



**ALFE is the leader company in the manufacturing of Disc Saws for hot and cold shearing.**

**We are able to manufacture diameters up to 2.000 mm, what implies that we cover all the needs of the market.**

**INTERESTING DATAS SO AS TO OUR CUSTOMERS OBTAIN THE HIGHEST EFFICIENCY WITH ALFE's SAWS**

#### TEETH:

For the shearing in hot or in cold, there are other two important factors to remember in order to achieve the best output of the saw. These factors are the form and the height of the teeth.

The number of teeth should be the highest one in order to obtain the maximum cutting edges, keeping in mind that the space among the teeth must keep the pull out material when cutting in order to be able to be expulsed and in the same way, avoid the bluntness of these teeth.

#### REFRIGERATION:

Likewise, we recommend to pay special attention to the saws refrigeration while cutting, as the final output depends on it.

The pressure must be the most intense one and never lower than 40 atmospheres with a flow of 4 m<sup>3</sup> / hour.



Refrigerating liquid's direction and disposal must be the most effective one. We have to take into account if the material's profile or its quality allows to get more or less liquid.

So as to avoid that the saws reach high temperatures, which should not be higher than 100°C if it is possible. And also with the intention of making easier the expulsion of the material that has been cut and is located among the teeth, we recommend to reach pressures between 60 and 100 atmospheres. At the same time, this allows the cooling of faces and teeth.

#### SAWS RECUPERATION:

ALFE offers this service by means of the straightening and sharpening, or by the cutting of new teeth if it is necessary.