

Intelligence inside – Hermes CBNⁱ bonded abrasives



Product description

The core body of **Hermes CBNⁱ bonded abrasives** is equipped with an RFID chip (Radio Frequency Identification). These chips enable the machine and the tool to communicate with one another and transmit important data wirelessly to make your grinding process more reliable and more efficient. Chip storage capacities currently range from 752 - 2000 bytes at a reading speed of 0.02 - 0.03 seconds per 16 bytes.

Prior to delivery, Hermes agrees with tool users the data to be stored, which may be test data (including actual diameter), process identification no., max. circumferential speed or dressing parameters, for example – and on request, this includes setting up password protection*.

Benefits you will appreciate

- **Compliance with safety issues** such as calibration of maximum circumferential speed, for example
- **Identification of the abrasive tool** (tool and order no. or similar)
- **Optimization of grinding parameters** such as the specification of dressing parameters **for better tool lives** and an **optimized grinding process**, for example, or statement of actual dimensions **to reduce process setup times**
- **Documentation of process history** in the event of tool change or for evaluation purposes

*This requires a suitable machine control unit, a read/write unit and a compatible data structure.



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