

New technology of carbide welding

The technology allows to produce cutting and drilling tools equipped with carbide plates

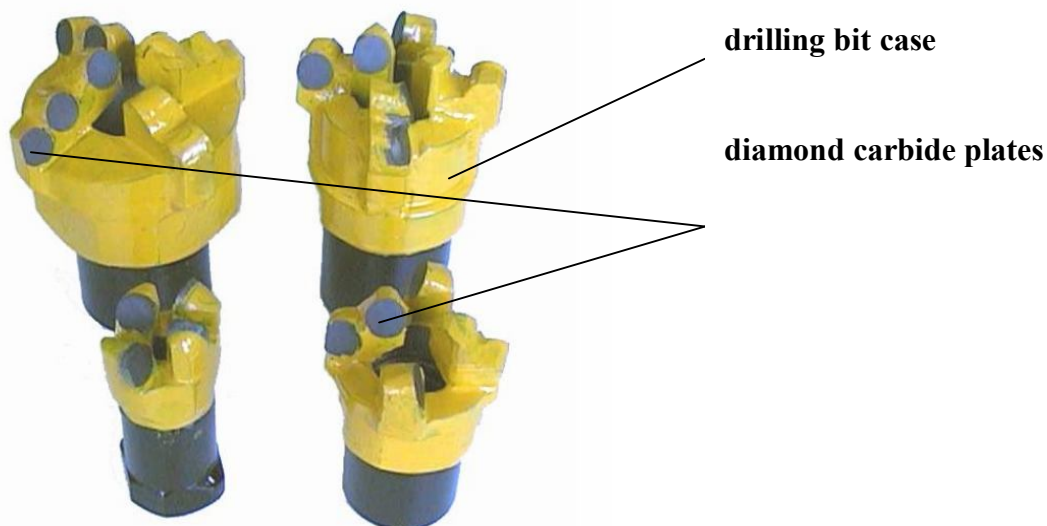
FIELDS OF APPLICATION:

- Tool Industry;
- Machine Engineering.

MAIN FEATURES AND BENEFITS:

- use of the developed welding technology allows to produce carbide tools for metal working processes and drilling tool with improved operational properties and increased time of serviceability;
- replacement of technological brazing processes of a carbide tool to the developed technology allows to exclude the use of scarce silver solder and to increase environmental safety of the products manufacturing process;
- strength of welded joints obtained by the new technology is in 25-60% higher than the strength of solder joints;
- use of the developed technology will allow to reduce the cost of products manufacturing in 2 times.

TYPICAL WELDED STRUCTURES :



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