LUKAS Technical details for choosing burrs

Quality

LUKAS[®] burrs are made in HSS or hard metal, tested at a practical level and compliant with the current technical state of the art. Production is made with modern automatic CNC grinding machines, which guarantee optimal teeth and rake angle for high performance levels in any application. Furthermore, HSS burrs are subjected to further thermal treatment for constant high quality.

• Use

LUKAS[®] burrs make it possible to functionally chip various types of material, accurately following the teeth or cut at the correct number of revs. The general principle is the following: soft material = large teeth or cut, hard material = fine teeth or cut.

Warning

LUKAS[®] burrs in HSS may be mounted on all machines on the market, whether they are electrically or air activated. Eccentricity and vibrations of the burr lead to early wear and breakage in the teeth Extreme contact pressure does not increase performance, but rather leads to quicker wear.

• Cutting speed / revolution per minute

Choosing the teeth and correct number of revs guarantees the best results when chipping a large variety of materials.

In order to facilitate identification of the number of revs according to the type of burr and the type of use, please use the formula indicated below:

- To calculate the number of revs, use the following formula:

 $r = \frac{v \times 1000}{d \times \pi}$

- **Example:**
 - LUKAS® burr, code D 9512 2218
 - head \emptyset (d) = 12 mm / Cutting speed (v) = 150-300 m/min (HSS / Z2)
 - Suggested rev number range (r) 4000-8000 revs/min



Burrs