

**Spark erosion of mould inserts and mould cores made from
ALBROMET W164 and W200 copper alloys**

Ladies and gentlemen,

Before now, there has not been any universally reliable calibration data for the spark erosion of our beryllium-free copper alloys ALBROMET W164 and W200. Recently, experiments using two erosion machines (Zimmer & Kreim, OPS-Ingersoll) with the latest technology were carried out at:

GUSTAV BLOME GMBH
Representing Poco Graphite Inc. Texas, USA
75417 Mühlacker

Spark Erosion – Calibration Data and Test Results						
Electrode: Copper-infiltrated graphite Poco EDM C3						
Erosion surface area mm ²	Erosion depth mm	Wear %	Erosion time min	Pulse duration µsec	Average current A/cm ²	Peak current A
ALBROMET W164						
130	5	18% (0,77; 4,23)	29	21	5	35
130	5	22%	23	21	7	35
100	5	20% (0,84; 4,16)	16	50	8	35
100	5		18	20	5	35
ALBROMET W200						
130	5	21%	29	21	7	35
130	5	18%	30	21	5	35
100	5	20% (0,86; 4,14)	19	20	5	35
100	5	23% (0,94; 4,06)	16	50	8	35

The test results are considered "Good"! The company GUSTAV BLOME is offering all customers free support on site in order to reproduce these results. The contact person is Mr. Schmalzried.

Peter Lang

ALBROMET Handelsgesellschaft mbH