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| **型号** |  | | **编号** | **5112304001** | | **厂商** | **BGD** | | |
| 压头几何尺寸  球型 | | 标称值  0.75mm  (圆) | 1 | 2 | 3 | 最大偏差值 |  | 最大偏差 | **满足状况** |
| 0.7454 | 0.7486 | 0.7549 | 0.7549 |  | +0.0049 | **ok** |
| 0.0048 | 0.0039 | 0.0038 | 0.0048 |  | 0.0048 | **ok** |
| 测量段  3N  **分度值0.1N** | | 测量点 | 1 | 2 | 3 |  |  |  |  |
| 0.5N | 0.445 | 0.447 | 0.448 | 0.445 |  | -0.055 | **ok** |
| 1.0 | 0.929 | 0.925 | 0.923 | 0.923 |  | -0.077 | **ok** |
| 1.5 | 1.420 | 1.427 | 1.423 | 1.420 |  | -0.080 | **ok** |
| 2.0 | 1.944 | 1.956 | 1.946 | 1.944 |  | -0.056 | **ok** |
| 2.5 | 2.405 | 2.401 | 2.412 | 2.401 |  | -0.099 | **ok** |
| 3.0 | 2.905 | 2.908 | 2.922 | 2.905 |  | -0.095 | **ok** |
| 10N  **分度值0.5N** | | 2.0 | 2.121 | 2.188 | 2.097 | 2.188 |  | +0.188 | **ok** |
| 4.0 | 4.441 | 4.420 | 4.321 | 4.441 |  | +0.441 | **ok** |
| 6.0 | 6.303 | 6.317 | 6.349 | 6.349 |  | +0.349 | **ok** |
| 8.0 | 8.123 | 8.007 | 8.375 | 8.375 |  | +0.375 | **ok** |
| 10.0 | 10.092 | 10.094 | 10.075 | 10.094 |  | +0.094 | **ok** |
|  |  |  |  |  |  |  | **ok** |
| 20N  **分度值1.0N** | | 4.0 | 3.601 | 3.593 | 3.634 | 3.593 |  | -0.407 | **ok** |
| 8.0 | 7.302 | 7.334 | 7.375 | 7.302 |  | -0.698 | **ok** |
| 12.0 | 10.762 | 10.733 | 10.747 | 10.733 |  | -1.267 | **no** |
| 16.0 | 14.182 | 14.295 | 14.245 | 14.182 |  | -1.818 | **no** |
| 20.0 | 17.892 | 17.863 | 17.834 | 17.834 |  | -2.166 | **no** |
|  |  |  |  |  |  |  |  |
| **压头伸出量设置** | | **1.0mm** | **实测伸出量** | **1.08mm** | **试验力测量时的移动长度** | | **1.075mm** | |  |

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| **型号** |  | | **编号** | **5112303006** | | **厂商** | **BGD** | | |
| 压头几何尺寸  球型 | | 标称值  0.75mm  (圆) | 1 | 2 | 3 | 最大偏差值 |  | 最大偏差 | **满足状况** |
| 0.7467 | 0.7514 | 0.7492 | 0.7467 |  | -0.0033 | **ok** |
| 0.0037 | 0.0051 | 0.0049 | 0.0051 |  | 0.0051 | **ok** |
| 测量段  3N  **分度值0.1N** | | 测量点 | 1 | 2 | 3 |  |  |  |  |
| 0.5N | 0.563. | 0.562 | 0.562 | 0.563 |  | +0.063 | **ok** |
| 1.0 | 1.032 | 1.030 | 1.031 | 1.032 |  | +0.032 | **ok** |
| 1.5 | 1.536 | 1.534 | 1.538 | 1.538 |  | +0.038 | **ok** |
| 2.0 | 2.028 | 2.029 | 2.025 | 2.029 |  | +0.029 | **ok** |
| 2.5 | 2.523 | 2.525 | 2.527 | 2.527 |  | +0.027 | **ok** |
| 3.0 | 3.006 | 2.995 | 2.993 | 2.993 |  | -0.007 | **ok** |
| 10N  **分度值0.5N** | | 2.0 | 2.405 | 2.408 | 2.428 | 2.428 |  | -0.072 | **ok** |
| 4.0 | 4.342 | 4.332 | 4.282 | 4.342 |  | +0.342 | **ok** |
| 6.0 | 6.435 | 6.334 | 6.401 | 6.435 |  | +0.435 | **ok** |
| 8.0 | 8.145 | 8.199 | 8.111 | 8.199 |  | +0.199 | **ok** |
| 10 | 10.263 | 9.948 | 9.929 | 10.263 |  | +0.263 | **ok** |
|  |  |  |  |  |  |  |  |
| 20N  **分度值1.0N** | | 4.0 | 3.309 | 3.309 | 3.307 | 3.309 |  | -0.691 | **ok** |
| 8.0 | 6.915 | 6.918 | 6.920 | 6.915 |  | -1.085 | **no** |
| 12.0 | 10.673 | 10.724 | 10.724 | 10.673 |  | -1.327 | **no** |
| 16.0 | 14.322 | 14.367 | 14.355 | 14.322 |  | -1.278 | **no** |
| 20.0 | 17.663 | 17.691 | 17.678 | 17.663 |  | -2.337 | **no** |
|  |  |  |  |  |  |  |  |
| **压头伸出量设置** | | **1.0mm** | **实测伸出量** | **1.20mm** | **试验力测量时的移动长度** | | **1.195mm** | |  |
| **型号** |  | | **编号** | **5112304007** | | **厂商** | **BGD** | | |
| 压头几何尺寸  球型 | | 标称值  0.75mm  (圆) | 1 | 2 | 3 | 最大偏差值 |  | 最大偏差 | **满足状况** |
| 0.7539 | 0.7525 | 0.7571 | 0.7571 |  | +0.0071 | **ok** |
| 0.0037 | 0.0035 | 0.0040 | 0.0040 |  | 0.0040 | **ok** |
| 测量段  3N  **分度值0.1N** | | 测量点 | 1 | 2 | 3 |  |  |  |  |
| 0.5N | 0.607 | 0.607 | 0.606 | 0.607 |  | +0.107 | **no** |
| 1.0 | 1.124 | 1.153 | 1.136 | 1.136 |  | +0.136 | **no** |
| 1.5 | 1.672 | 1.679 | 1.671 | 1.679 |  | +0.179 | **no** |
| 2.0 | 2.207 | 2.185 | 2.196 | 2.207 |  | +0.207 | **no** |
| 2.5 | 2.776 | 2.756 | 2.741 | 2.776 |  | +0.276 | **no** |
| 3.0 | 3.267 | 3.292 | 3.242 | 3.292 |  | +0.292 | **no** |
| 10N  **分度值0.5N** | | 2.0 | 2.078 | 2.079 | 2.095 | 2.095 |  | +0.095 | **ok** |
| 4.0 | 4.425 | 4.407 | 4.344 | 4.425 |  | +0.425 | **ok** |
| 6.0 | 6.491 | 6.484 | 6.478 | 6.491 |  | +0.491 | **ok** |
| 8.0 | 8.395 | 8.417 | 8.409 | 8.417 |  | +0.417 | **ok** |
| 10 | 10.345 | 10.436 | 10.356 | 10.436 |  | +0.436 | **ok** |
|  |  |  |  |  |  |  |  |
| 20N  **分度值1.0N** | | 4.0 | 3.959 | 4.004 | 3.945 | 3.945 |  | -0.055 | **ok** |
| 8.0 | 7.632 | 7.729 | 7.602 | 7.602 |  | -0.398 | **ok** |
| 12.0 | 11.012 | 10.953 | 11.053 | 10.953 |  | -1.047 | **no** |
| 16.0 | 14.653 | 14.648 | 14.634 | 14.634 |  | -1.366 | **no** |
| 20.0 | 18.234 | 18.236 | 18.436 | 18.234 |  | -1.776 | **no** |
|  |  |  |  |  |  |  |  |
| **压头伸出量设置** | | **1.0mm** | **实测伸出量** | **0.99mm** | **试验力测量时的移动长度** | | **0.985mm** | |  |

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| **型号** |  | | **编号** | **5112304015** | | **厂商** | **BGD** | | |
| 压头几何尺寸  球型 | | 标称值  0.75mm  (圆) | 1 | 2 | 3 | 最大偏差值 |  | 最大偏差 | **满足状况** |
| 0.7551 | 0.7534 | 0.7552 | 0.7552 |  | +0.0052 | **ok** |
| 0.0042 | 0.0039 | 0.0043 | 0.0043 |  | 0.0043 | **ok** |
| 测量段  3N  **分度值0.1N** | | 测量点 | 1 | 2 | 3 |  |  |  |  |
| 0.5N | 0.515 | 0.508 | 0.508 | 0.515 |  | +0.018 | **ok** |
| 1.0 | 0.952 | 0.952 | 0.949 | 0.945 |  | -0.055 | **ok** |
| 1.5 | 1.453 | 1.451 | 1.456 | 1.451 |  | -0.049 | **ok** |
| 2.0 | 1.932 | 1.929 | 1.926 | 1.926 |  | -0.074 | **ok** |
| 2.5 | 2.413 | 2.417 | 2.414 | 2.413 |  | -0.087 | **ok** |
| 3.0 | 4.279 | 4.280 | 4.283 | 4.283 |  | +0.283 | **no** |
| 10N  **分度值0.5N** | | 2.0 | 1.982 | 1.984 | 1.982 | 1.982 |  | -0.018 | **ok** |
| 4.0 | 3.910 | 3.928 | 3.934 | 3.910 |  | -0.090 | **ok** |
| 6.0 | 5.864 | 5.887 | 5.887 | 5.864 |  | -0.136 | **ok** |
| 8.0 | 7.890 | 7.856 | 7.871 | 7.856 |  | -0.144 | **ok** |
| 10 | 9.886 | 9.895 | 9.908 | 9.886 |  | -0.114 | **ok** |
|  |  |  |  |  |  |  |  |
| 20N  **分度值1.0N** | | 4.0 | 4.101 | 4.022 | 4.039 | 4.101 |  | +0.101 | **ok** |
| 8.0 | 7.676 | 7.646 | 7.665 | 7.646 |  | -o.354 | **ok** |
| 12.0 | 11.097 | 11.078 | 11.068 | 11.068 |  | -0.932 | **ok** |
| 16.0 | 14.927 | 14.935 | 14.914 | 14.914 |  | -1.086 | **no** |
| 20.0 | 18.352 | 18.379 | 18.361 | 18.352 |  | -1.648 | **no** |
|  |  |  |  |  |  |  |  |
| **压头伸出量设置** | | **1.0mm** | **实测伸出量** | **1.23mm** | **试验力测量时的移动长度** | | **1.225mm** | |  |
| **型号** |  | | **编号** | **5112304031** | | **厂商** | **BGD** | | |
| 压头几何尺寸  球型 | | 标称值  0.75mm  (圆) | 1 | 2 | 3 | 最大偏差值 |  | 最大偏差 | **满足状况** |
| 0.7568 | 0.7553 | 0.7590 | 0.7590 |  | +0.0090 | **ok** |
| 0.0038 | 0.0033 | 0.0050 | 0.0050 |  | 0.0050 | **ok** |
| 测量段  3N  **分度值0.1N** | | 测量点 | 1 | 2 | 3 |  |  |  |  |
| 0.5N | 0.544 | 0.552 | 0.539 | 0.552 |  | +0.052 | **ok** |
| 1.0 | 1.075 | 1.147 | 1.112 | 1.147 |  | +0.147 | **no** |
| 1.5 | 1.628 | 1.654 | 1.679 | 1.679 |  | +0.169 | **no** |
| 2.0 | 2.116 | 2.125 | 2.138 | 2.138 |  | +0.138 | **no** |
| 2.5 | 2.678 | 2.617 | 2.660 | 2.678 |  | +0.178 | **no** |
| 3.0 | 3.067 | 3.112 | 3.118 | 3.118 |  | +0.118 | **no** |
| 10N  **分度值0.5N** | | 2.0 | 2.126 | 2.133 | 2.134 | 2.134 |  | +0.134 | **ok** |
| 4.0 | 4.653 | 4.627 | 4.542 | 4.653 |  | +0.653 | **no** |
| 6.0 | 6.662 | 6.696 | 6.603 | 6.696 |  | +0.696 | **no** |
| 8.0 | 8.791 | 8.710 | 8.694 | 8.791 |  | +0.791 | **no** |
| 10 | 10.717 | 10.737 | 10.698 | 10.717 |  | +0.717 | **no** |
|  |  |  |  |  |  |  |  |
| 20N  **分度值1.0N** | | 4.0 | 4.181 | 4.541 | 4.249 | 4.541 |  | +0.541 | **ok** |
| 8.0 | 7.632 | 7.613 | 7.634 | 7.613 |  | -0.387 | **ok** |
| 12.0 | 11.416 | 11.436 | 11.421 | 11.416 |  | -0.584 | **ok** |
| 16.0 | 15.567 | 15.566 | 15.537 | 15.537 |  | -0.463 | **ok** |
| 20.0 | 19.256 | 19.342 | 19.356 | 19.256 |  | -0.744 | **ok** |
|  |  |  |  |  |  |  |  |
| **压头伸出量设置** | | **1.0mm** | **实测伸出量** | **1.02mm** | **试验力测量时的移动长度** | | **1.015mm** | |  |

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| **型号** | **435** | | **编号** | **20041292** | | **厂商** | **ERICHSEN** | | |
| 压头几何尺寸  轮型 | | 标称值  Φ16.0mm  (圆) | 1 | 2 | 3 | 最大偏差值 |  | 最大偏差 | **满足状况** |
| 15.834 | 15.926 | 15.884 | 15.834 |  | -0.166 | **no** |
| 0.009 | 0.007 | 0.009 | 0.009 |  | 0.009 | **ok** |
| R0.5mm横断面  (圆) | 0.522 | 0.509 | 0.514 | 0.522 |  | +0.022 | **no** |
| 0.008 | 0.009 | 0.013 | 0.013 |  | 0.013 | **no** |
| 测量段  3N  **分度值0.1N** | | 测量点 | 1 | 2 | 3 |  |  |  |  |
| 0.5N | 0,7054 | 0.7068 | 0.7078 | 0.7078 |  | +0.2078 | **no** |
| 1.0 | 1.2268 | 1.2265 | 1.2283 | 1.2283 |  | +0.2283 | **no** |
| 1.5 | 1.7084 | 1.7077 | 1.7083 | 1.7084 |  | +0.2084 | **no** |
| 2.0 | 2.2059 | 2.2056 | 2.2066 | 2.2066 |  | +0.2066 | **no** |
| 2.5 | 2.6900 | 2.6902 | 2.6923 | 2.6923 |  | +0.1923 | **no** |
| 3.0 | 3.1832 | 3.1923 | 3.1853 | 3.1923 |  | +0.1923 | **no** |
| 10N  **分度值0.5N** | | 2.0 | 2.3717 | 2.3724 | 2.3830 | 2.3830 |  | +0.3830 | **ok** |
| 4.0 | 4.3208 | 4.3136 | 4.3334 | 4.3334 |  | +0.3334 | **ok** |
| 6.0 | 6.3257 | 6.3274 | 6.3176 | 6.3274 |  | +0.3274 | **ok** |
| 8.0 | 8.1926 | 8.2116 | 8.1996 | 8.2116 |  | +0.2116 | **ok** |
| 10 | 10.2542 | 10.1662 | 10.1482 | 10.2542 |  | +0.2542 | **ok** |
|  |  |  |  |  |  |  |  |
| 20N  **分度值1.0N** | | 4.0 | 4.6148 | 4.6542 | 4.6621 | 4.6621 |  | +0.6621 | **ok** |
| 8.0 | 8.5281 | 8.5077 | 8.5224 | 8.5281 |  | +0.5281 | **ok** |
| 12.0 | 12.4747 | 12.4801 | 12.4452 | 12.4801 |  | +0.4801 | **ok** |
| 16.0 | 16.3147 | 16.3172 | 16.3335 | 16.3335 |  | +0.3335 | **ok** |
| 20.0 | 20.0261 | 20.0118 | 20.0584 | 20.0584 |  | +0.0584 | **ok** |
|  |  |  |  |  |  |  |  |
| **压头伸出量设置** | | **0.5mm** | **实测伸出量** | **0.447mm** | **试验力测量时的移动长度** | | **0.445mm** | |  |

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| **型号** | **318** | | **编号** | **178360085** | | **厂商** | **ERICHSEN** | | |
| 压头几何尺寸  球型 | | 标称值  0.75mm  (圆) | 1 | 2 | 3 | 最大偏差值 |  | 最大偏差 | **满足状况** |
| 0.753 | 0.750 | 0.752 | 0.753 |  | +0.003 | **ok** |
| 0.003 | 0.003 | 0.003 | 0.003 |  | 0.003 | **ok** |
| 测量段  3N  **分度值0.1N** | | 测量点 | 1 | 2 | 3 |  |  |  |  |
| 0.5N | 0.743 | 0.713 | 0.704 | 0.743 |  | +0.243 | **no** |
| 1.0 | 1.274 | 1.278 | 1.273 | 1.278 |  | +0.278 | **no** |
| 1.5 | 1.807 | 1.803 | 1.787 | 1.807 |  | +0.307 | **no** |
| 2.0 | 2.346 | 2.351 | 2.376 | 2.376 |  | +0.376 | **no** |
| 2.5 | 2.827 | 2.827 | 2.806 | 2.827 |  | +0.327 | **no** |
| 3.0 | 3.365 | 3.365 | 3.343 | 3.365 |  | +0.365 | **no** |
| 10N  **分度值0.5N** | | 2.0 | 2.358 | 2.354 | 2.354 | 2.358 |  | +0.358 | **ok** |
| 4.0 | 4.337 | 4.319 | 4.368 | 4.368 |  | +0.368 | **ok** |
| 6.0 | 6.272 | 6.284 | 6.274 | 6.284 |  | +0.284 | **ok** |
| 8.0 | 8.124 | 8.279 | 8.270 | 8.279 |  | +0.279 | **ok** |
| 10 | 10.136 | 10.246 | 10.205 | 10.246 |  | +0.246 | **ok** |
|  |  |  |  |  |  |  |  |
| 20N  **分度值1.0N** | | 4.0 | 4.614 | 4.563 | 4.576 | 4.614 |  | +0.614 | **ok** |
| 8.0 | 8.572 | 8.627 | 8.662 | 8.662 |  | +0.662 | **ok** |
| 12.0 | 12.557 | 12.455 | 12.563 | 12.563 |  | +0.563 | **ok** |
| 16.0 | 16.518 | 16.522 | 16.504 | 16.522 |  | +0.522 | **ok** |
| 20.0 | 20.344 | 20.195 | 20.344 | 20.344 |  | +0.344 | **ok** |
|  |  |  |  |  |  |  |  |
| **压头伸出量设置** | | **0.5mm** | **实测伸出量** | **0.496mm** | **试验力测量时的移动长度** | | **0.495mm** | |  |

**球型压头几何尺寸**

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| **厂商** | **编号** | **标称值** | **实测值1** | **2** | **3** | **最大偏差值** | **最大偏差** |  | **满足状况** |  |
| BGD | 1 | Φ0.5mm | 0.4814  0.0024 | 0.5007  0.0035 | 0.4884  0.0028 | 0.4814  0.0035 | -0.0186  0.0035 |  | no |  |
| BGD | 2 | Φ0.5mm | 0.5267  0.0046 | 0.5013  0.0044 | 0.5002  0.0009 | 0.5267  0.0046 | +0.0267  0.0046 |  | no |  |
| BGD | 3 | Φ0.5mm | 0.5045  0.0025 | 0.4949  0.0021 | 0.5035  0.0021 | 0.4949  0.0025 | -0.0051  0.0025 |  | ok |  |
| BGD | 4 | Φ0.5mm | 0.4985  0.0018 | 0.4979  0.0026 | 0.4980  0.0017 | 0.4979  0.0026 | -0.0021  0.0026 |  | ok |  |
| BGD | 5 | Φ0.5mm | 0.5016  0.0031 | 0.4955  0.0026 | 0.4980  0.0032 | 0.4955  0.0032 | -0.0045  0.0032 |  | ok |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **西梯埃** | 1 | Φ0.75mm | 0.744  0.014 | 0.751  0.011 | 0.761  0.019 | 0.761  0.019 | +0.011  0.019 |  | no |  |
|  |  |  |  |  |  |  |  |  |  |  |
| BGD | 1 | Φ1.0mm | 1.0953  0.0078 | 1.0063  0.0074 | 1.0627  0.0108 | 1.0953  0.0108 | +0.0953  0.0108 |  | no |  |
| BGD | 2 | Φ1.0mm | 1.0193  0.0167 | 1.0063  0.0161 | 1.0558  0.0147 | 1.0558  0.0167 | +0.0558  0.0167 |  | no |  |
| BGD | 3 | Φ1.0mm | 1.0213  0.0205 | 1.0258  0.0201 | 0.9433  0.0238 | 0.9433  0.0238 | -0.0567  0.0238 |  | no |  |
| BGD | 4 | Φ1.0mm | 0.9947  0.0090 | 0.9858  0.0094 | 0.9987  0.0079 | 0.9858  0.0094 | -0.0142  0.0094 |  | no |  |
| BGD | 5 | Φ1.0mm | 1.0173  0.0157 | 1.0065  0.0161 | 1.0135  0.0187 | 1.0173  0.0187 | +0.0173  0.0187 |  | no |  |
|  |  |  |  |  |  |  |  |  |  |  |

铲型压头几何尺寸

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| **厂商** | **编号** | **标称值** | **实测值1** | **2** | **最大偏差值** | **最大偏差** |  | **满足状况** |  |
| ERICHSEN | 1 | 铲Φ10mm  （圆） | 9.8592  0.0109 | 9.8791  0.0092 | 9.8592  0.0109 | -0.1408  0.0109 |  | no |  |
|  |  | 横截面R0.5mm  （圆） | 0.5644  0.0026 | 0.4477  0.0037 | 0.5644  0.0037 | +0.0644  0.0037 |  | no |  |
|  |  |  |  |  |  |  |  |  |  |

主轴移动设置0.5mm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **主轴移动长度mm** | **实测值 1** | **2** | **3** | **最大偏差数值N** | **标称值N** | **最大偏差N** |  |
| 0.3 | 0.657 | 0.658 | 0.657 | 0.658 | 0.5 | +0.158 |  |
| 0.4 | 0.681 | 0.688 | 0.678 | 0.688 | 0.5 | +0.188 |  |
| 0.5 | 0.701 | 0.684 | 0.705 | 0.705 | 0.5 | +0.205 |  |
|  |  |  |  |  |  |  |  |

划笔硬度计校准原始记录格式

用户单位： 校准条件：室温 ℃、 湿度 %

仪器型号规格： 编号： （ ） 制造厂商：

1. 校准依据：JJF202\*-\*\*\*\*
2. 标准设备：

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 使用装置名称 |  | 型号规格 |  | 测量范围 |  | 不确定度 |  |
|  |  |  |  |

1. 压头几何尺寸校准：

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 压头形状 | 标称值 | 实 测 值 | | | 最大偏差数值  mm | 最大偏差mm | 允差 | 校准结果 | 测量结果  不确定度 |
| 1 | 2 | 3 |
| 球 | Φ0.5mm |  |  |  |  |  | ±0.01mm |  |  |
| Φ0.75mm |  |  |  |  |  |  |  |
| Φ1.0mm |  |  |  |  |  |  |  |
| 铲 | 外圆弧Φ10mm |  |  |  |  |  | ±0.05mm |  |  |
| 横断面圆弧Φ0.5mm |  |  |  |  |  |  |  |
| 轮 | 外圆弧Φ16mm |  |  |  |  |  |  |  |
| 横断面圆弧Φ0.5mm |  |  |  |  |  |  |  |

1. 弹簧试验力校准

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 测量段 | 测量点 | | 实 测 值 | | | | | 最大偏差数值  N | 最大偏差  N | | 允差 | 校准结果 | | 测量结果  不确定度 |
| 1 | 2 | | 3 | |
| 3N  （d=0.1N） | 0.5 | |  |  | |  | |  |  | | ±0.1N |  | |  |
| 1.0 | |  |  | |  | |  |  | |  | |  |
| 1.5 | |  |  | |  | |  |  | |  | |  |
| 2.0 | |  |  | |  | |  |  | |  | |  |
| 2.5 | |  |  | |  | |  |  | |  | |  |
| 3.0 | |  |  | |  | |  |  | |  | |  |
| 10N  （d=0.5N） | 2 | |  |  | |  | |  |  | | ±0.5N |  | |  |
| 4 | |  |  | |  | |  |  | |  | |  |
| 6 | |  |  | |  | |  |  | |  | |  |
| 8 | |  |  | |  | |  |  | |  | |  |
| 10 | |  |  | |  | |  |  | |  | |  |
| 20N  （d=1.0N） | 4 | |  |  | |  | |  |  | | ±1.0N |  | |  |
| 8 | |  |  | |  | |  |  | |  | |  |
| 12 | |  |  | |  | |  |  | |  | |  |
| 16 | |  |  | |  | |  |  | |  | |  |
| 20 | |  |  | |  | |  |  | |  | |  |
| 40N  （d=2.0N） | 10 | |  |  | |  | |  |  | | ±2.0N |  | |  |
| 20 | |  |  | |  | |  |  | |  | |  |
| 30 | |  |  | |  | |  |  | |  | |  |
| 40 | |  |  | |  | |  |  | |  | |  |
| 压头伸出量设置 | | mm | | | 实测伸出量 | | mm | | | 试验力测量时移动长度 | | | mm | |

校准员： 核验员： 校准日期： 年 月 日

划笔硬度计校准证书内页格式

使用标准设备名称：

标准器具证书编号：

依据的技术文件：

1. 压头几何尺寸校准

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 压头型式 | 标称值 | 允差 | 实测值 | 测量结果不确定度 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. 试验力校准

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 测量段 | 测量点 | 允差 | 实测值 | 测量结果不确定度 |
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校准员： 核验员： 校准日期： 年 月 日