

Ceramic Gauge Block Sets Grade 1 with Inspection Certificate

Grade 1 with Inspection Certificate

Specifications

Accuracy

EN ISO 3650



Inspection
Certificate

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CERTIFICATE OF INSPECTION

Instrument: Gauge Block
Grade: G (ASME)
Date of inspection: 18th May, 2006 Unit: μ inch

Normal Length inch	Ident. No.	Central Deviation	Maximum Deviation	Minimum Deviation	Variation
1	06280	-0.4	+1.2	-0.4	1.6

ENVIRONMENT: Air temperature $(68 \pm 1.8)^\circ\text{F}$ $(20 \pm 1.0)^\circ\text{C}$
BASIS OF TEST: ASME B89.1.9-2002
MATERIAL: Steel
INSPECTION METHOD: by comparator
COEFFICIENT OF THERMAL EXPANSION: $(6.0 \pm 0.3) \times 10^{-6}/^\circ\text{F}$ $(10.9 \pm 0.5) \times 10^{-6}/^\circ\text{C}$
EXPANDED UNCERTAINTY $\pm$ or less 2.4 μ inch
Per Deviation Deviated: $(\pm 100^\circ)$ $(1.2 \pm 1 / 2.3) \mu$ inch
(n=2)
QUALITY SYSTEM: ISO 9001 Registered Firm / JQA 900109
TRACEABILITY: Traceable to NIST No. 601/50024-03
G103-National Institute of Standards and Technology

Date: 18th May, 2006
A. Shiro

Inspection certificate

Grad K/0/1/2 Gauge Block Sets with JCSS Calibration Certificate (issued by the Mitutoyo JCSS accredited laboratory) see online.

Metric

No.	Blocks per set	Grade	Material	Set configuration	Mass [g]
516-339-10	112	1	Ceramic	1,0005 mm (1 block) 1,001-1,009 mm (0,001 mm step / 9 blocks) 1,01-1,49 mm (0,01 mm step / 49 blocks) 0,5-24,5 mm (0,5 mm step / 49 blocks) 25-100 mm (25 mm step / 4 blocks)	3200
516-343-10	103	1	Ceramic	1,005 mm (1 block) 1,01-1,49 mm (0,01 mm step / 49 blocks) 0,5-24,5 mm (0,5 mm step / 49 blocks) 25-100 mm (25 mm step / 4 blocks)	3000
516-371-10	88	1	Ceramic	1,0005 mm (1 block) 1,001-1,009 mm (0,001 mm step / 9 blocks) 1,01-1,49 mm (0,01 mm step / 49 blocks) 0,5-9,5 mm (0,5 mm step / 19 blocks) 10-100 mm (10 mm step / 10 blocks)	3200
516-347-10	87	1	Ceramic	1,001-1,009 mm (0,001 mm step / 9 blocks) 1,01-1,49 mm (0,01 mm step / 49 blocks) 0,5-9,5 mm (0,5 mm step / 19 blocks) 10-100 mm (10 mm step / 10 blocks)	2800
516-351-10	76	1	Ceramic	1,005 mm (1 block) 1,01-1,49 mm (0,01 mm step / 49 blocks) 0,5-9,5 mm (0,5 mm step / 19 blocks) 10-40 mm (10 mm step / 4 blocks) 50-100 mm (25 mm step / 3 blocks)	2400
516-355-10	56	1	Ceramic	0,5 mm (1 block) 1,001-1,009 mm (0,001 mm step / 9 blocks) 1,01-1,09 mm (0,01 mm step / 9 blocks) 1,1-1,9 mm (0,1 mm step / 9 blocks) 1-24 mm (1 mm step / 24 blocks) 25-100 mm (25 mm step / 4 blocks)	2200
516-359-10	47	1	Ceramic	1,005 mm (1 block) 1,01-1,09 mm (0,01 mm step / 9 blocks) 1,1-1,9 mm (0,1 mm step / 9 blocks) 1-24 mm (1 mm step / 24 blocks) 25-100 mm (25 mm step / 4 blocks)	2000
516-363-10	47	1	Ceramic	1005 mm (1 block) 1,01-1,19 mm (0,01 mm step / 19 blocks) 1,2-1,9 mm (0,1 mm step / 8 blocks) 1-9 mm (1 mm step / 9 blocks) 10-100 mm (10 mm step / 10 blocks)	2600
516-396-10	46	1	Ceramic	1,001-1,009 mm (0,001 mm step / 9 blocks) 1,01-1,09 mm (0,01 mm step / 9 blocks) 1,1-1,9 mm (0,1 mm step / 9 blocks) 1-9 mm (1 mm step / 9 blocks) 10-100 mm (10 mm step / 10 blocks)	2700
516-180-10	34	1	Ceramic	1,0005 mm (1 block) 1,001-1,009 mm (0,001 mm step / 9 blocks) 1,01-1,09 mm (0,01 mm step / 9 blocks) 1,1-1,9 mm (0,1 mm step / 9 blocks) 1-5 mm (1 mm step / 5 blocks) 10 mm (1 block)	1200
516-367-10	32	1	Ceramic	1,005 mm (1 block) 1,01-1,09 mm (0,01 mm step / 9 blocks) 1,1-1,9 mm (0,1 mm step / 9 blocks) 1-9 mm (1 mm step / 9 blocks) 10-30 mm (10 mm step / 3 blocks) 60 mm (1 block)	1300