

CALIBRATION WEIGHTS

ASTM and NIST
CLASSIFICATION

Calibration Turnaround in
4 Days
OR LESS



RICE LAKE[®]
WEIGHING SYSTEMS

To be the best by every measure[®]

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CALIBRATION WEIGHTS ASTM and NIST CLASSIFICATION



Designed specifically for adjustment of electronic balances and scales, our high-precision stainless steel weights provide easy handling and stacking.

All weights are traceable to the National Institute of Standards and Technology (NIST). Weights are manufactured to one of the following specifications: ASTM E 617 or NIST Handbook 105-1.

To ensure the highest standards, Rice Lake holds membership and actively participates in the following organizations:

- National Voluntary Laboratory Accreditation Program Accredited Weight Calibration Services
- NIST Mass Measurement Assurance Program
- Mid American Measurement Assurance Program
- National Conference on Standards Laboratories
- National Conference on Weights and Measures

Standard Features

- Stainless steel construction, density is approximately 7.84g/cm³
- ASTM Class 1 has a polished finish
- ASTM Class 2-4 and NIST Class F have satin finish
- Cylindrical design up to 5 kg
- Type II design feature a sealing cavity for adjusting material in 100g or larger weights
- Electronic Balance Weights ASTM Classes 1-4 include cases

Options/Accessories

- Cases available for all grip handle weights and NIST Class F
- Calibration certificates
- Custom sets, sizes, styles and capacities
- Handling equipment including transfer carts, lifting bars, tweezers and gloves

Grip-handle Weights



| METRIC | | | | | |
|-----------------|-------|-------|-------|-------|-------|
| CLASSIFICATIONS | ASTM | | | | NIST |
| WEIGHT | 1 | 2 | 3 | 4 | F |
| 30 kg | 12996 | 13114 | 13217 | 13320 | 12572 |
| 25 kg | 12995 | 13113 | 13216 | 13319 | 12571 |
| 24 kg | 12994 | 13112 | 13215 | 13318 | — |
| 20 kg | 12993 | 13111 | 13214 | 13317 | 12569 |
| 16 kg | 12992 | 13110 | 13213 | 13316 | — |
| 10 kg | 12991 | 13109 | 13212 | 13315 | 12567 |
| 8 kg | 12990 | 13108 | 13211 | 13314 | 12565 |
| 5 kg | 12989 | 13107 | 13210 | 13313 | 12564 |

| AVOIRDUPOIS | | | | | |
|-----------------|-------|-------|-------|-------|-------|
| CLASSIFICATIONS | ASTM | | | | NIST |
| WEIGHT | 1 | 2 | 3 | 4 | F |
| 50 lb | 13038 | 13155 | 13258 | 13361 | 12677 |
| 30 lb | 13037 | 13154 | 13257 | 13360 | 12676 |
| 25 lb | 13036 | 13153 | 13256 | 13359 | 12675 |
| 20 lb | 13035 | 13152 | 13255 | 13358 | 12674 |
| 10 lb | 13034 | 13151 | 13254 | 13357 | 12673 |

Cylindrical and Electronic Balance Weights



| METRIC | | | | | |
|-----------------|-------|-------|-------|-------|-------|
| CLASSIFICATIONS | ASTM* | | | | NIST |
| WEIGHT | 1 | 2 | 3 | 4 | F |
| 5 kg | 12958 | 13076 | 13179 | 13282 | 12521 |
| 4 kg | 12956 | 13074 | 13177 | 13280 | 12519 |
| 3 kg | 12954 | 13072 | 13175 | 13278 | 12517 |
| 2 kg | 12952 | 13070 | 13173 | 13276 | 12515 |
| 1500 g | 12985 | 13103 | 13206 | 13309 | — |
| 1 kg | 12971 | 13089 | 13192 | 13295 | 12513 |
| 600 g | 12983 | 13101 | 13204 | 13307 | — |
| 500 g | 12950 | 13068 | 13171 | 13274 | 12511 |
| 400 g | 12968 | 13086 | 13189 | 13292 | 12531 |
| 300 g | 12966 | 13084 | 13187 | 13290 | 12529 |
| 200 g | 12948 | 13066 | 13169 | 13272 | 12509 |
| 160 g | 12981 | 13099 | 13202 | 13305 | — |
| 150 g | 12979 | 13097 | 13200 | 13303 | 12549 |
| 100 g | 12946 | 13064 | 13167 | 13270 | 12507 |
| 80 g | 12977 | 13095 | 13198 | 13301 | — |
| 50 g | 12964 | 13082 | 13185 | 13288 | 12527 |
| 30 g | 12962 | 13080 | 13183 | 13286 | 12525 |
| 20 g | 12960 | 13078 | 13181 | 13284 | 12523 |
| 10 g | 12944 | 13062 | 13165 | 13268 | 12505 |

*ASTM weights are kits (case and glove included)

| AVOIRDUPOIS | | | | | |
|-----------------|-------|-------|-------|-------|-------|
| CLASSIFICATIONS | ASTM* | | | | NIST |
| WEIGHT | 1 | 2 | 3 | 4 | F |
| .5 lb | 13032 | 13149 | 13252 | 13355 | 12624 |
| .05 lb | 13028 | 13145 | 13248 | 13351 | 12614 |
| .1 lb | 13026 | 13143 | 13246 | 13349 | 12612 |
| .2 lb | 13024 | 13141 | 13244 | 13347 | 12610 |
| 10 lb | 13021 | 13138 | 13241 | 13344 | 12606 |
| 5 lb | 13019 | 13136 | 13239 | 13342 | 12604 |
| 4 lb | 13017 | 13134 | 13237 | 13340 | 12602 |
| 3 lb | 13015 | 13132 | 13235 | 13338 | 12600 |
| 2 lb | 13013 | 13130 | 13233 | 13336 | 12598 |
| 1 lb | 13011 | 13128 | 13231 | 13334 | 12596 |
| 8 oz | 13009 | 13126 | 13229 | 13332 | 12594 |
| 4 oz | 13007 | 13124 | 13227 | 13330 | 12592 |
| 2 oz | 13005 | 13122 | 13225 | 13328 | 12590 |
| 1 oz | 13003 | 13120 | 13223 | 13326 | 12587 |
| 1/2 oz | 13001 | 13118 | 13221 | 13324 | 12584 |

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Your Rice Lake Weighing Systems distributor is:

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Specifications subject to change without notice.