



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	25 [11.34]
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 subject to change without notice. CoorsTek and CeraCheck are registered trademarks of CoorsTek, Inc.



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