



CeraCheck® Precision Measurement Products

CoorsTek, a leading global engineered ceramics manufacturer, offers a full line of precision measurement instruments for machine setup and calibration use. CeraCheck instruments are manufactured from durable aluminum oxide ceramic materials, a lightweight alternative to unwieldy granite and steel instruments.

CeraCheck advanced ceramic instruments offer superior hardness, excellent dimensional stability, and the best stiffness-to-weight ratio of competitive materials.

CeraCheck products are available in the following standard shapes:

- Master squares
- Surface plates
- Parallels and sets
- Straight edges

If our standard shapes do not meet your needs, CoorsTek will design and manufacture custom items to your specifications.

FEATURES AND BENEFITS

Extended Calibration Life

Manufactured from advanced ceramic materials with exceptional hardness, CoorsTek CeraCheck instruments are significantly harder than granite or steel, resulting in decreased wear.

Improved Durability

CoorsTek advanced alumina is completely non-porous and inert—eliminating moisture absorption and corrosion, and making CeraCheck instrumentation especially useful in high-temperature and high-humidity environments.

Repeatable Accuracy

In comparison to steel or granite, CoorsTek high-purity ceramic materials have a low coefficient of thermal expansion, providing consistent and accurate measurements — time after time.

Easier Handling and Lifting

CeraCheck precision measurement instruments are one-half the weight of steel, and one-third the weight of granite, so lifting, handling, and transporting are a one person task. Contact us today for more information.

| PART # | DESCRIPTION INCHES [MM] | FACES | AIR CASE PART NUMBER | WEIGHT LBS. [KG] |
|----------------|----------------------------|-------|-------------------------|---------------------|
| MASTER SQUARE | | | | |
| 125034 | 2x14x14 [51x350x350] | 5 | 6128192 | 6 [2.7] |
| 125004 | 2x6x6 [51x152x152] | 5 | 102525 | 5 [2.3] |
| 125003 | 2x9x12 [51x229x305] | 5 | 102526 | 15 [6.8] |
| 125002 | 3x12x18 [76x305x457] | 5 | 102527 | 33 [15.0] |
| 125001 | 3x18x24 [76x457x610] | 5 | 102528 | 65 [29.5] |
| 125000 | 3x18x36 [76x457x914] | 5 | 118315 | 80 [36.4] |
| 125859 | 3x14x14 [76x350x350] | 5 | 126432 | 30 [13.6] |
| SURFACE PLATES | | | | |
| 103441 | 2x6x9 [51x152x229] | 1 | 6129503 | 9 [4.1] |
| 103443 | 2x9x12 [51x229x305] | 1 | 102526 | 16 [7.3] |
| 103445 | 3x12x18 [76x305x457] | 1 | 102527 | 37 [16.8] |
| 103447 | 3.8x18x24 [95x457x610] | 1 | 6129504 | 63 [28.6] |
| 103449 | 3.8x18x36 [95x457x914] | 1 | 6129505 | 95 [43.2] |
| PARALLELS | | | | |
| 102268 | 0.75x1x8 [19x25x203] | 4 | 102529 | 1 [0.5] |
| 102270 | 1x2x12 [25x51x305] | 4 | 102530 | 3 [1.4] |
| 102272 | 1.5x3x18 [38x76x457] | 4 | 102531 | 11 [5.0] |
| STRAIGHT EDGE | | | | |
| 102274 | 1.5x3x18 [38x76x457] | 1 | 103403 | 10 [4.5] |
| 102276 | 3x5x24 [76x127x610] | 1 | 103404 | 25 [11.4] |
| 102278 | 3x5x36 [76x127x914] | 1 | 103405 | 36 [16.4] |
| 102280 | 3x8x48 [76x203x1219] | 1 | 103406 | 89 [40.5] |

Components are finished and calibrated to required flatness, squareness, and parallelism with documented traceability to the National Institute of Standards and Technology. Specifications and pricing are effective as of October 2016 and are subject to change without notice. CoorsTek and CeraCheck are registered trademarks of CoorsTek, Inc.



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