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.184 |
| 2 | 0.188 |
| 3 | 0.185 |
| 4 | 0.175 |
| 5 | 0.166 |
| 6 | 0.162 |
| 7 | 0.168 |
| 8 | 0.175 |
| Average | 0.175 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.133 |
| 19 | 0.137 |
| 21 | 0.137 |
| 23 | 0.139 |
| 25 | 0.139 |
| 27 | 0.140 |
| 29 | 0.137 |
| 31 | 0.134 |
| Average | 0.137 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.109 |
| 35 | 0.109 |
| 37 | 0.112 |
| 39 | 0.110 |
| Average | 0.110 |

Dome

| |
|--------------|
| 0.038 |
|--------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.042 |
| D2 | 40.040 |
| D3 | 40.004 |
| D4 | 40.003 |
| D5 | 39.985 |
| D6 | 39.988 |



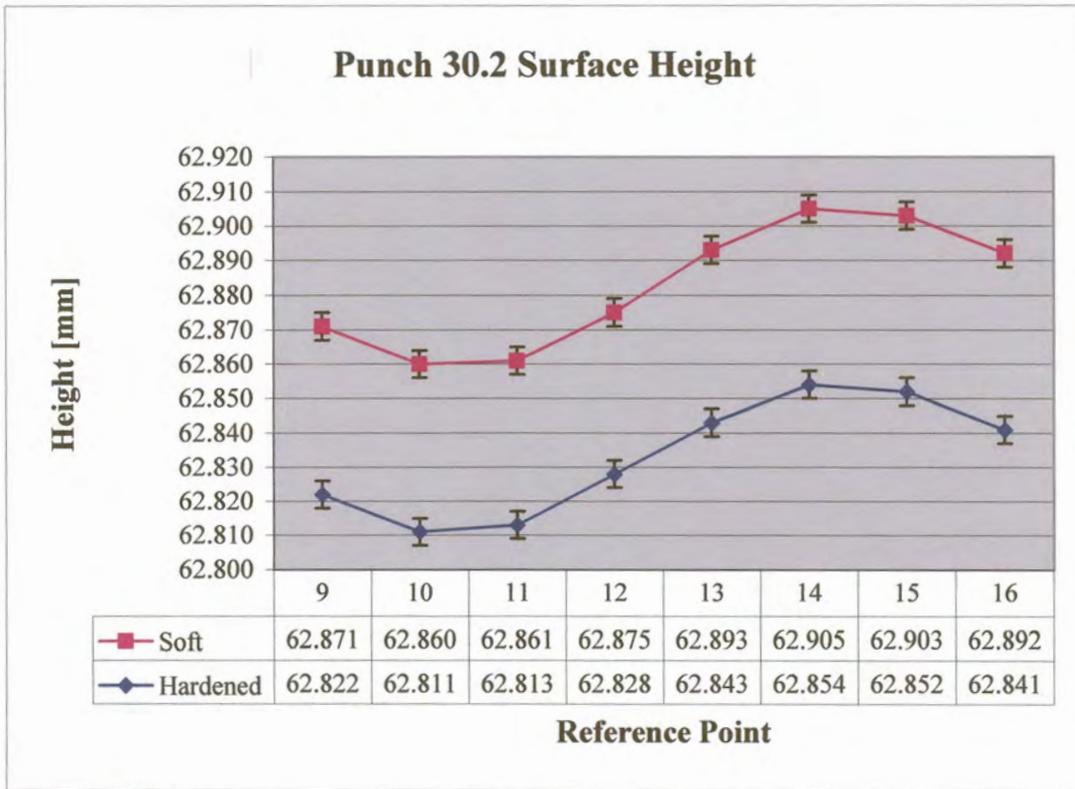


FIGURE F 37

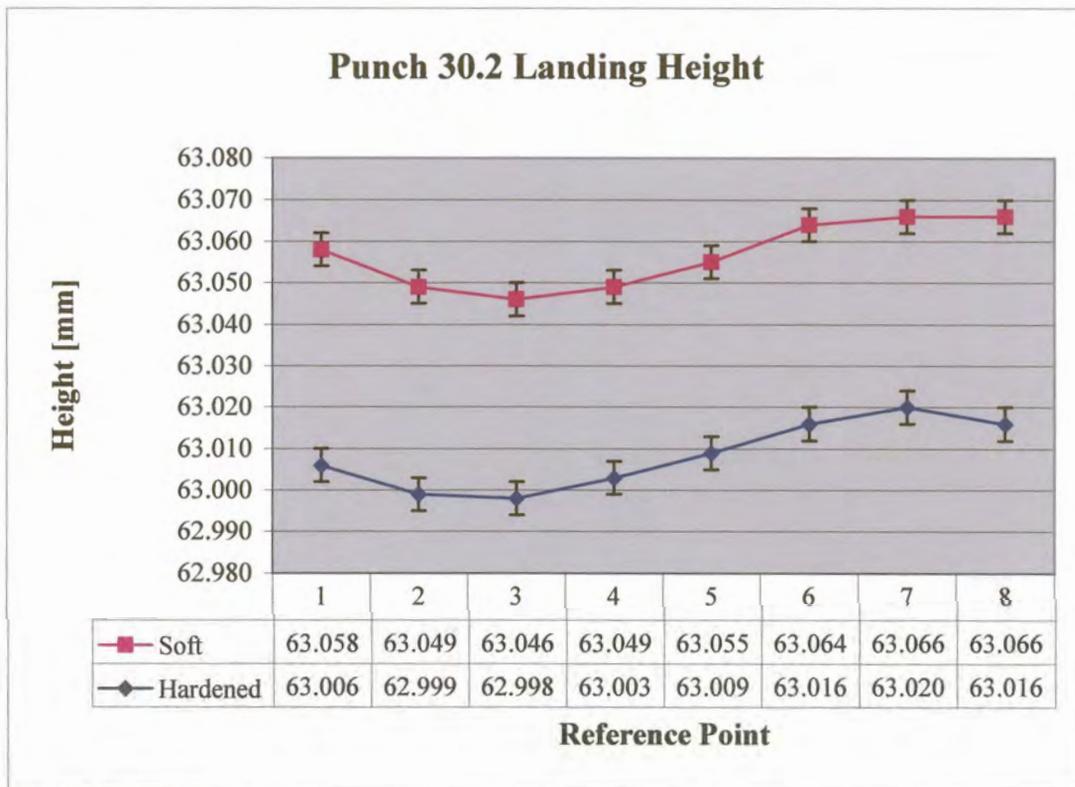


FIGURE F 38

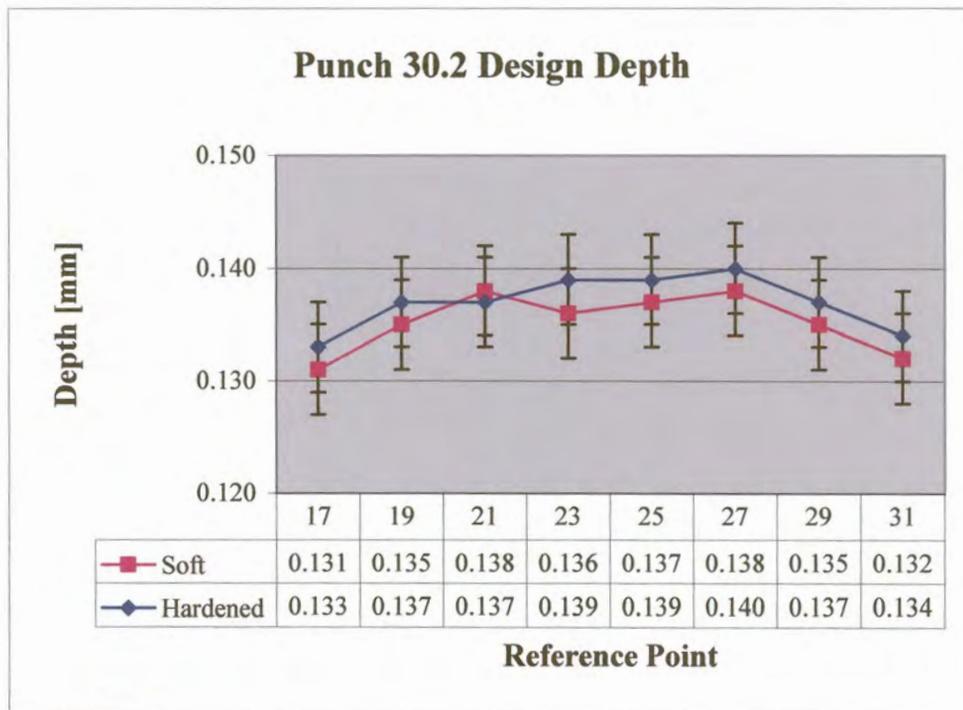


FIGURE F 39

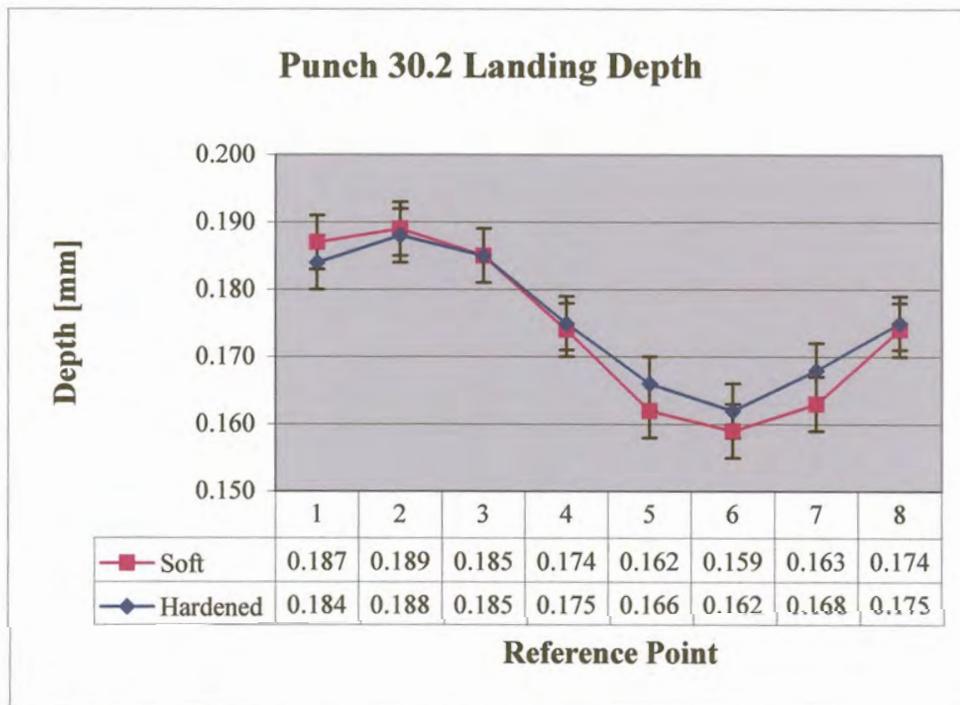


FIGURE F 40

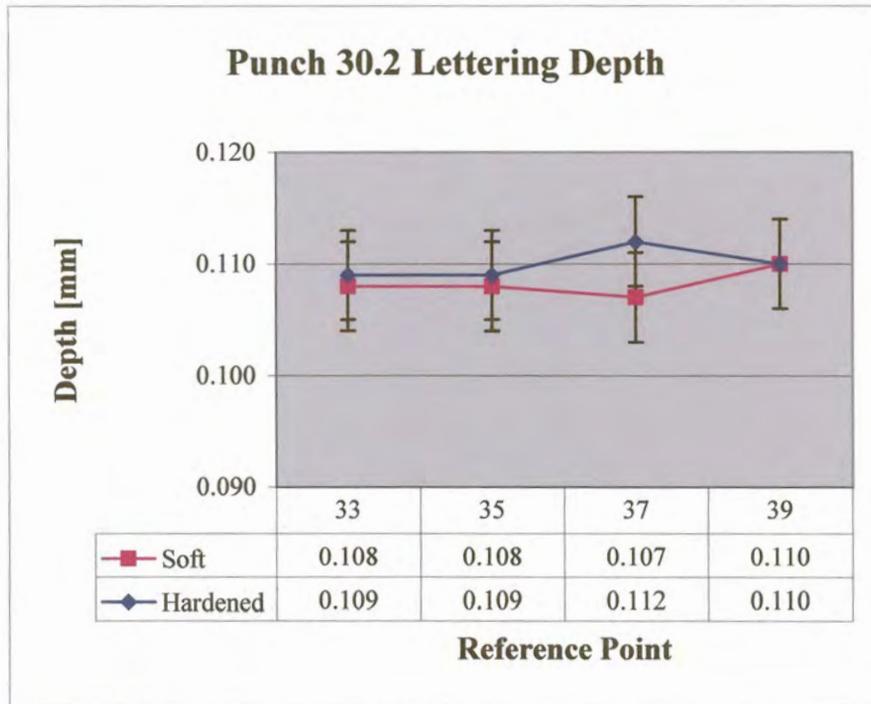


FIGURE F 41

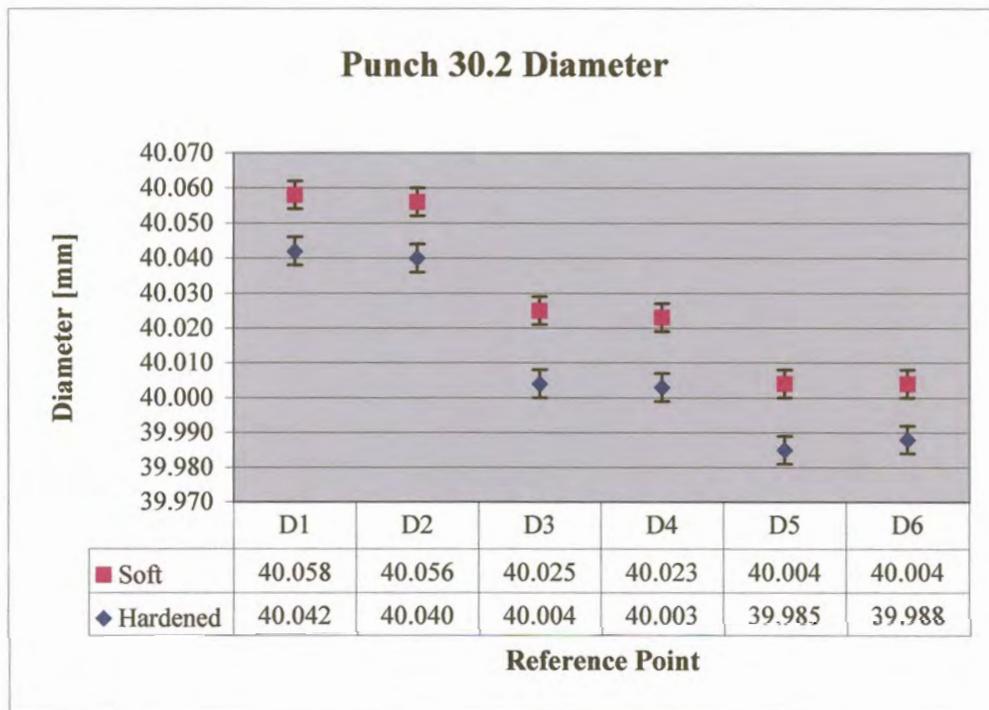


FIGURE F 42



Master Punch 30.3 Soft

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 59.758 | 26 | 59.681 |
| 2 | 59.753 | 27 | 59.549 |
| 3 | 59.747 | 28 | 59.686 |
| 4 | 59.741 | 29 | 59.553 |
| 5 | 59.740 | 30 | 59.691 |
| 6 | 59.744 | 31 | 59.555 |
| 7 | 59.753 | 32 | 59.690 |
| 8 | 59.757 | 33 | 59.560 |
| 9 | 59.565 | 34 | 59.666 |
| 10 | 59.555 | 35 | 59.547 |
| 11 | 59.553 | 36 | 59.653 |
| 12 | 59.558 | 37 | 59.556 |
| 13 | 59.567 | 38 | 59.665 |
| 14 | 59.574 | 39 | 59.568 |
| 15 | 59.578 | 40 | 59.677 |
| 16 | 59.577 | 41 | 20.447 |
| 17 | 59.552 | 42 | 20.445 |
| 18 | 59.684 | 43 | 13.101 |
| 19 | 59.542 | 44 | 13.103 |
| 20 | 59.680 | 45 | 59.661 |
| 21 | 59.537 | 46 | 59.549 |
| 22 | 59.676 | 47 | 59.549 |
| 23 | 59.540 | 48 | 59.562 |
| 24 | 59.675 | 49 | 59.568 |
| 25 | 59.543 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.193 |
| 2 | 0.198 |
| 3 | 0.194 |
| 4 | 0.183 |
| 5 | 0.173 |
| 6 | 0.170 |
| 7 | 0.175 |
| 8 | 0.180 |
| Average | 0.183 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.132 |
| 19 | 0.138 |
| 21 | 0.139 |
| 23 | 0.135 |
| 25 | 0.138 |
| 27 | 0.137 |
| 29 | 0.138 |
| 31 | 0.135 |
| Average | 0.137 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.106 |
| 35 | 0.106 |
| 37 | 0.109 |
| 39 | 0.109 |
| Average | 0.108 |

Dome

| |
|---------------|
| -0.041 |
|---------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.020 |
| D2 | 40.021 |
| D3 | 39.997 |
| D4 | 39.998 |
| D5 | 39.987 |
| D6 | 39.986 |





Master Punch 30.3 Hardened

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 59.738 | 26 | 59.650 |
| 2 | 59.730 | 27 | 59.519 |
| 3 | 59.724 | 28 | 59.658 |
| 4 | 59.715 | 29 | 59.524 |
| 5 | 59.716 | 30 | 59.663 |
| 6 | 59.722 | 31 | 59.528 |
| 7 | 59.732 | 32 | 59.663 |
| 8 | 59.738 | 33 | 59.538 |
| 9 | 59.544 | 34 | 59.645 |
| 10 | 59.531 | 35 | 59.521 |
| 11 | 59.528 | 36 | 59.629 |
| 12 | 59.531 | 37 | 59.531 |
| 13 | 59.541 | 38 | 59.639 |
| 14 | 59.549 | 39 | 59.548 |
| 15 | 59.556 | 40 | 59.654 |
| 16 | 59.554 | 41 | 20.440 |
| 17 | 59.522 | 42 | 20.444 |
| 18 | 59.658 | 43 | 13.084 |
| 19 | 59.515 | 44 | 13.088 |
| 20 | 59.652 | 45 | 59.623 |
| 21 | 59.509 | 46 | 59.526 |
| 22 | 59.647 | 47 | 59.523 |
| 23 | 59.509 | 48 | 59.540 |
| 24 | 59.645 | 49 | 59.549 |
| 25 | 59.513 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.194 |
| 2 | 0.199 |
| 3 | 0.196 |
| 4 | 0.184 |
| 5 | 0.175 |
| 6 | 0.173 |
| 7 | 0.176 |
| 8 | 0.184 |
| Average | 0.185 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.136 |
| 19 | 0.137 |
| 21 | 0.138 |
| 23 | 0.136 |
| 25 | 0.137 |
| 27 | 0.139 |
| 29 | 0.139 |
| 31 | 0.135 |
| Average | 0.137 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.107 |
| 35 | 0.108 |
| 37 | 0.108 |
| 39 | 0.106 |
| Average | 0.107 |



Dome

| |
|---------------|
| -0.056 |
|---------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.004 |
| D2 | 40.006 |
| D3 | 39.984 |
| D4 | 39.987 |
| D5 | 39.978 |
| D6 | 39.979 |

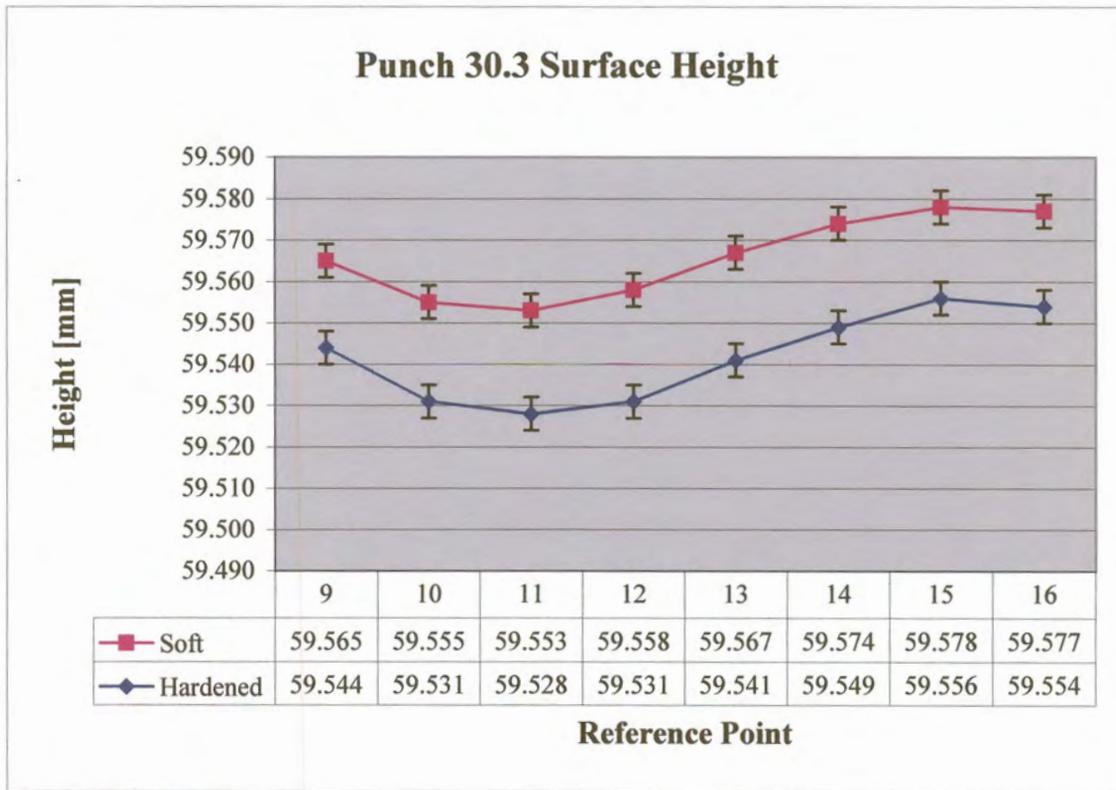


FIGURE F 43

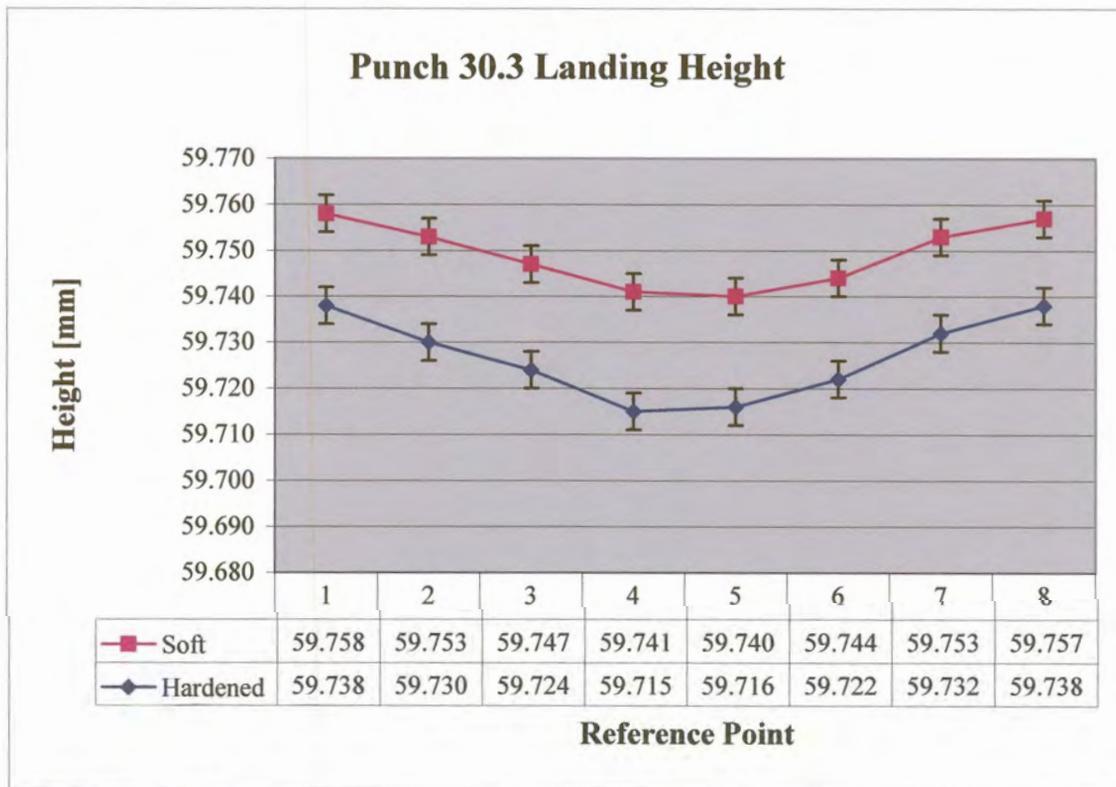


FIGURE F 44

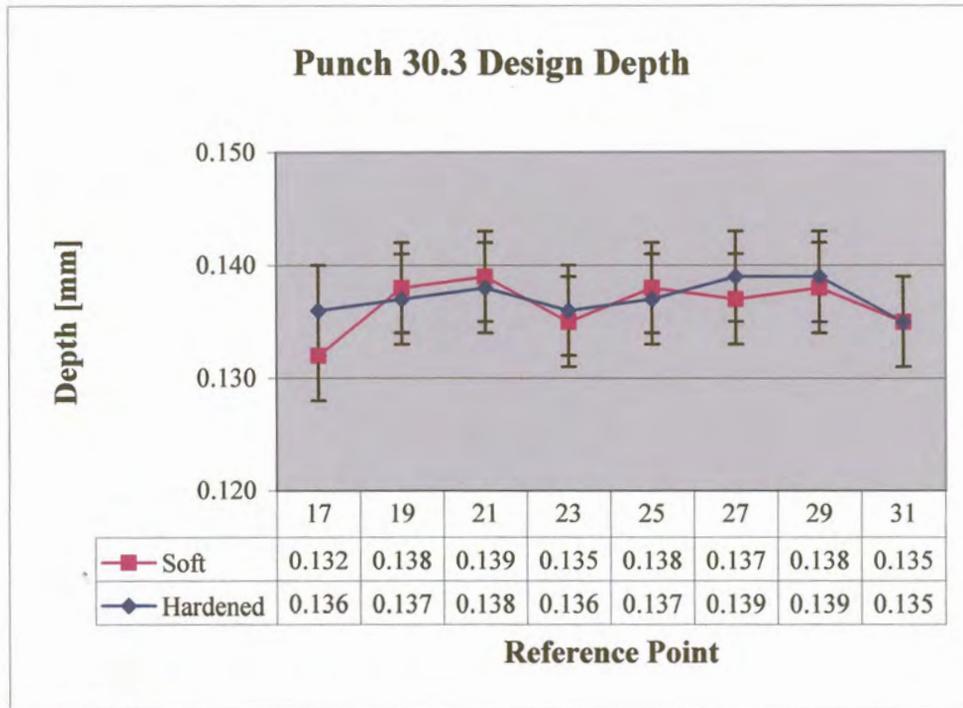


FIGURE F 45

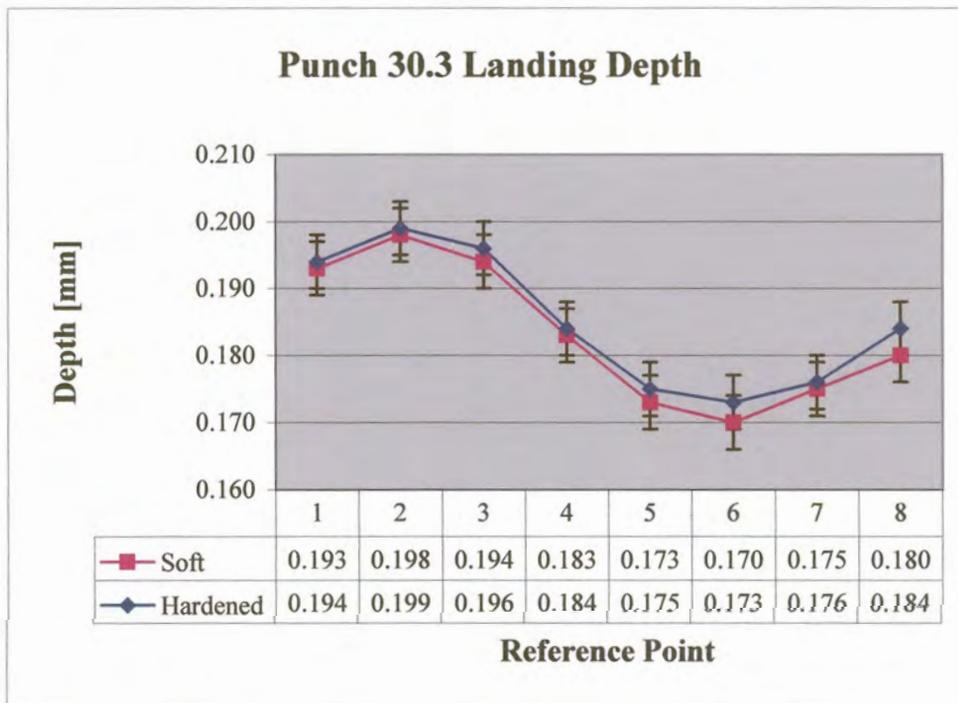


FIGURE F 46

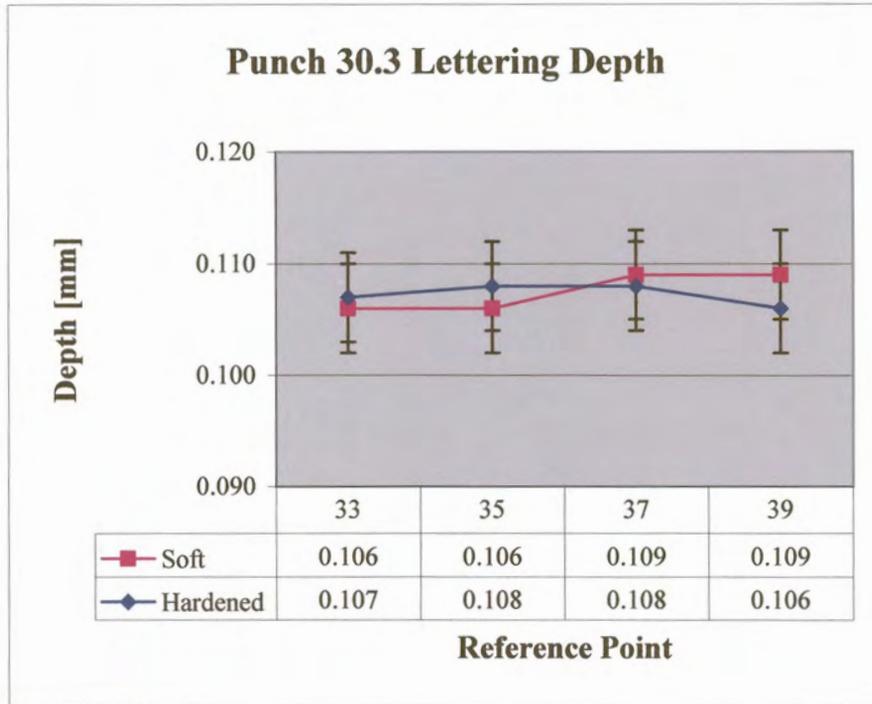


FIGURE F 47

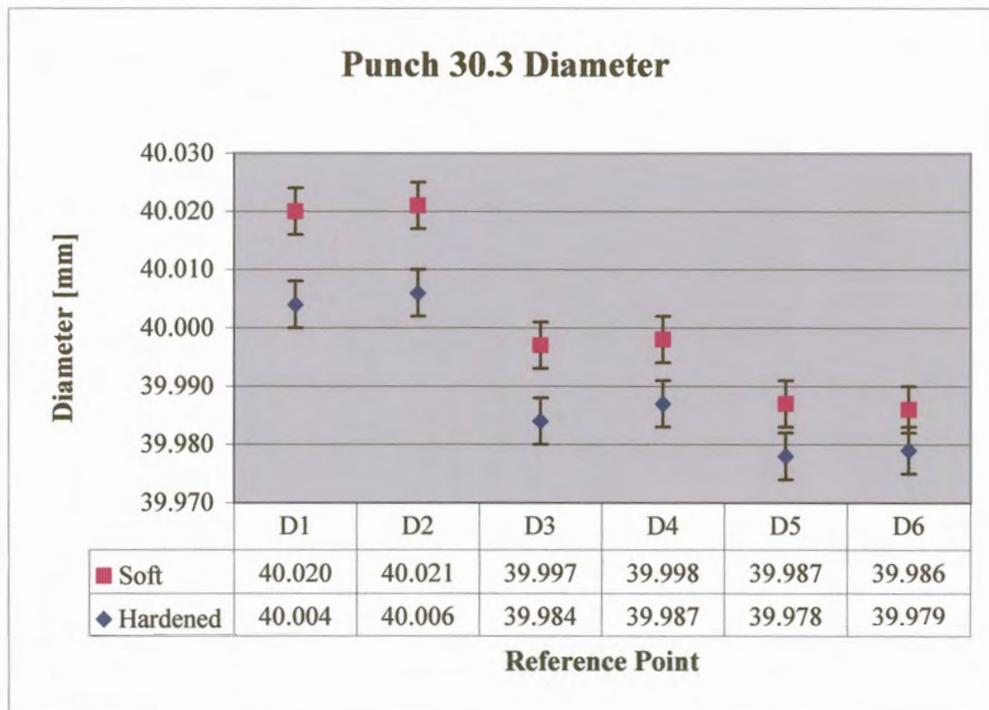


FIGURE F 48



Master Punch 30.4 Soft

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 61.841 | 26 | 61.831 |
| 2 | 61.841 | 27 | 61.698 |
| 3 | 61.840 | 28 | 61.835 |
| 4 | 61.838 | 29 | 61.699 |
| 5 | 61.838 | 30 | 61.834 |
| 6 | 61.837 | 31 | 61.697 |
| 7 | 61.838 | 32 | 61.830 |
| 8 | 61.839 | 33 | 61.664 |
| 9 | 61.655 | 34 | 61.771 |
| 10 | 61.650 | 35 | 61.660 |
| 11 | 61.654 | 36 | 61.770 |
| 12 | 61.663 | 37 | 61.675 |
| 13 | 61.671 | 38 | 61.784 |
| 14 | 61.674 | 39 | 61.676 |
| 15 | 61.671 | 40 | 61.786 |
| 16 | 61.666 | 41 | 20.533 |
| 17 | 61.695 | 42 | 20.530 |
| 18 | 61.826 | 43 | 13.160 |
| 19 | 61.689 | 44 | 13.157 |
| 20 | 61.826 | 45 | 61.840 |
| 21 | 61.689 | 46 | 61.656 |
| 22 | 61.824 | 47 | 61.668 |
| 23 | 61.693 | 48 | 61.676 |
| 24 | 61.828 | 49 | 61.671 |
| 25 | 61.697 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.186 |
| 2 | 0.191 |
| 3 | 0.186 |
| 4 | 0.175 |
| 5 | 0.167 |
| 6 | 0.163 |
| 7 | 0.167 |
| 8 | 0.173 |
| Average | 0.176 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.131 |
| 19 | 0.137 |
| 21 | 0.135 |
| 23 | 0.135 |
| 25 | 0.134 |
| 27 | 0.137 |
| 29 | 0.135 |
| 31 | 0.133 |
| Average | 0.135 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.107 |
| 35 | 0.110 |
| 37 | 0.109 |
| 39 | 0.110 |
| Average | 0.109 |

Dome

| |
|--------------|
| 0.042 |
|--------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.046 |
| D2 | 40.045 |
| D3 | 40.017 |
| D4 | 40.019 |
| D5 | 40.001 |
| D6 | 40.001 |





Master Punch 30.4 Hardened

* All measurements are in millimeters

Measurements

| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
|-------------------|---------------|-------------------|---------------|
| 1 | 61.812 | 26 | 61.808 |
| 2 | 61.810 | 27 | 61.675 |
| 3 | 61.811 | 28 | 61.812 |
| 4 | 61.810 | 29 | 61.676 |
| 5 | 61.810 | 30 | 61.811 |
| 6 | 61.809 | 31 | 61.673 |
| 7 | 61.810 | 32 | 61.806 |
| 8 | 61.813 | 33 | 61.636 |
| 9 | 61.626 | 34 | 61.746 |
| 10 | 61.621 | 35 | 61.635 |
| 11 | 61.625 | 36 | 61.746 |
| 12 | 61.634 | 37 | 61.649 |
| 13 | 61.643 | 38 | 61.760 |
| 14 | 61.645 | 39 | 61.650 |
| 15 | 61.643 | 40 | 61.761 |
| 16 | 61.637 | 41 | 20.526 |
| 17 | 61.670 | 42 | 20.527 |
| 18 | 61.802 | 43 | 13.145 |
| 19 | 61.664 | 44 | 13.143 |
| 20 | 61.801 | 45 | 61.812 |
| 21 | 61.665 | 46 | 61.632 |
| 22 | 61.802 | 47 | 61.643 |
| 23 | 61.667 | 48 | 61.650 |
| 24 | 61.804 | 49 | 61.646 |
| 25 | 61.672 | | |

Landing

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 1 | 0.186 |
| 2 | 0.189 |
| 3 | 0.186 |
| 4 | 0.176 |
| 5 | 0.167 |
| 6 | 0.164 |
| 7 | 0.167 |
| 8 | 0.176 |
| Average | 0.176 |

Design

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 17 | 0.132 |
| 19 | 0.137 |
| 21 | 0.137 |
| 23 | 0.137 |
| 25 | 0.136 |
| 27 | 0.137 |
| 29 | 0.135 |
| 31 | 0.133 |
| Average | 0.136 |

Lettering

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 33 | 0.110 |
| 35 | 0.111 |
| 37 | 0.111 |
| 39 | 0.111 |
| Average | 0.111 |

Dome

| |
|--------------|
| 0.042 |
|--------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.043 |
| D2 | 40.042 |
| D3 | 40.017 |
| D4 | 40.015 |
| D5 | 40.000 |
| D6 | 39.995 |



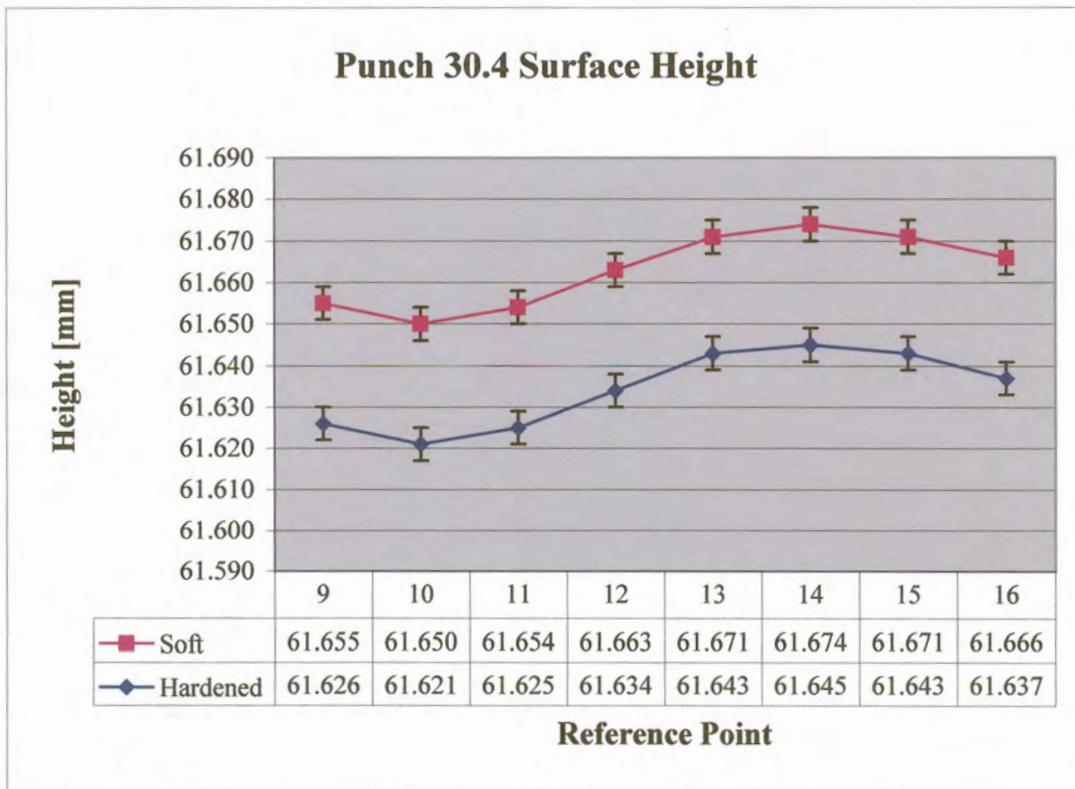


FIGURE F 49

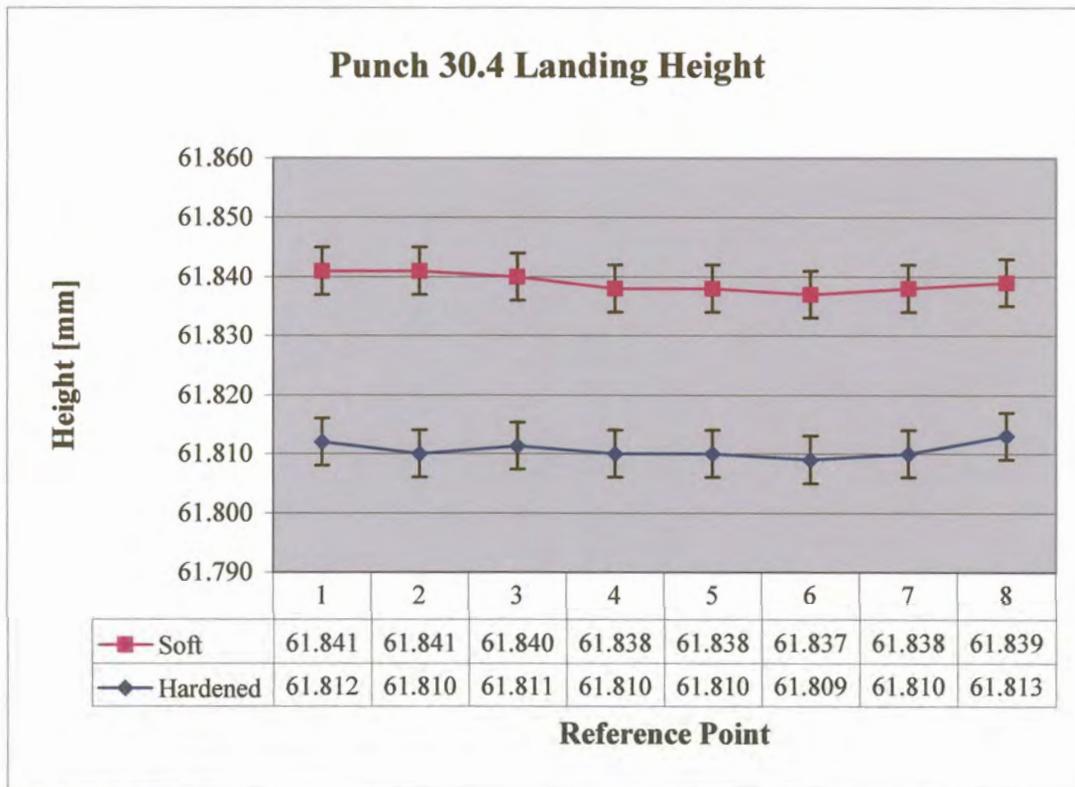


FIGURE F 50

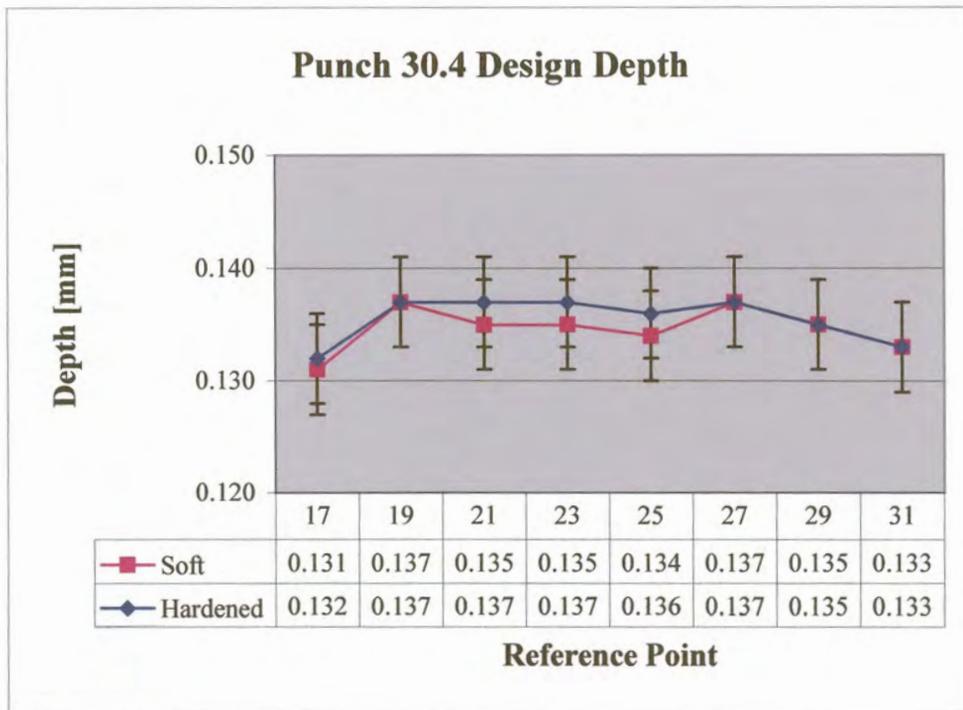


FIGURE F 51

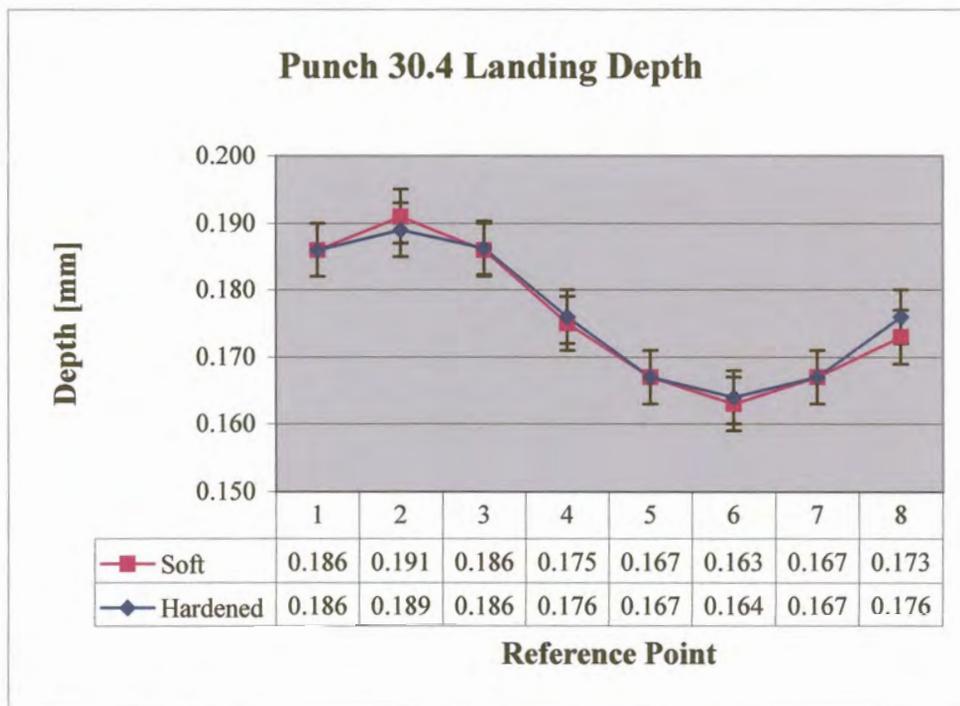


FIGURE F 52

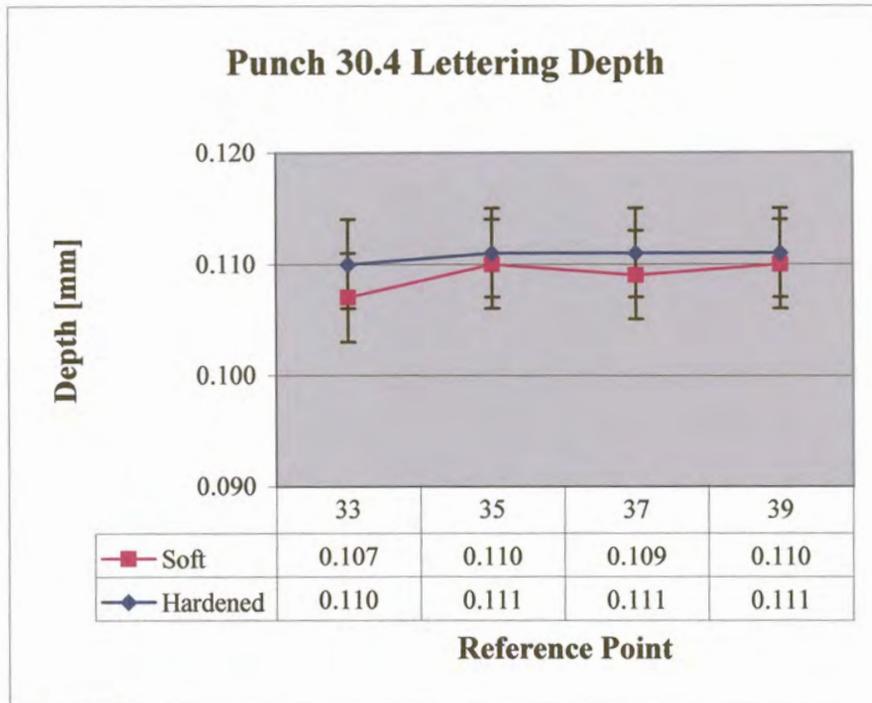


FIGURE F 53

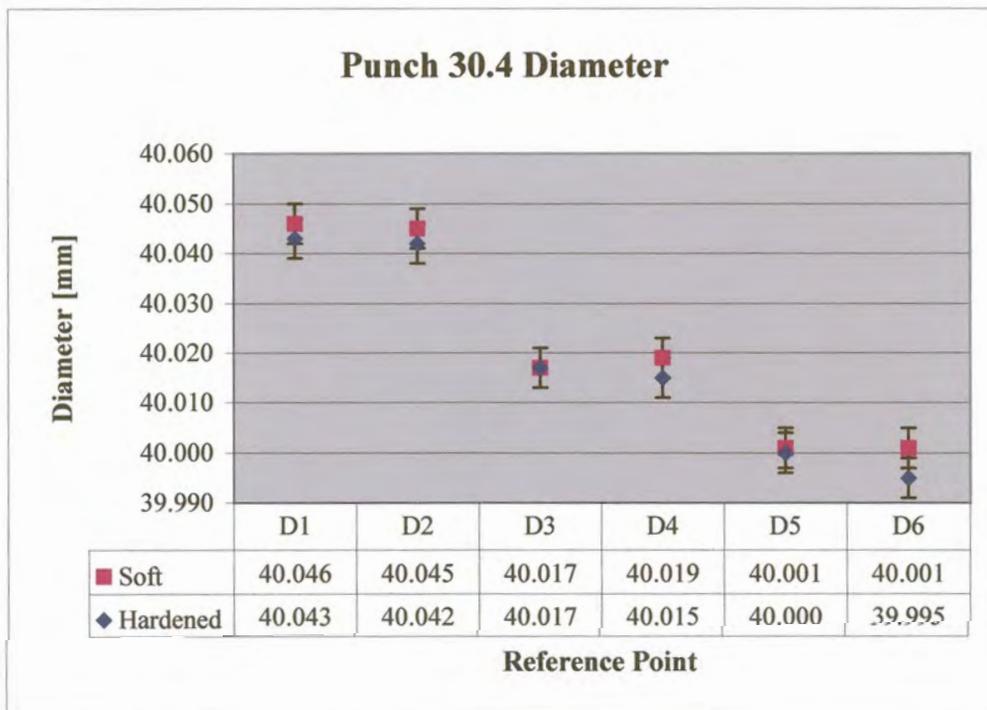


FIGURE F 54



Master Punch 30.5 Soft

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 60.410 | 26 | 60.381 |
| 2 | 60.415 | 27 | 60.245 |
| 3 | 60.420 | 28 | 60.382 |
| 4 | 60.420 | 29 | 60.242 |
| 5 | 60.419 | 30 | 60.378 |
| 6 | 60.415 | 31 | 60.238 |
| 7 | 60.409 | 32 | 60.372 |
| 8 | 60.408 | 33 | 60.224 |
| 9 | 60.223 | 34 | 60.332 |
| 10 | 60.223 | 35 | 60.228 |
| 11 | 60.230 | 36 | 60.337 |
| 12 | 60.240 | 37 | 60.243 |
| 13 | 60.246 | 38 | 60.352 |
| 14 | 60.246 | 39 | 60.238 |
| 15 | 60.238 | 40 | 60.346 |
| 16 | 60.231 | 41 | 20.481 |
| 17 | 60.233 | 42 | 20.486 |
| 18 | 60.369 | 43 | 13.124 |
| 19 | 60.231 | 44 | 13.127 |
| 20 | 60.370 | 45 | 60.369 |
| 21 | 60.236 | 46 | 60.223 |
| 22 | 60.374 | 47 | 60.238 |
| 23 | 60.240 | 48 | 60.242 |
| 24 | 60.377 | 49 | 60.231 |
| 25 | 60.245 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.187 |
| 2 | 0.192 |
| 3 | 0.190 |
| 4 | 0.180 |
| 5 | 0.173 |
| 6 | 0.169 |
| 7 | 0.171 |
| 8 | 0.177 |
| Average | 0.180 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.136 |
| 19 | 0.139 |
| 21 | 0.138 |
| 23 | 0.137 |
| 25 | 0.136 |
| 27 | 0.137 |
| 29 | 0.136 |
| 31 | 0.134 |
| Average | 0.137 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.108 |
| 35 | 0.109 |
| 37 | 0.109 |
| 39 | 0.108 |
| Average | 0.108 |

| <u>Dome</u> |
|---------------|
| -0.002 |

| <u>Diameter</u> | |
|-------------------|-----------------|
| <i>Ref. Point</i> | <i>Diameter</i> |
| D1 | 39.943 |
| D2 | 39.945 |
| D3 | 39.913 |
| D4 | 39.914 |
| D5 | 39.892 |
| D6 | 39.893 |





Master Punch 30.5 Hardened

* All measurements are in millimeters

Measurements

| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
|-------------------|---------------|-------------------|---------------|
| 1 | 60.406 | 26 | 60.374 |
| 2 | 60.414 | 27 | 60.237 |
| 3 | 60.419 | 28 | 60.373 |
| 4 | 60.415 | 29 | 60.235 |
| 5 | 60.410 | 30 | 60.372 |
| 6 | 60.404 | 31 | 60.232 |
| 7 | 60.401 | 32 | 60.365 |
| 8 | 60.403 | 33 | 60.221 |
| 9 | 60.216 | 34 | 60.328 |
| 10 | 60.218 | 35 | 60.227 |
| 11 | 60.229 | 36 | 60.335 |
| 12 | 60.233 | 37 | 60.235 |
| 13 | 60.238 | 38 | 60.344 |
| 14 | 60.236 | 39 | 60.231 |
| 15 | 60.230 | 40 | 60.339 |
| 16 | 60.223 | 41 | 20.477 |
| 17 | 60.229 | 42 | 20.480 |
| 18 | 60.363 | 43 | 13.115 |
| 19 | 60.227 | 44 | 13.120 |
| 20 | 60.365 | 45 | 60.354 |
| 21 | 60.230 | 46 | 60.220 |
| 22 | 60.367 | 47 | 60.231 |
| 23 | 60.233 | 48 | 60.234 |
| 24 | 60.370 | 49 | 60.222 |
| 25 | 60.236 | | |

Landing

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 1 | 0.190 |
| 2 | 0.196 |
| 3 | 0.190 |
| 4 | 0.182 |
| 5 | 0.172 |
| 6 | 0.168 |
| 7 | 0.171 |
| 8 | 0.180 |
| Average | 0.181 |

Design

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 17 | 0.134 |
| 19 | 0.138 |
| 21 | 0.137 |
| 23 | 0.137 |
| 25 | 0.138 |
| 27 | 0.136 |
| 29 | 0.137 |
| 31 | 0.133 |
| Average | 0.136 |

Lettering

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 33 | 0.107 |
| 35 | 0.108 |
| 37 | 0.109 |
| 39 | 0.108 |
| Average | 0.108 |

Dome

-0.010

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 39.935 |
| D2 | 39.933 |
| D3 | 39.914 |
| D4 | 39.913 |
| D5 | 39.893 |
| D6 | 39.892 |



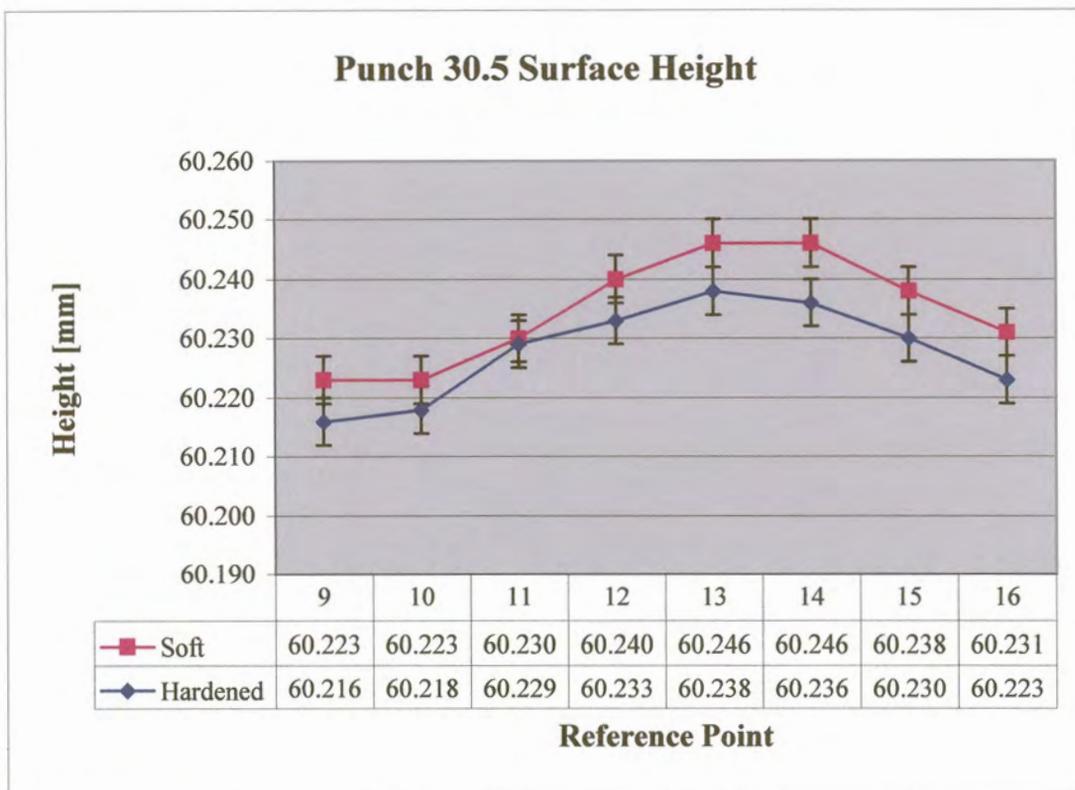


FIGURE F 55

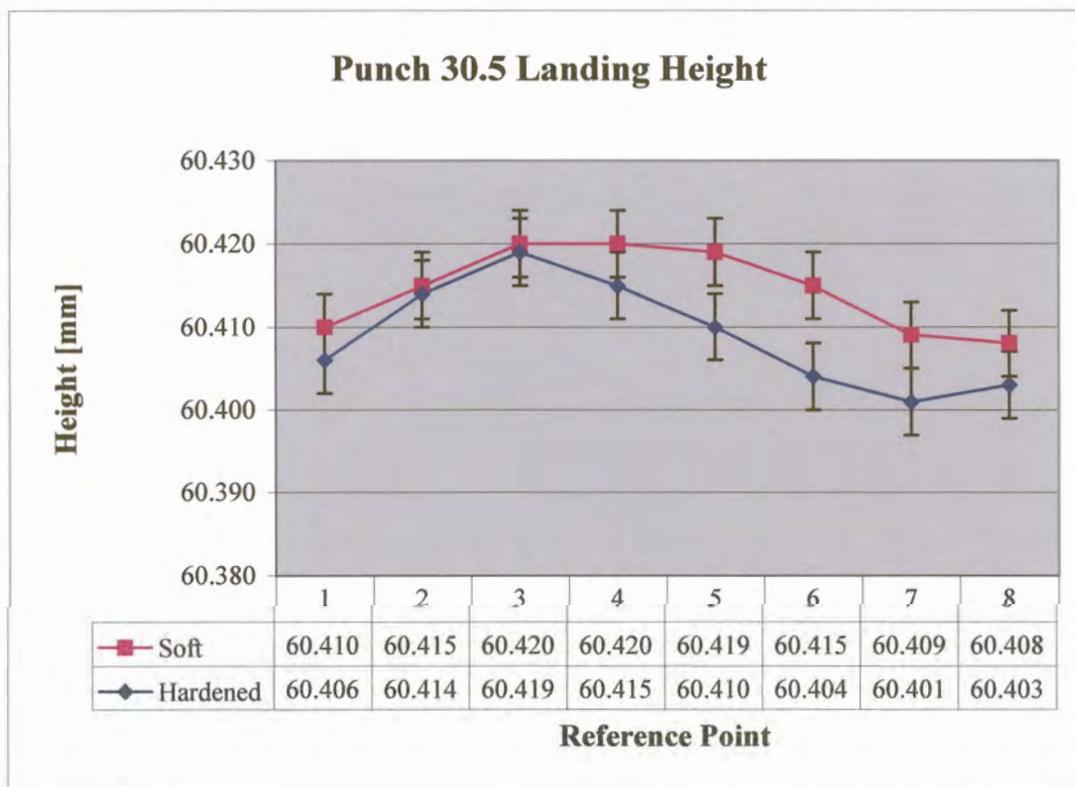


FIGURE F 56

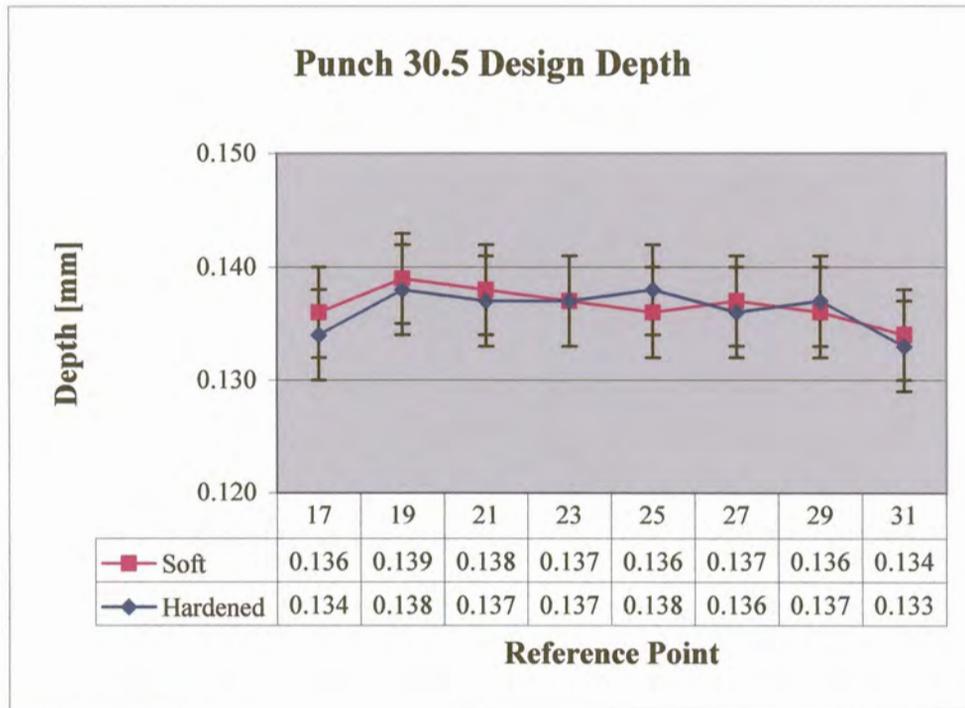


FIGURE F 57

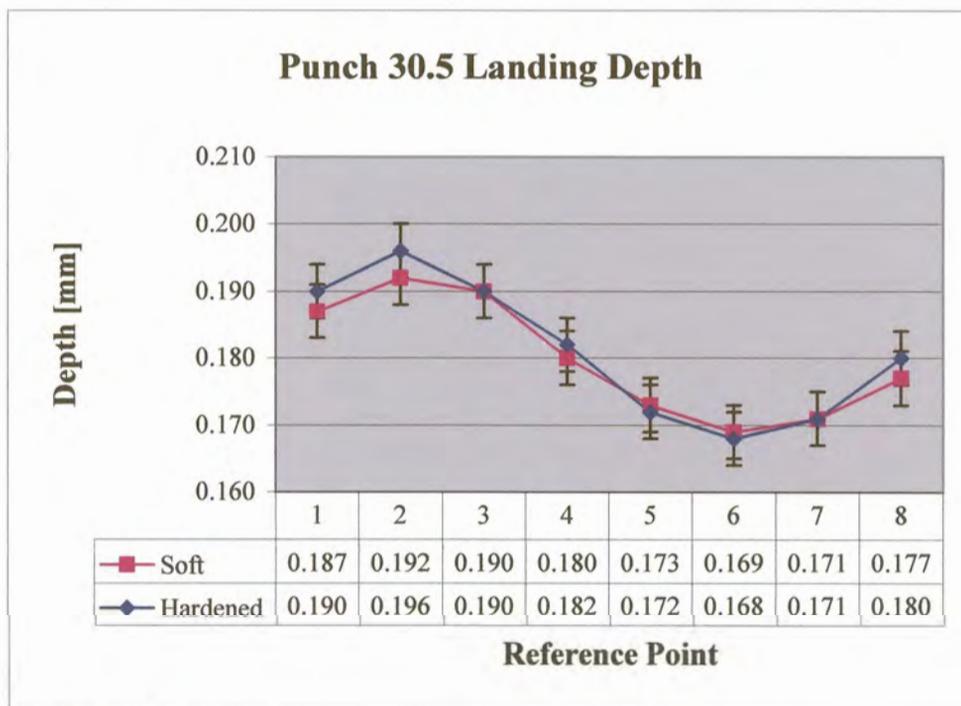


FIGURE F 58

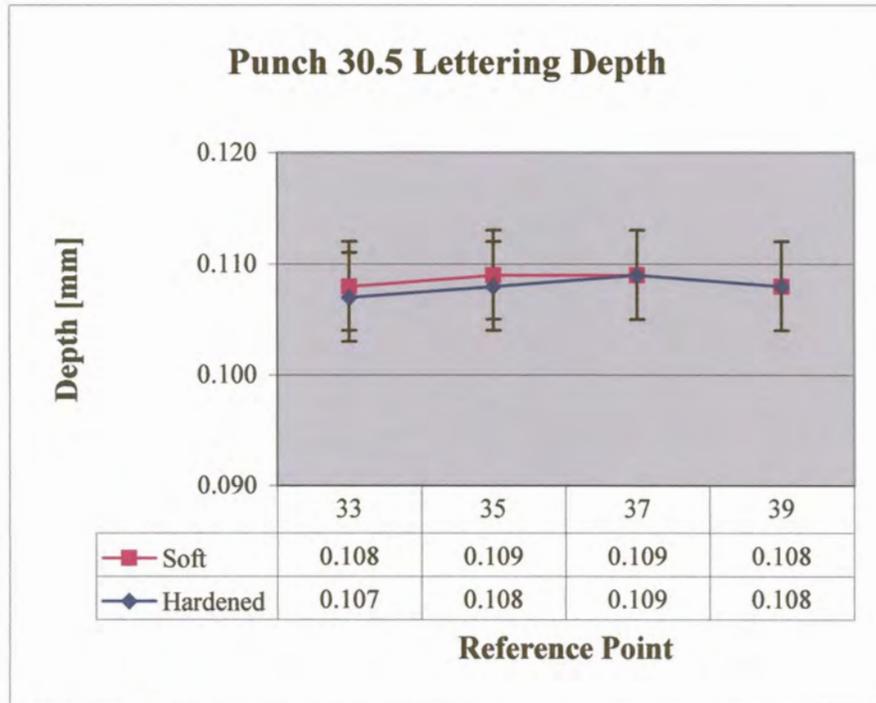


FIGURE F 59

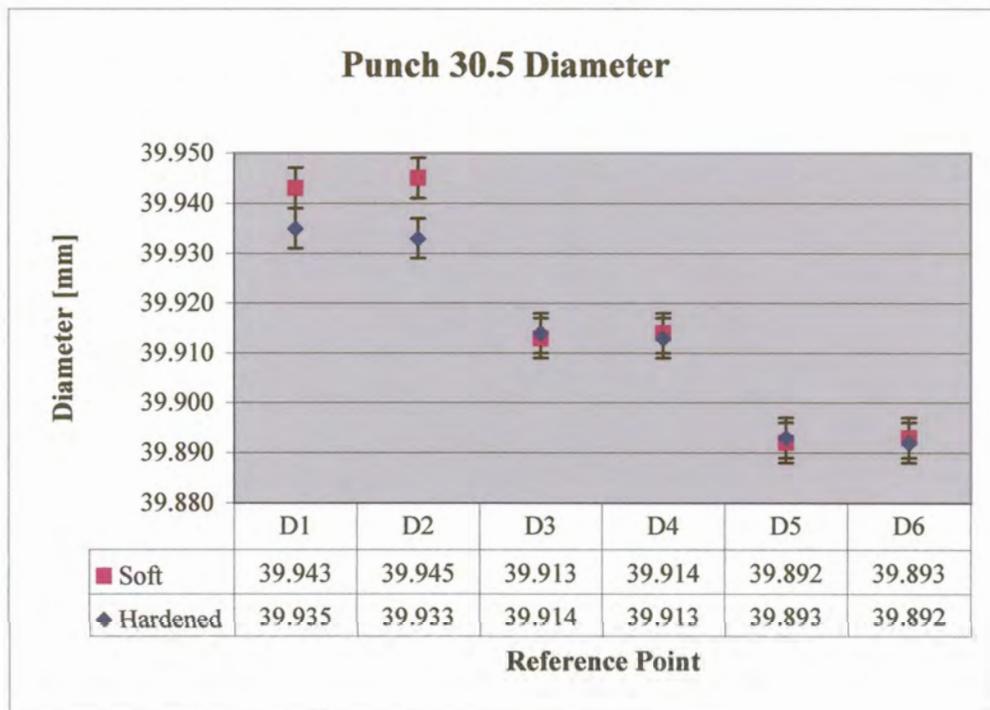


FIGURE F 60



Master Punch 35.1 Soft

* All measurements are in millimeters

Measurements

| Ref. Point | Height | Ref. Point | Height |
|------------|--------|------------|--------|
| 1 | 61.548 | 26 | 61.538 |
| 2 | 61.544 | 27 | 61.405 |
| 3 | 61.542 | 28 | 61.543 |
| 4 | 61.539 | 29 | 61.408 |
| 5 | 61.541 | 30 | 61.544 |
| 6 | 61.545 | 31 | 61.407 |
| 7 | 61.547 | 32 | 61.540 |
| 8 | 61.549 | 33 | 61.371 |
| 9 | 61.362 | 34 | 61.481 |
| 10 | 61.354 | 35 | 61.365 |
| 11 | 61.356 | 36 | 61.474 |
| 12 | 61.366 | 37 | 61.378 |
| 13 | 61.379 | 38 | 61.491 |
| 14 | 61.383 | 39 | 61.387 |
| 15 | 61.381 | 40 | 61.497 |
| 16 | 61.375 | 41 | 20.543 |
| 17 | 61.402 | 42 | 20.544 |
| 18 | 61.535 | 43 | 13.162 |
| 19 | 61.394 | 44 | 13.161 |
| 20 | 61.532 | 45 | 61.547 |
| 21 | 61.393 | 46 | 61.362 |
| 22 | 61.531 | 47 | 61.374 |
| 23 | 61.397 | 48 | 61.385 |
| 24 | 61.533 | 49 | 61.384 |
| 25 | 61.402 | | |

Landing

| Ref. Point | Depth |
|----------------|--------------|
| 1 | 0.186 |
| 2 | 0.190 |
| 3 | 0.186 |
| 4 | 0.173 |
| 5 | 0.162 |
| 6 | 0.162 |
| 7 | 0.166 |
| 8 | 0.174 |
| Average | 0.175 |

Design

| Ref. Point | Depth |
|----------------|--------------|
| 17 | 0.133 |
| 19 | 0.138 |
| 21 | 0.138 |
| 23 | 0.136 |
| 25 | 0.136 |
| 27 | 0.138 |
| 29 | 0.136 |
| 31 | 0.133 |
| Average | 0.136 |

Lettering

| Ref. Point | Depth |
|----------------|--------------|
| 33 | 0.110 |
| 35 | 0.109 |
| 37 | 0.113 |
| 39 | 0.110 |
| Average | 0.110 |



Dome

0.041

Diameter

| Ref. Point | Diameter |
|------------|----------|
| D1 | 40.053 |
| D2 | 40.053 |
| D3 | 40.028 |
| D4 | 40.027 |
| D5 | 40.012 |
| D6 | 40.012 |



Master Punch 35.1 Hardened

* All measurements are in millimeters

Measurements

| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
|-------------------|---------------|-------------------|---------------|
| 1 | 61.543 | 26 | 61.537 |
| 2 | 61.538 | 27 | 61.403 |
| 3 | 61.535 | 28 | 61.542 |
| 4 | 61.532 | 29 | 61.405 |
| 5 | 61.533 | 30 | 61.544 |
| 6 | 61.539 | 31 | 61.406 |
| 7 | 61.542 | 32 | 61.539 |
| 8 | 61.545 | 33 | 61.368 |
| 9 | 61.356 | 34 | 61.479 |
| 10 | 61.348 | 35 | 61.360 |
| 11 | 61.349 | 36 | 61.471 |
| 12 | 61.358 | 37 | 61.373 |
| 13 | 61.369 | 38 | 61.485 |
| 14 | 61.375 | 39 | 61.382 |
| 15 | 61.375 | 40 | 61.494 |
| 16 | 61.370 | 41 | 20.537 |
| 17 | 61.401 | 42 | 20.540 |
| 18 | 61.534 | 43 | 13.153 |
| 19 | 61.392 | 44 | 13.158 |
| 20 | 61.531 | 45 | 61.545 |
| 21 | 61.389 | 46 | 61.359 |
| 22 | 61.528 | 47 | 61.366 |
| 23 | 61.394 | 48 | 61.381 |
| 24 | 61.531 | 49 | 61.379 |
| 25 | 61.400 | | |

Landing

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 1 | 0.187 |
| 2 | 0.190 |
| 3 | 0.186 |
| 4 | 0.174 |
| 5 | 0.164 |
| 6 | 0.164 |
| 7 | 0.167 |
| 8 | 0.175 |
| Average | 0.176 |

Design

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 17 | 0.133 |
| 19 | 0.139 |
| 21 | 0.139 |
| 23 | 0.137 |
| 25 | 0.137 |
| 27 | 0.139 |
| 29 | 0.139 |
| 31 | 0.133 |
| Average | 0.137 |

Lettering

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 33 | 0.111 |
| 35 | 0.111 |
| 37 | 0.112 |
| 39 | 0.112 |
| Average | 0.111 |

Dome

0.046

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.059 |
| D2 | 40.058 |
| D3 | 40.031 |
| D4 | 40.032 |
| D5 | 40.011 |
| D6 | 40.011 |



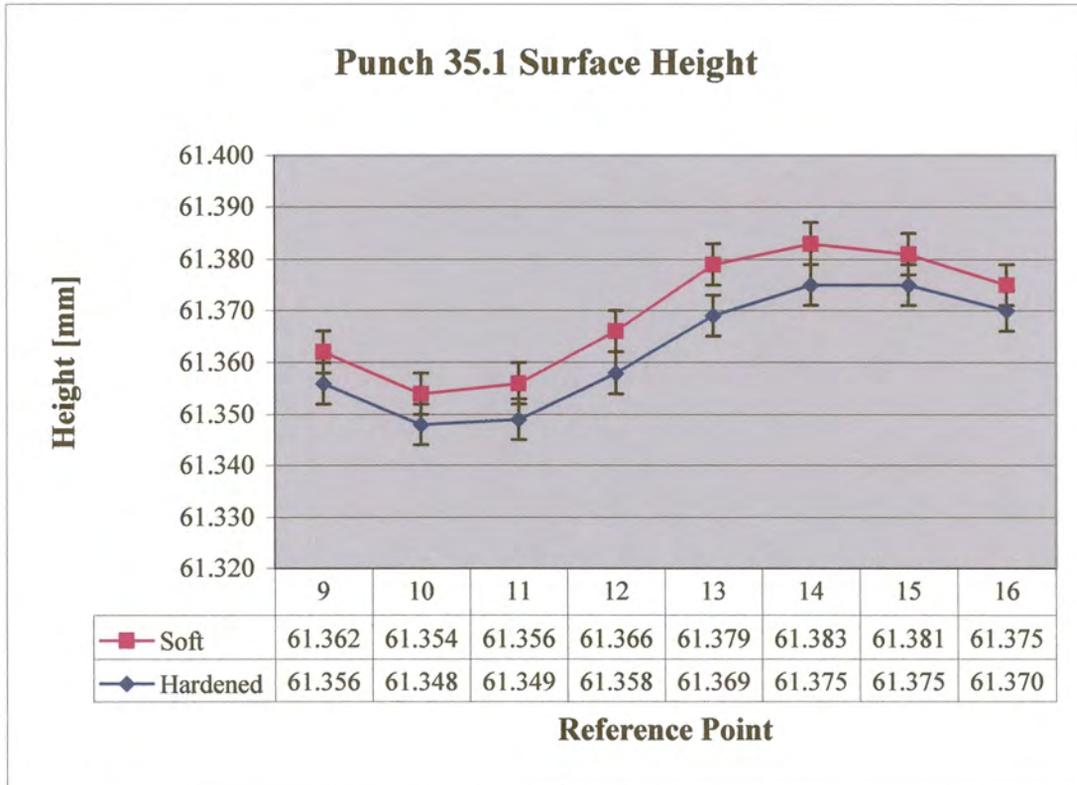


FIGURE F 61

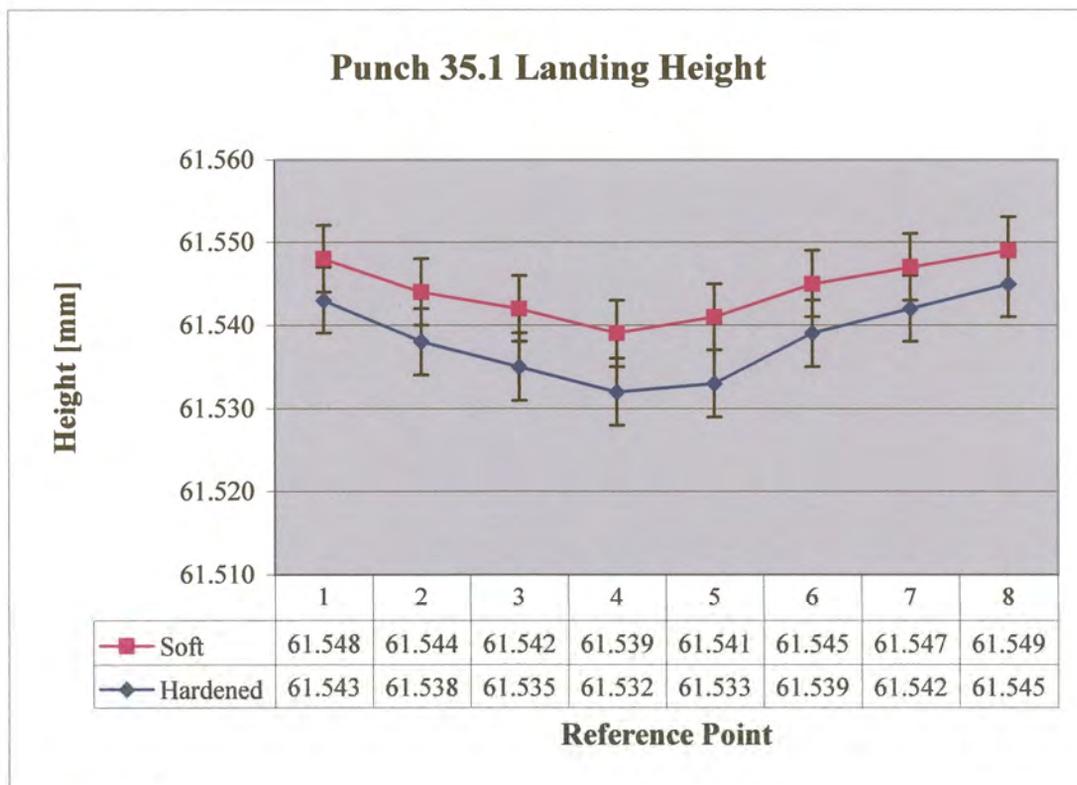


FIGURE F 62

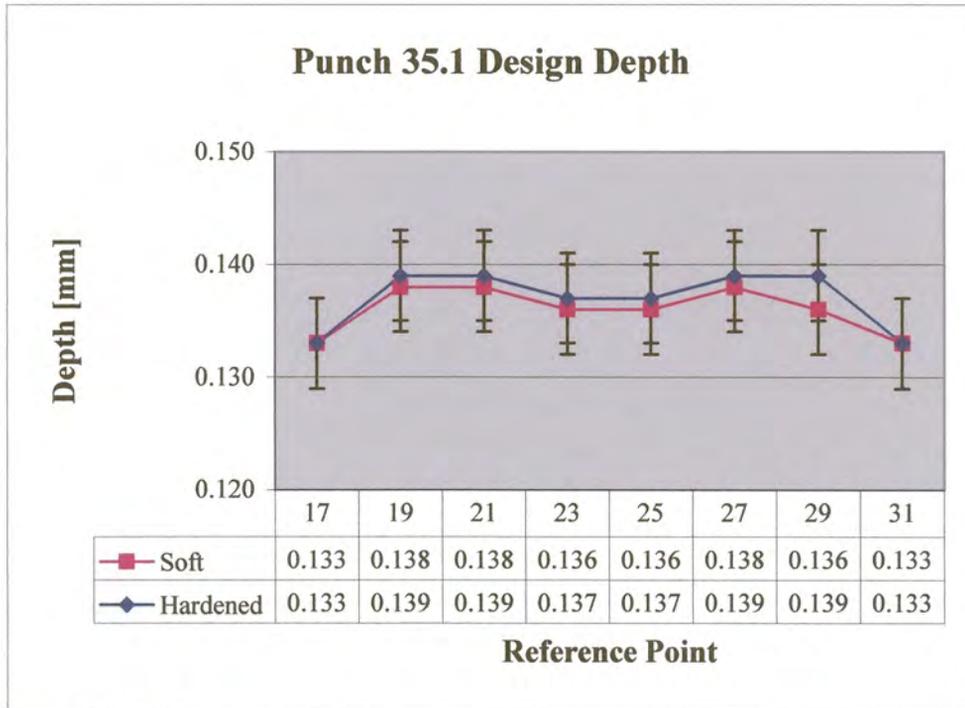


FIGURE F 63

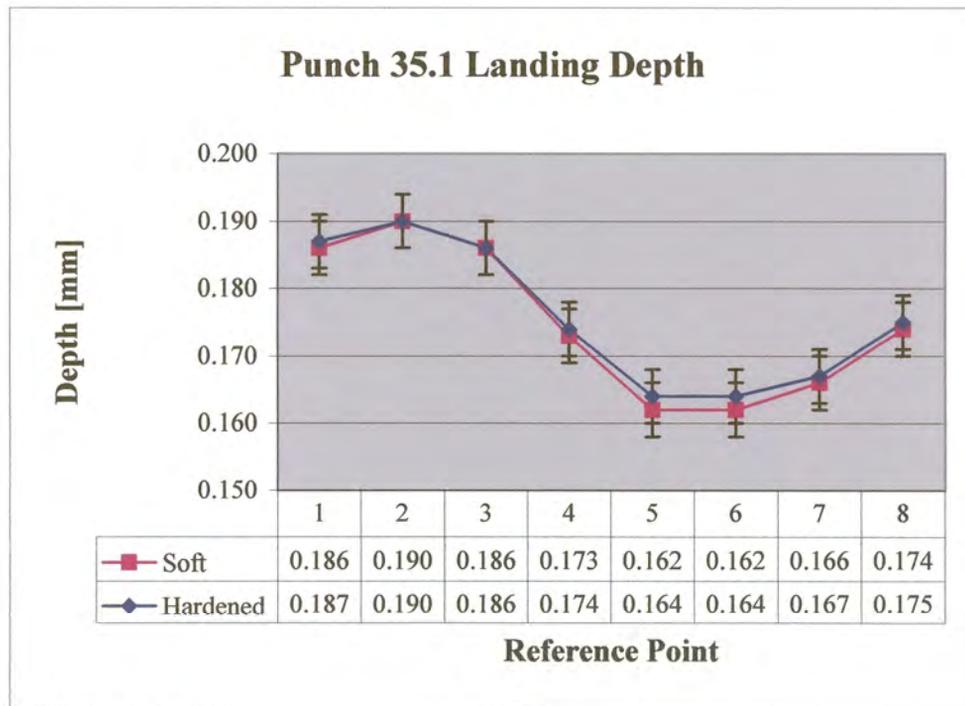


FIGURE F 64

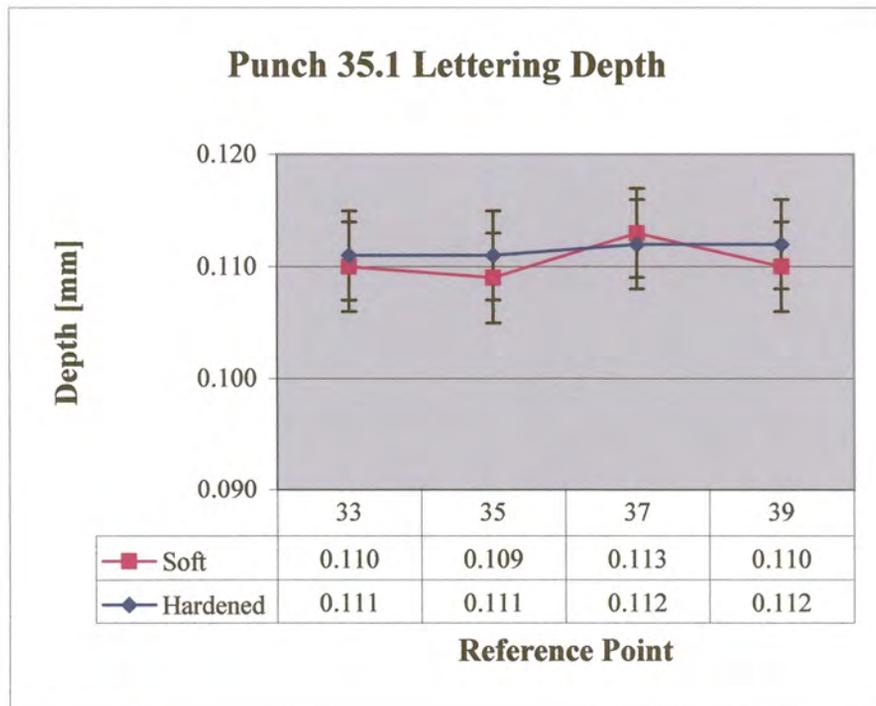


FIGURE F 65

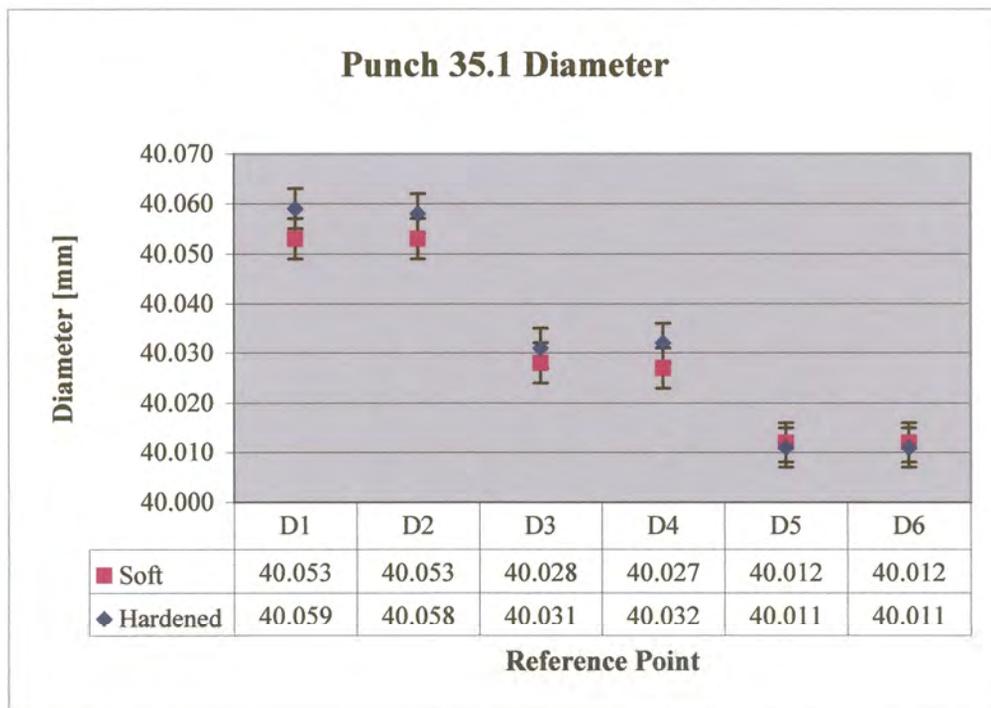


FIGURE F 66



Master Punch 35.2 Soft

* All measurements are in millimeters

Measurements

| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
|-------------------|---------------|-------------------|---------------|
| 1 | 61.390 | 26 | 61.390 |
| 2 | 61.392 | 27 | 61.254 |
| 3 | 61.397 | 28 | 61.390 |
| 4 | 61.397 | 29 | 61.252 |
| 5 | 61.394 | 30 | 61.388 |
| 6 | 61.391 | 31 | 61.251 |
| 7 | 61.389 | 32 | 61.382 |
| 8 | 61.389 | 33 | 61.215 |
| 9 | 61.205 | 34 | 61.323 |
| 10 | 61.205 | 35 | 61.217 |
| 11 | 61.213 | 36 | 61.328 |
| 12 | 61.222 | 37 | 61.233 |
| 13 | 61.229 | 38 | 61.343 |
| 14 | 61.228 | 39 | 61.227 |
| 15 | 61.223 | 40 | 61.337 |
| 16 | 61.215 | 41 | 20.537 |
| 17 | 61.245 | 42 | 20.538 |
| 18 | 61.378 | 43 | 13.159 |
| 19 | 61.242 | 44 | 13.160 |
| 20 | 61.379 | 45 | 61.395 |
| 21 | 61.244 | 46 | 61.212 |
| 22 | 61.383 | 47 | 61.227 |
| 23 | 61.252 | 48 | 61.231 |
| 24 | 61.387 | 49 | 61.222 |
| 25 | 61.255 | | |

Landing

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 1 | 0.185 |
| 2 | 0.187 |
| 3 | 0.184 |
| 4 | 0.175 |
| 5 | 0.165 |
| 6 | 0.163 |
| 7 | 0.166 |
| 8 | 0.174 |
| Average | 0.175 |

Design

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 17 | 0.133 |
| 19 | 0.137 |
| 21 | 0.139 |
| 23 | 0.135 |
| 25 | 0.135 |
| 27 | 0.136 |
| 29 | 0.136 |
| 31 | 0.131 |
| Average | 0.135 |

Lettering

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 33 | 0.108 |
| 35 | 0.111 |
| 37 | 0.110 |
| 39 | 0.110 |
| Average | 0.110 |

Dome

| |
|--------------|
| 0.042 |
|--------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.064 |
| D2 | 40.066 |
| D3 | 40.048 |
| D4 | 40.049 |
| D5 | 40.039 |
| D6 | 40.038 |





Master Punch 35.2 Hardened

* All measurements are in millimeters

Measurements

| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
|-------------------|---------------|-------------------|---------------|
| 1 | 61.386 | 26 | 61.381 |
| 2 | 61.386 | 27 | 61.247 |
| 3 | 61.387 | 28 | 61.385 |
| 4 | 61.383 | 29 | 61.246 |
| 5 | 61.380 | 30 | 61.383 |
| 6 | 61.380 | 31 | 61.245 |
| 7 | 61.381 | 32 | 61.378 |
| 8 | 61.384 | 33 | 61.210 |
| 9 | 61.199 | 34 | 61.318 |
| 10 | 61.196 | 35 | 61.209 |
| 11 | 61.202 | 36 | 61.319 |
| 12 | 61.209 | 37 | 61.222 |
| 13 | 61.216 | 38 | 61.331 |
| 14 | 61.217 | 39 | 61.222 |
| 15 | 61.215 | 40 | 61.332 |
| 16 | 61.209 | 41 | 20.540 |
| 17 | 61.241 | 42 | 20.544 |
| 18 | 61.375 | 43 | 13.157 |
| 19 | 61.237 | 44 | 13.161 |
| 20 | 61.375 | 45 | 61.386 |
| 21 | 61.238 | 46 | 61.204 |
| 22 | 61.376 | 47 | 61.215 |
| 23 | 61.241 | 48 | 61.224 |
| 24 | 61.379 | 49 | 61.218 |
| 25 | 61.246 | | |

Landing

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 1 | 0.187 |
| 2 | 0.190 |
| 3 | 0.185 |
| 4 | 0.174 |
| 5 | 0.164 |
| 6 | 0.163 |
| 7 | 0.166 |
| 8 | 0.175 |
| Average | 0.176 |

Design

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 17 | 0.134 |
| 19 | 0.138 |
| 21 | 0.138 |
| 23 | 0.138 |
| 25 | 0.135 |
| 27 | 0.138 |
| 29 | 0.137 |
| 31 | 0.133 |
| Average | 0.136 |

Lettering

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 33 | 0.108 |
| 35 | 0.110 |
| 37 | 0.109 |
| 39 | 0.110 |
| Average | 0.109 |

Dome

| |
|--------------|
| 0.042 |
|--------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.072 |
| D2 | 40.073 |
| D3 | 40.050 |
| D4 | 40.053 |
| D5 | 40.041 |
| D6 | 40.042 |



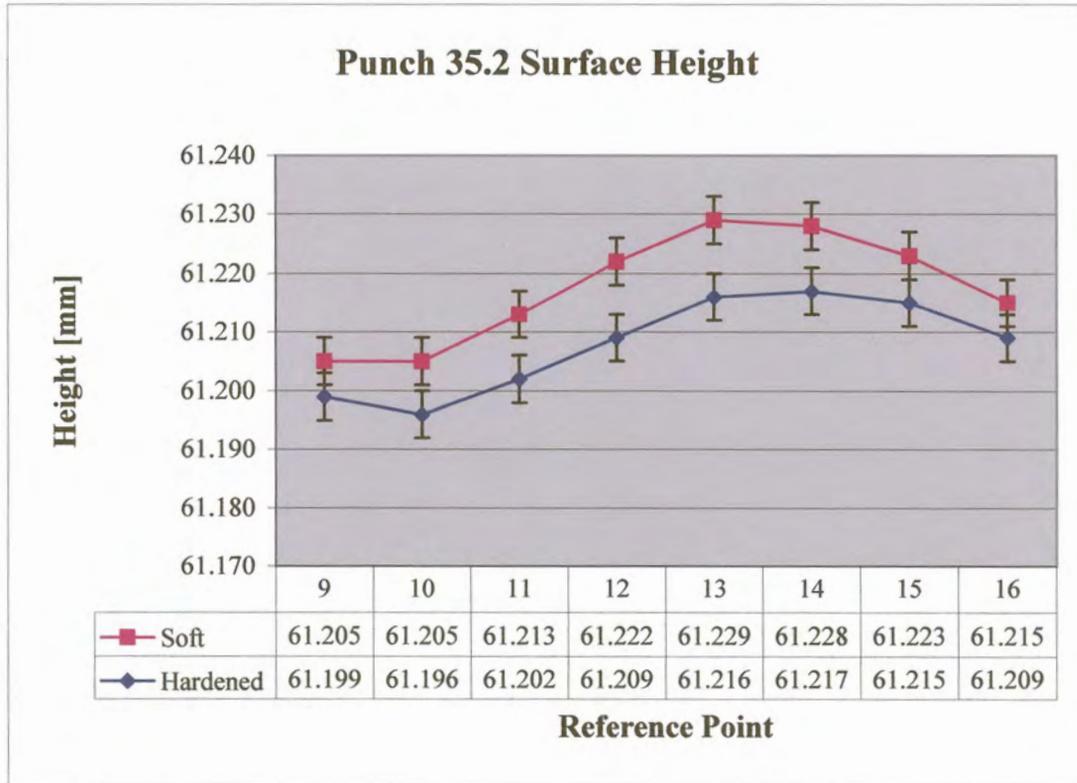


FIGURE F 67



FIGURE F 68

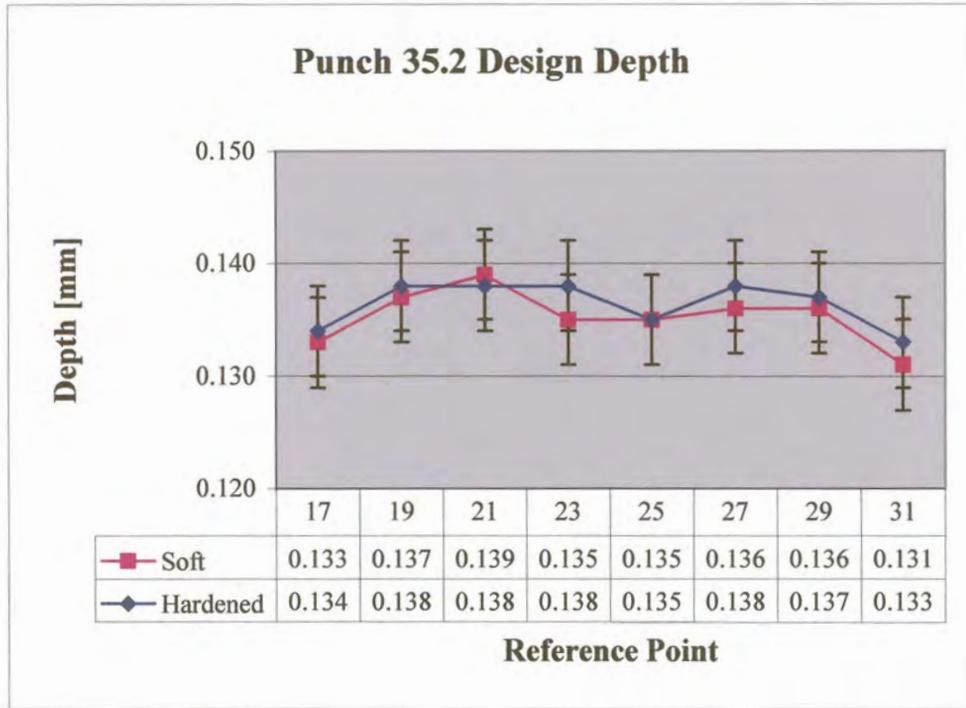


FIGURE F 69

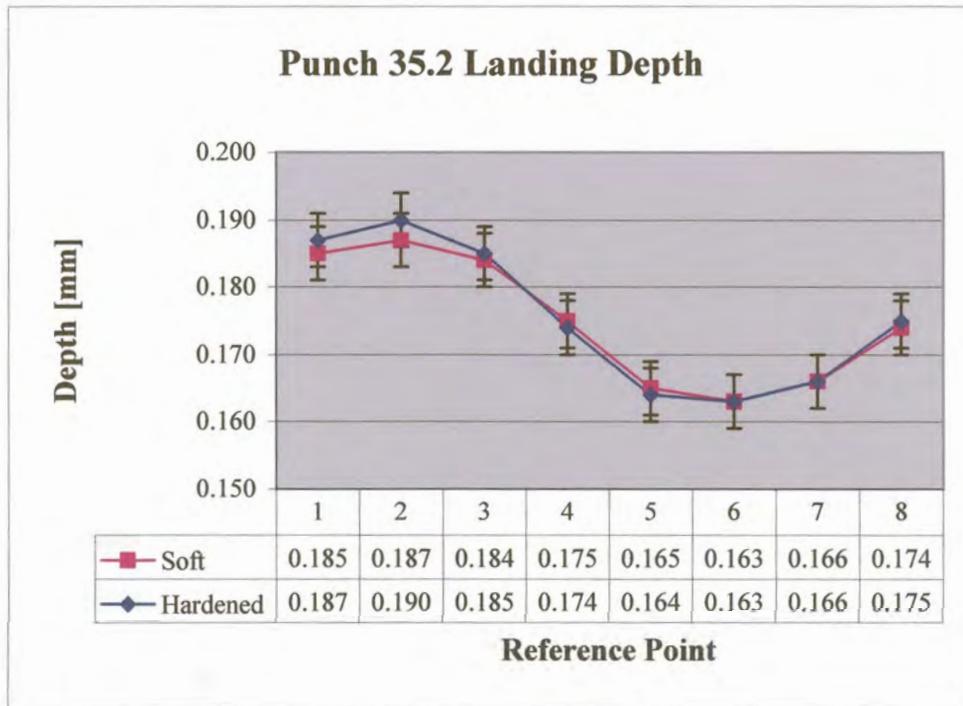


FIGURE F 70

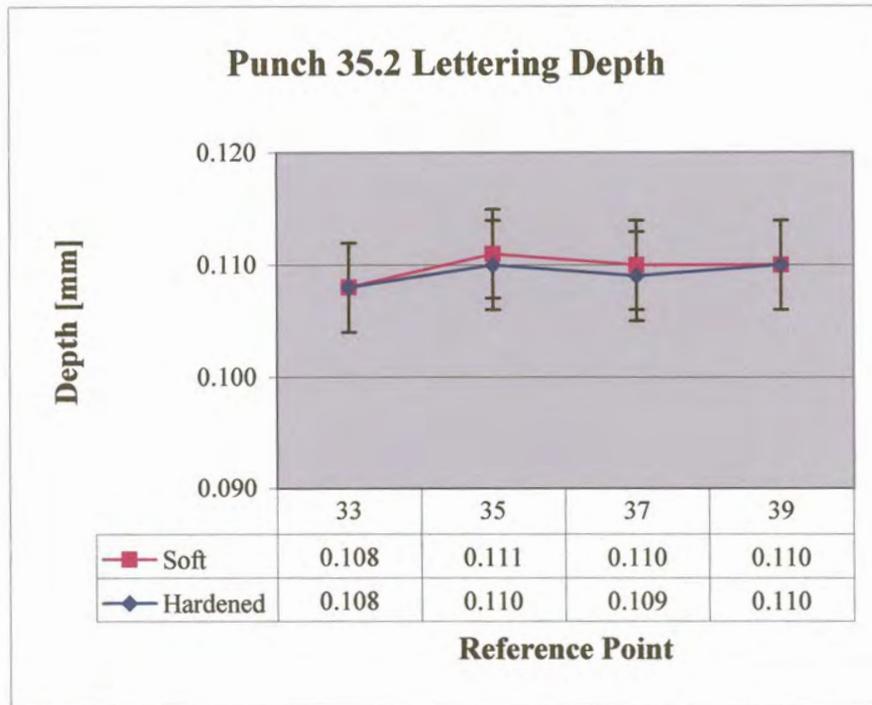


FIGURE F 71

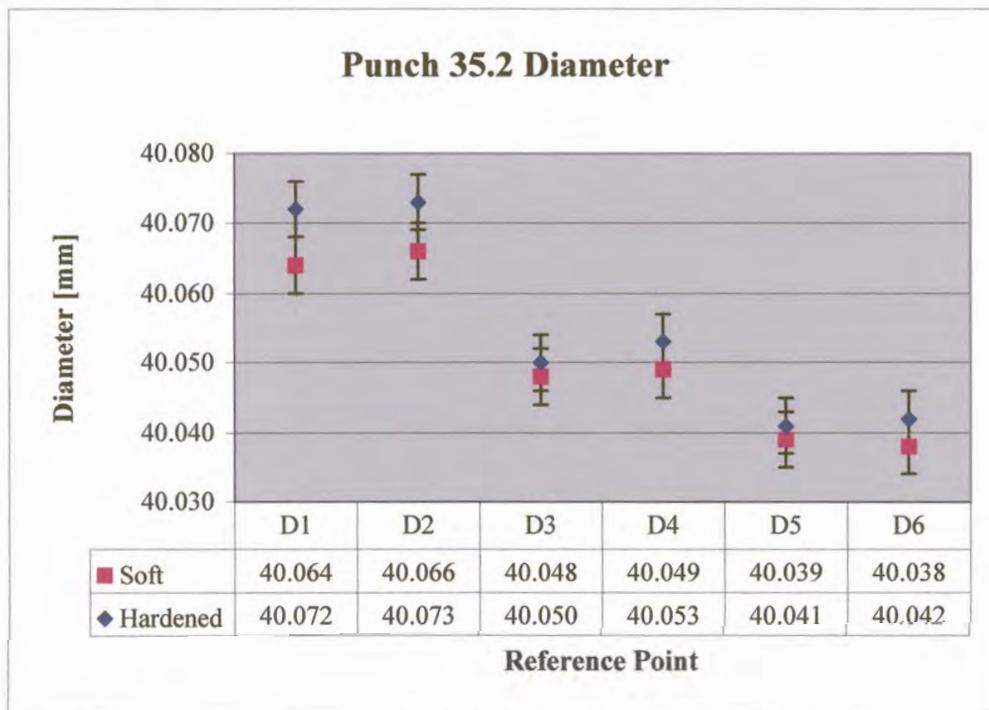


FIGURE F 72



Master Punch 40.1 Soft

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 59.520 | 26 | 59.498 |
| 2 | 59.517 | 27 | 59.364 |
| 3 | 59.511 | 28 | 59.502 |
| 4 | 59.505 | 29 | 59.367 |
| 5 | 59.503 | 30 | 59.504 |
| 6 | 59.505 | 31 | 59.369 |
| 7 | 59.509 | 32 | 59.501 |
| 8 | 59.516 | 33 | 59.341 |
| 9 | 59.332 | 34 | 59.449 |
| 10 | 59.327 | 35 | 59.332 |
| 11 | 59.326 | 36 | 59.443 |
| 12 | 59.331 | 37 | 59.340 |
| 13 | 59.338 | 38 | 59.450 |
| 14 | 59.342 | 39 | 59.346 |
| 15 | 59.342 | 40 | 59.456 |
| 16 | 59.341 | 41 | 20.543 |
| 17 | 59.366 | 42 | 20.546 |
| 18 | 59.499 | 43 | 13.162 |
| 19 | 59.360 | 44 | 13.160 |
| 20 | 59.497 | 45 | 59.507 |
| 21 | 59.358 | 46 | 59.333 |
| 22 | 59.496 | 47 | 59.335 |
| 23 | 59.359 | 48 | 59.343 |
| 24 | 59.496 | 49 | 59.345 |
| 25 | 59.361 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.188 |
| 2 | 0.190 |
| 3 | 0.185 |
| 4 | 0.174 |
| 5 | 0.165 |
| 6 | 0.163 |
| 7 | 0.167 |
| 8 | 0.175 |
| Average | 0.176 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.133 |
| 19 | 0.137 |
| 21 | 0.138 |
| 23 | 0.137 |
| 25 | 0.137 |
| 27 | 0.138 |
| 29 | 0.137 |
| 31 | 0.132 |
| Average | 0.136 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.108 |
| 35 | 0.111 |
| 37 | 0.110 |
| 39 | 0.110 |
| Average | 0.110 |

Dome

| |
|--------------|
| 0.036 |
|--------------|

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.075 |
| D2 | 40.074 |
| D3 | 40.055 |
| D4 | 40.054 |
| D5 | 40.045 |
| D6 | 40.044 |





Master Punch 40.1 Hardened

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
| 1 | 59.509 | 26 | 59.496 |
| 2 | 59.509 | 27 | 59.359 |
| 3 | 59.507 | 28 | 59.499 |
| 4 | 59.500 | 29 | 59.361 |
| 5 | 59.495 | 30 | 59.499 |
| 6 | 59.495 | 31 | 59.362 |
| 7 | 59.499 | 32 | 59.497 |
| 8 | 59.505 | 33 | 59.333 |
| 9 | 59.322 | 34 | 59.443 |
| 10 | 59.320 | 35 | 59.328 |
| 11 | 59.320 | 36 | 59.439 |
| 12 | 59.324 | 37 | 59.334 |
| 13 | 59.329 | 38 | 59.445 |
| 14 | 59.331 | 39 | 59.337 |
| 15 | 59.330 | 40 | 59.448 |
| 16 | 59.330 | 41 | 20.539 |
| 17 | 59.361 | 42 | 20.540 |
| 18 | 59.495 | 43 | 13.152 |
| 19 | 59.356 | 44 | 13.154 |
| 20 | 59.496 | 45 | 59.504 |
| 21 | 59.354 | 46 | 59.328 |
| 22 | 59.492 | 47 | 59.331 |
| 23 | 59.357 | 48 | 59.336 |
| 24 | 59.494 | 49 | 59.337 |
| 25 | 59.359 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 1 | 0.187 |
| 2 | 0.189 |
| 3 | 0.187 |
| 4 | 0.176 |
| 5 | 0.166 |
| 6 | 0.164 |
| 7 | 0.169 |
| 8 | 0.175 |
| Average | 0.177 |

| <u>Design</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 17 | 0.134 |
| 19 | 0.140 |
| 21 | 0.138 |
| 23 | 0.137 |
| 25 | 0.137 |
| 27 | 0.140 |
| 29 | 0.138 |
| 31 | 0.135 |
| Average | 0.137 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <i>Ref. Point</i> | <i>Depth</i> |
| 33 | 0.110 |
| 35 | 0.111 |
| 37 | 0.111 |
| 39 | 0.111 |
| Average | 0.111 |

Dome

0.041

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.077 |
| D2 | 40.078 |
| D3 | 40.057 |
| D4 | 40.055 |
| D5 | 40.046 |
| D6 | 40.044 |



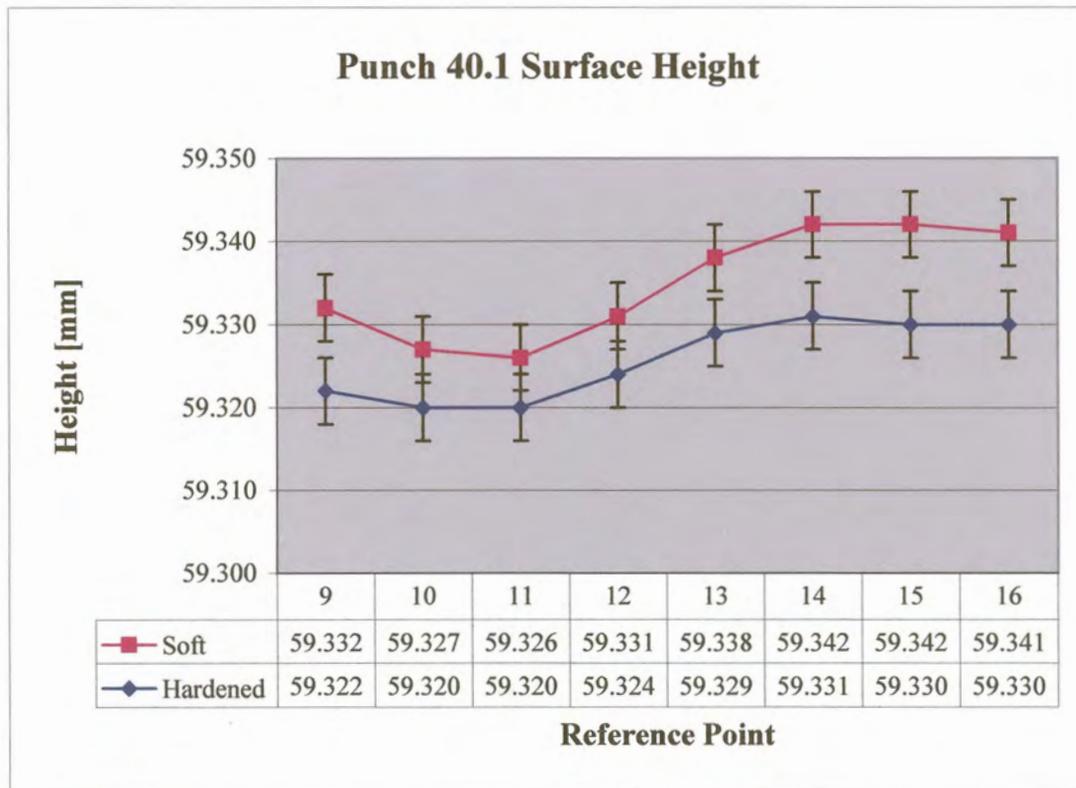


FIGURE F 73

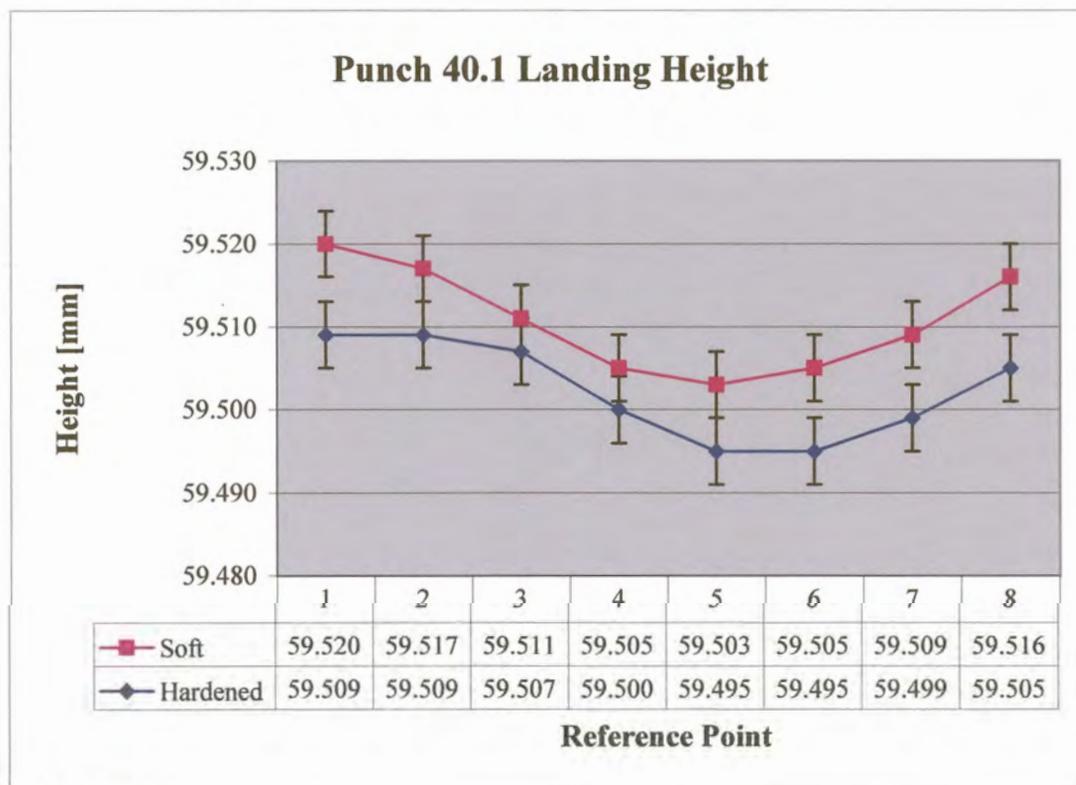


FIGURE F 74

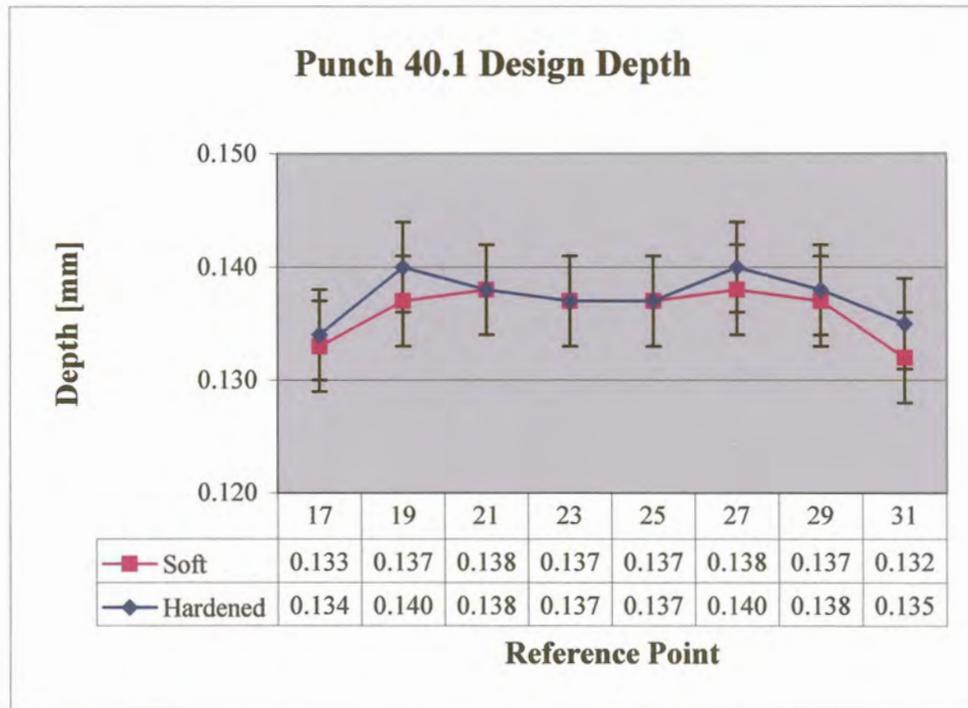


FIGURE F 75

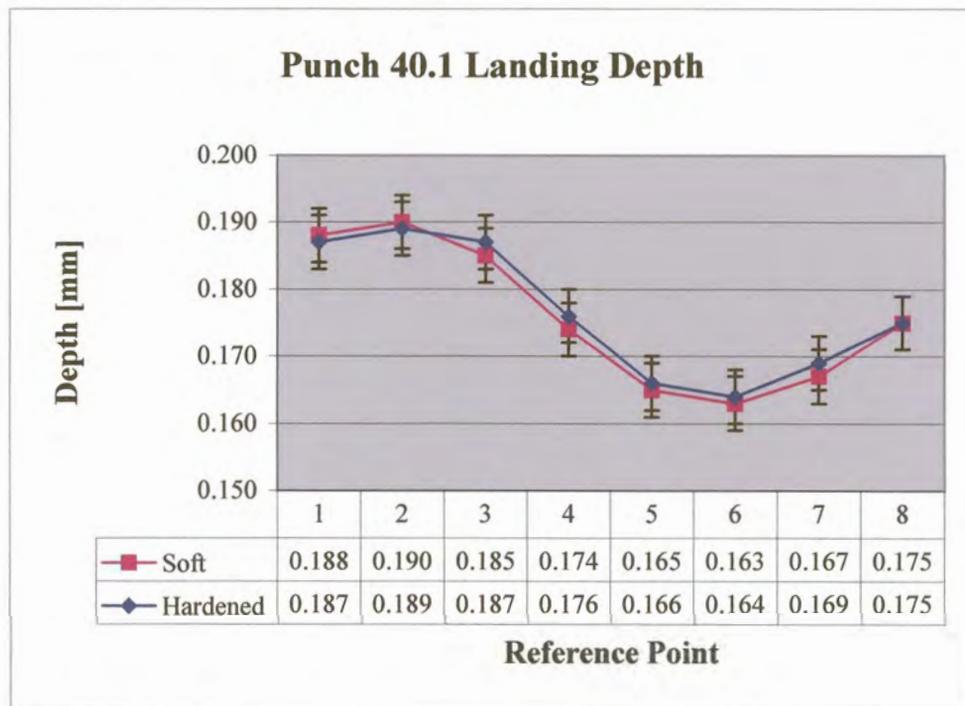


FIGURE F 76

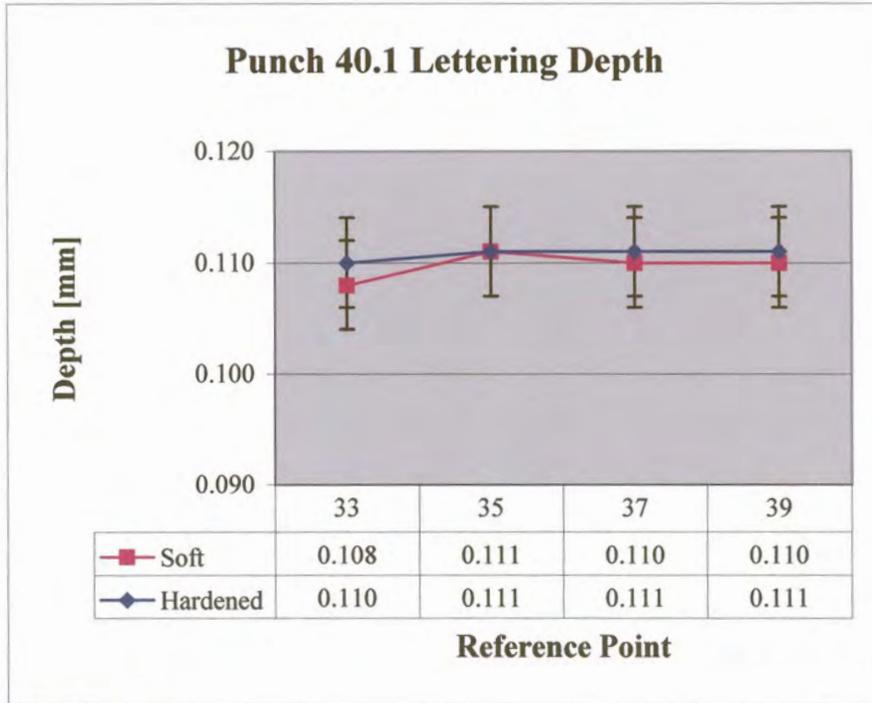


FIGURE F 77

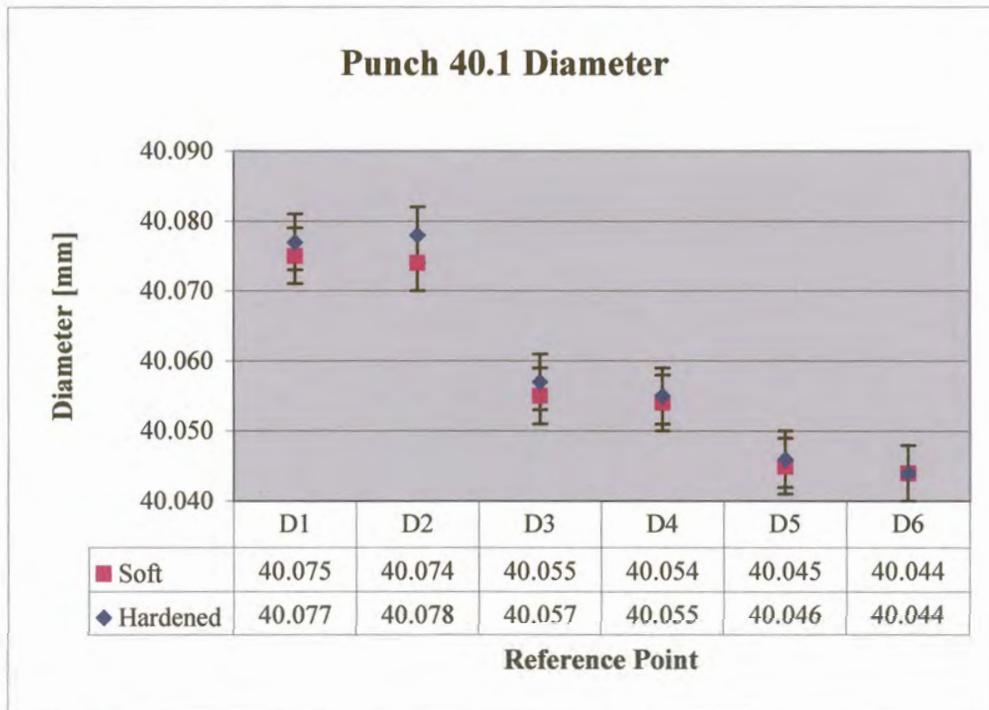


FIGURE F 78



Master Punch 40.2 Soft

* All measurements are in millimeters

| <u>Measurements</u> | | | |
|---------------------|---------------|-------------------|---------------|
| <u>Ref. Point</u> | <u>Height</u> | <u>Ref. Point</u> | <u>Height</u> |
| 1 | 59.679 | 26 | 59.659 |
| 2 | 59.677 | 27 | 59.523 |
| 3 | 59.674 | 28 | 59.661 |
| 4 | 59.668 | 29 | 59.526 |
| 5 | 59.664 | 30 | 59.662 |
| 6 | 59.666 | 31 | 59.528 |
| 7 | 59.670 | 32 | 59.660 |
| 8 | 59.676 | 33 | 59.500 |
| 9 | 59.491 | 34 | 59.609 |
| 10 | 59.486 | 35 | 59.492 |
| 11 | 59.488 | 36 | 59.603 |
| 12 | 59.493 | 37 | 59.499 |
| 13 | 59.498 | 38 | 59.611 |
| 14 | 59.502 | 39 | 59.505 |
| 15 | 59.501 | 40 | 59.617 |
| 16 | 59.499 | 41 | 20.542 |
| 17 | 59.526 | 42 | 20.547 |
| 18 | 59.658 | 43 | 13.162 |
| 19 | 59.519 | 44 | 16.155 |
| 20 | 59.659 | 45 | 59.665 |
| 21 | 59.518 | 46 | 59.492 |
| 22 | 59.657 | 47 | 59.497 |
| 23 | 59.521 | 48 | 59.504 |
| 24 | 59.657 | 49 | 59.505 |
| 25 | 59.522 | | |

| <u>Landing</u> | |
|-------------------|--------------|
| <u>Ref. Point</u> | <u>Depth</u> |
| 1 | 0.188 |
| 2 | 0.191 |
| 3 | 0.186 |
| 4 | 0.175 |
| 5 | 0.166 |
| 6 | 0.164 |
| 7 | 0.169 |
| 8 | 0.177 |
| Average | 0.177 |

| <u>Design</u> | |
|-------------------|--------------|
| <u>Ref. Point</u> | <u>Depth</u> |
| 17 | 0.132 |
| 19 | 0.140 |
| 21 | 0.139 |
| 23 | 0.136 |
| 25 | 0.137 |
| 27 | 0.138 |
| 29 | 0.136 |
| 31 | 0.132 |
| Average | 0.136 |

| <u>Lettering</u> | |
|-------------------|--------------|
| <u>Ref. Point</u> | <u>Depth</u> |
| 33 | 0.109 |
| 35 | 0.111 |
| 37 | 0.112 |
| 39 | 0.112 |
| Average | 0.111 |

Dome

0.034

Diameter

| <u>Ref. Point</u> | <u>Diameter</u> |
|-------------------|-----------------|
| D1 | 40.060 |
| D2 | 40.060 |
| D3 | 40.038 |
| D4 | 40.039 |
| D5 | 40.029 |
| D6 | 40.028 |





Master Punch 40.2 Hardened

* All measurements are in millimeters

Measurements

| <i>Ref. Point</i> | <i>Height</i> | <i>Ref. Point</i> | <i>Height</i> |
|-------------------|---------------|-------------------|---------------|
| 1 | 59.654 | 26 | 59.643 |
| 2 | 59.654 | 27 | 59.507 |
| 3 | 59.651 | 28 | 59.646 |
| 4 | 59.645 | 29 | 59.510 |
| 5 | 59.642 | 30 | 59.646 |
| 6 | 59.643 | 31 | 59.510 |
| 7 | 59.648 | 32 | 59.645 |
| 8 | 59.653 | 33 | 59.479 |
| 9 | 59.469 | 34 | 59.590 |
| 10 | 59.466 | 35 | 59.474 |
| 11 | 59.466 | 36 | 59.585 |
| 12 | 59.471 | 37 | 59.482 |
| 13 | 59.475 | 38 | 59.592 |
| 14 | 59.479 | 39 | 59.487 |
| 15 | 59.480 | 40 | 59.597 |
| 16 | 59.477 | 41 | 20.533 |
| 17 | 59.509 | 42 | 20.537 |
| 18 | 59.642 | 43 | 13.152 |
| 19 | 59.503 | 44 | 13.156 |
| 20 | 59.641 | 45 | 59.649 |
| 21 | 59.502 | 46 | 59.474 |
| 22 | 59.641 | 47 | 59.477 |
| 23 | 59.503 | 48 | 59.482 |
| 24 | 59.641 | 49 | 59.485 |
| 25 | 59.506 | | |

Landing

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 1 | 0.185 |
| 2 | 0.188 |
| 3 | 0.185 |
| 4 | 0.174 |
| 5 | 0.167 |
| 6 | 0.164 |
| 7 | 0.168 |
| 8 | 0.176 |
| Average | 0.176 |

Design

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 17 | 0.133 |
| 19 | 0.138 |
| 21 | 0.139 |
| 23 | 0.138 |
| 25 | 0.137 |
| 27 | 0.139 |
| 29 | 0.136 |
| 31 | 0.135 |
| Average | 0.137 |

Lettering

| <i>Ref. Point</i> | <i>Depth</i> |
|-------------------|--------------|
| 33 | 0.111 |
| 35 | 0.111 |
| 37 | 0.110 |
| 39 | 0.110 |
| Average | 0.111 |

Dome

0.039

Diameter

| <i>Ref. Point</i> | <i>Diameter</i> |
|-------------------|-----------------|
| D1 | 40.055 |
| D2 | 40.054 |
| D3 | 40.034 |
| D4 | 40.031 |
| D5 | 40.021 |
| D6 | 40.021 |



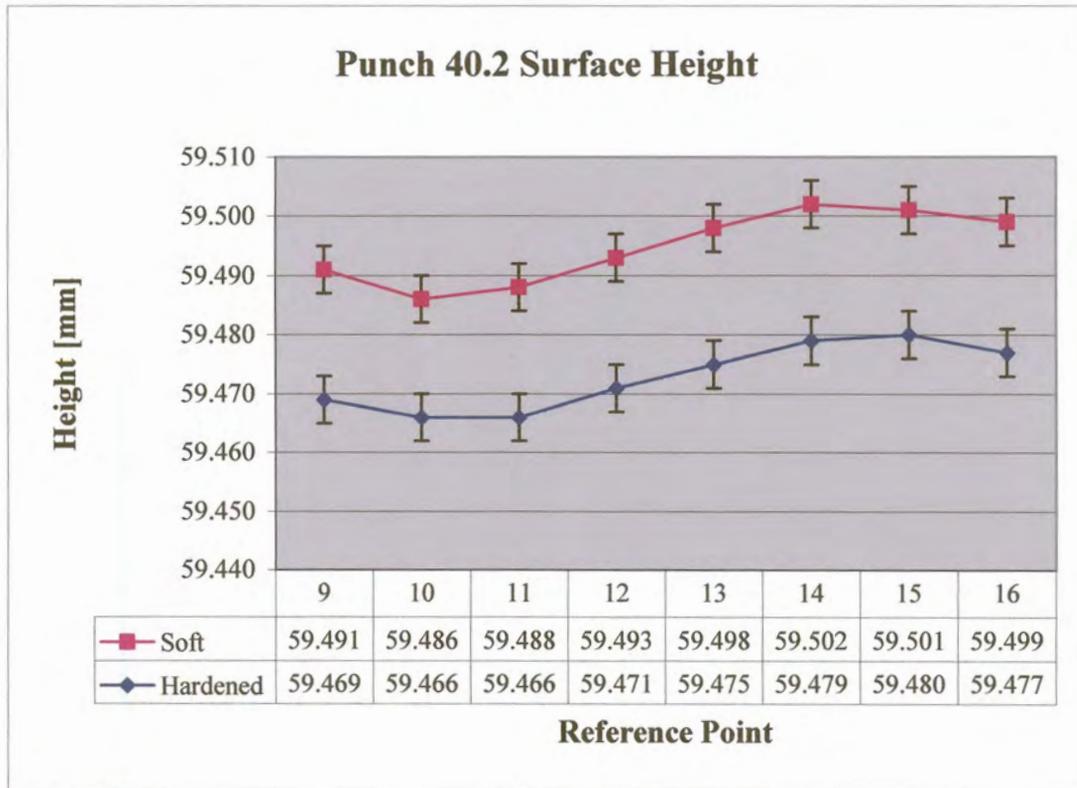


FIGURE F 79

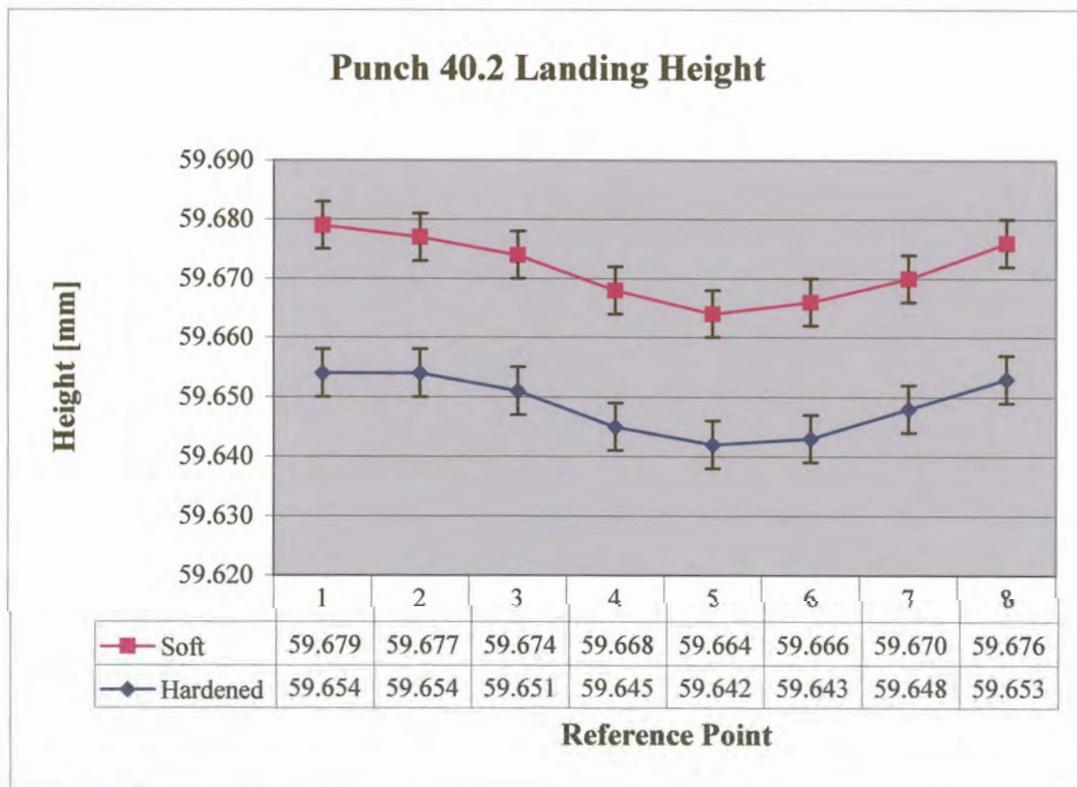


FIGURE F 80

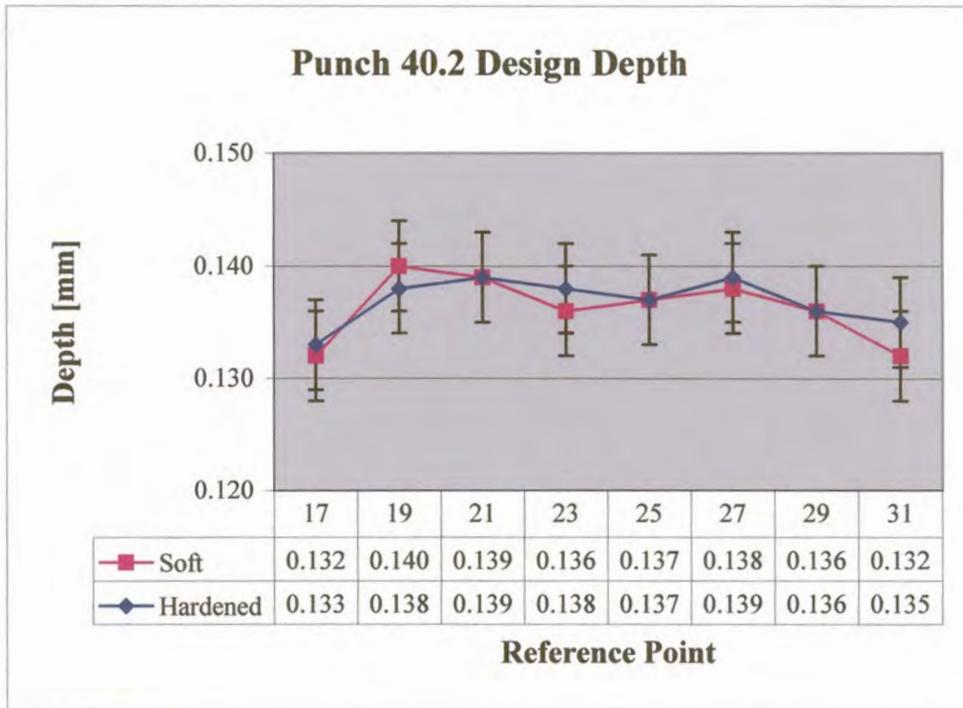


FIGURE F 81

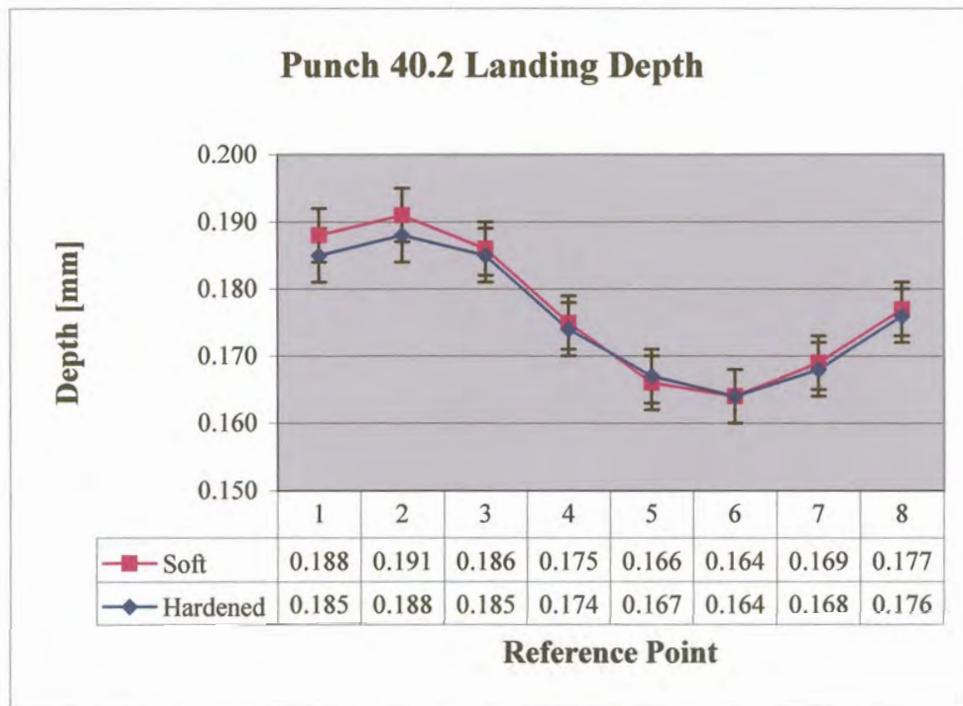


FIGURE F 82

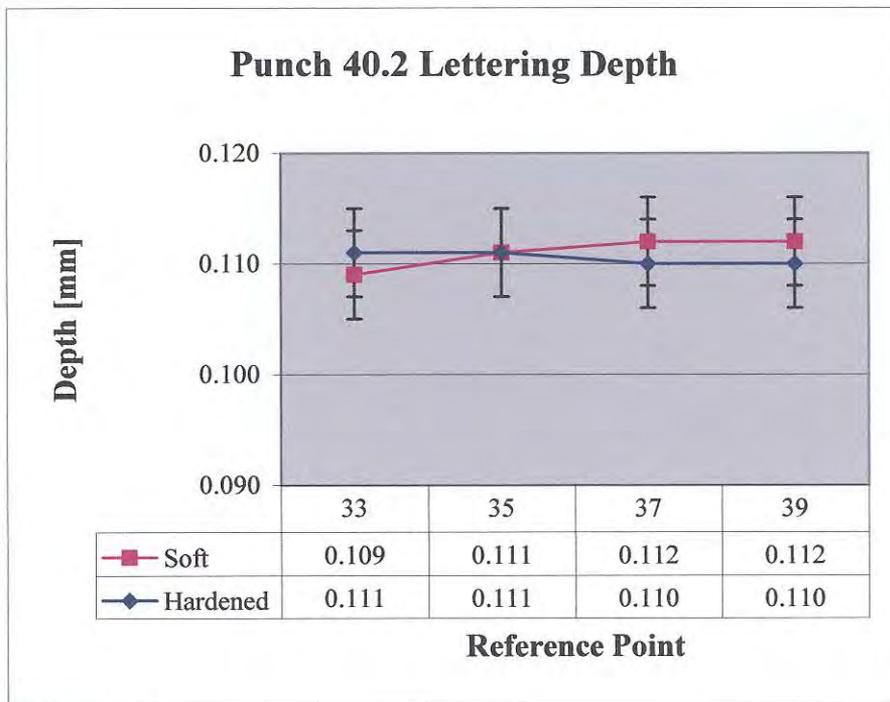


FIGURE F 83

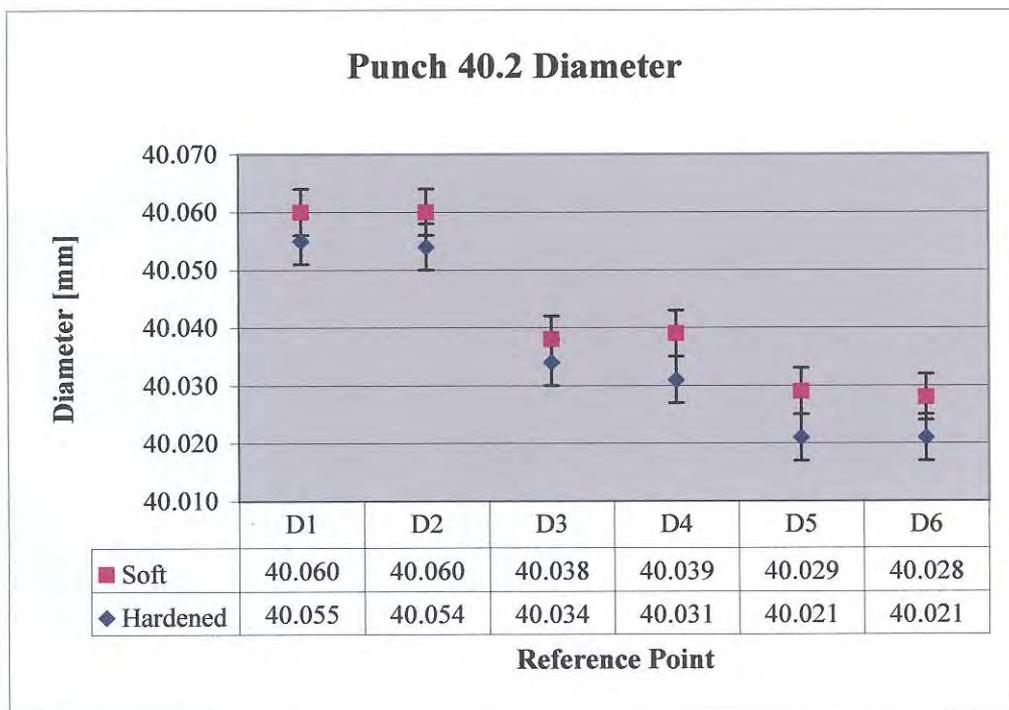


FIGURE F 84