

MarGage 405 C / 406 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	
4800420	405 C	47	0	1.005 1.01 – 1.19 1.2 – 1.9 1 – 9 10 – 100	- 0.01 0.1 1 10	1 19 8 9 10
			Includes Mahr calibration certificate			
4800421	405 C	47	1	1.005 1.01 – 1.19 1.2 – 1.9 1 – 9 10 – 100	- 0.01 0.1 1 10	1 19 8 9 10
			Includes Mahr calibration certificate			
4800422	405 C	47	2	1.005 1.01 – 1.19 1.2 – 1.9 1 – 9 10 – 100	- 0.01 0.1 1 10	1 19 8 9 10
			Includes Mahr calibration certificate			
4800423DKS	405 C	47	K	1.005 1.01 – 1.19 1.2 – 1.9 1 – 9 10 – 100	- 0.01 0.1 1 10	1 19 8 9 10
			Includes DAkkS calibration certificate			
4800018	406 C	87	0	0.5 1.001 – 1.009 1.01 – 1.49 1 – 9.5 10 – 100	- 0.001 0.01 0.5 10	1 9 49 18 10
			Includes Mahr calibration certificate			
4800019	406 C	87	1	0.5 1.001 – 1.009 1.01 – 1.49 1 – 9.5 10 – 100	- 0.001 0.01 0.5 10	1 9 49 18 10
			Includes Mahr calibration certificate			
4800017	406 C	87	2	0.5 1.001 – 1.009 1.01 – 1.49 1 – 9.5 10 – 100	- 0.001 0.01 0.5 10	1 9 49 18 10
			Includes Mahr calibration certificate			
4800416DKS	406 C	87	K	0.5 1.001 – 1.009 1.01 – 1.49 1 – 9.5 10 – 100	- 0.001 0.01 0.5 10	1 9 49 18 10
			Includes DAkkS calibration certificate			

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



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