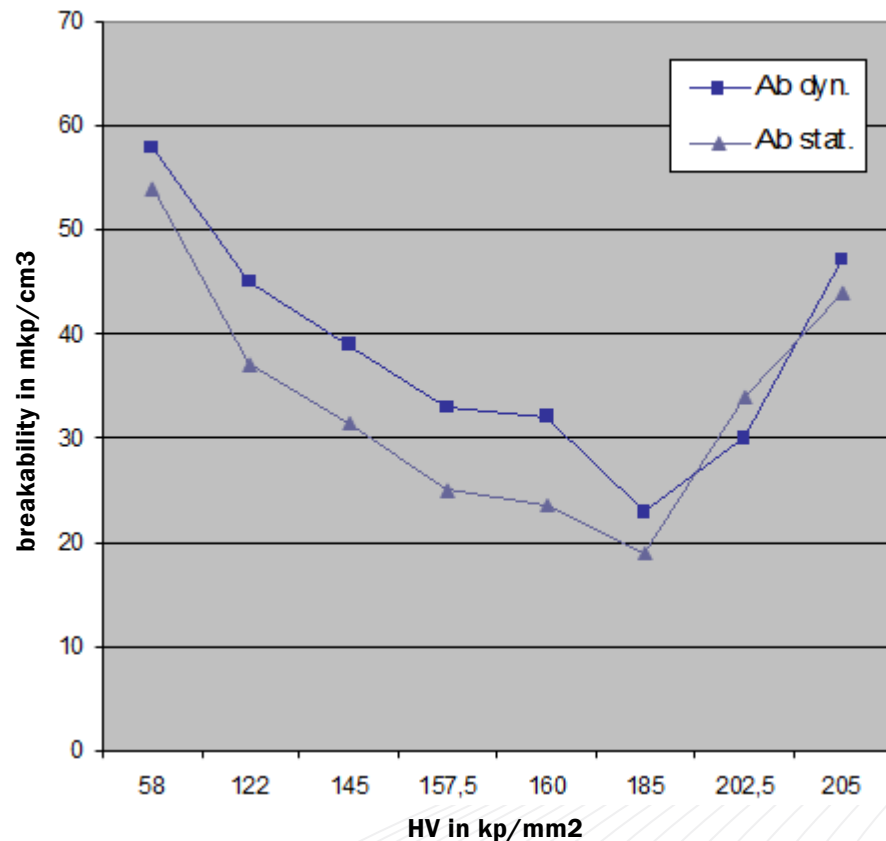


Cutting loads in relation to copper hardness



Specific breakability (Ab)
In relation to the Micron hardness (HV)

The best range is between 180 and 190 HV. At 210 HV, the breakability is already 3 times higher.

The picture built up in the chart and other examinations at the material test facility in Stuttgart led to the specification of the engraving copper of $190 \pm 10\text{HV}$.