

# MarGage 418 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

### 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.

- **Package contains:** wooden case with clear labeling strips, Mahr calibration certificate
- **Coefficient of linear expansion:**  $9.3 \times 10^{-6} \text{ K}^{-1}$

### Application:

- Pair of protective gage blocks: As outer cover gage blocks where the same gage blocks are in frequent use



## TECHNICAL DATA

| Order no. | Type  | Quantity per set | Tolerance class                       | Nominal sizes | Number |
|-----------|-------|------------------|---------------------------------------|---------------|--------|
|           |       | Pieces           |                                       | mm            |        |
| 4800085   | 418 C | 2                | 0                                     | 2             | 2      |
|           |       |                  | Includes Mahr calibration certificate |               |        |
| 4800086   | 418 C | 2                | 1                                     | 2             | 2      |
|           |       |                  | Includes Mahr calibration certificate |               |        |