

# MarGage 408 C / 409 C

Rectangular gage block set made of ceramic

## FEATURES

- For use in metrology rooms as well as harsh workshop environments
- Practical properties: easy to slide, corrosion-free, no need to preserve, lightweight and very scratch-resistant
- **Corrosion-resistant:** ceramic is also highly resistant to lyes, acids, oil, grinding water and other aggressive media
- Damage to measuring surfaces from scratches or outbreaks causes no burring. The slide function and dimensional stability are retained
- **Extremely wear-resistant:** the longest idle periods and highest stability of all gage block materials. Allows for significantly longer gage monitoring intervals
- **Coefficient of expansion similar to that of steel:** therefore there are no usage restrictions, in manufacturing or in the laboratory, even in extreme temperature conditions
- Ceramic is antistatic, anti-magnetic and not electrically conductive

### Calibration class K

As primary factory standard, particularly for the calibration of subsidiary test laboratories, e.g. for gage blocks of lower tolerance classes.

### Tolerance class 0

For maximum accuracy requirements. To be used as basic standards in test laboratories and precision inspection rooms, where other gage blocks and high accuracy measuring instruments are calibrated.

### Tolerance class 1

For high accuracy requirements. As reference gage block for the measuring room. Designed to perform particularly accurate measurements. For setting indicating measuring instruments. For checking precision gages.

### Tolerance class 2

For checking production gages of quality IT 6 and IT 7. For setting indicating measuring instruments and for checking accurate dimensions in the jig and tool industry.

- **Package contains:** wooden case with clear labeling strips, Mahr calibration certificate

- **Coefficient of linear expansion:**  $9.3 \times 10^{-6} \text{ K}^{-1}$



## TECHNICAL DATA

Order no.	Type	Quantity per set	Tolerance class	Nominal sizes	Increment	Number
		Pieces		mm	mm	
4800028	408 C	111	0	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1 – 24.5	0.5	48
				25 – 100	25	4
4800029	408 C	111	1	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1 – 24.5	0.5	48
				25 – 100	25	4
4800026	408 C	111	2	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1 – 24.5	0.5	48
				25 – 100	25	4
4800025DKS	408 C	111	K	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1 – 24.5	0.5	48
				25 – 100	25	4
4800038	409 C	121	0	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1.6 – 1.9	0.1	4
				1 – 24.5	0.5	48
				30. 40. 60. 70	10	6
				.80 .90	25	4
				25. 50. 75. 100		
4800039	409 C	121	1	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1.6 – 1.9	0.1	4
				1 – 24.5	0.5	48
				30. 40. 60. 70	10	6
				.80 .90	25	4
				25. 50. 75. 100		
4800037	409 C	121	2	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1.6 – 1.9	0.1	4
				1 – 24.5	0.5	48
				30. 40. 60. 70	10	6
				.80 .90	25	4
				25. 50. 75. 100		
4800036DKS	409 C	121	K	0.5	-	1
				1.001 – 1.009	0.001	9
				1.01 – 1.49	0.01	49
				1.6 – 1.9	0.1	4
				1 – 24.5	0.5	48
				30. 40. 60. 70	10	6
				.80 .90	25	4
				25. 50. 75. 100		

## ACCESSORIES

Order no.	Description	Type
4800130	Gage block maintenance accessories	424
4800140	Optical flat, Ø = 45 mm	421
4800142	Wooden tongs, single, to prevent heat transfer when handling gage blocks	423



423



424