

YOUR BEST SOLUTION

IDEAL AND INNOVATIVE

Diametal has „your“ best solution, due to its unique expertise in hard materials and coatings, its strong focus on research and development and its commitment to quality and precision.

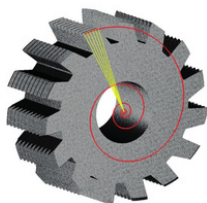
GEAR HOBBING

YOUR NEEDS IN ONE CATALOGUE

Get a comprehensive, high quality gear hobbing solution with our complete product range.

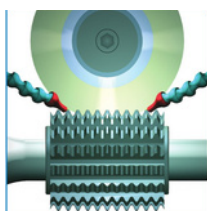
STATEMENT ON TOOLING

ADVANTAGES THAT MAKE THE DIFFERENCE



LOGARITHMIC RELIEF

All gear hobbing tools of DIAMETAL Swiss Cutting Tool are ground with a logarithmic undercut, guaranteeing the exact shape of the profile after each sharpening.



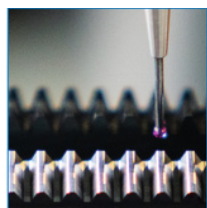
SHARPENING THE GEAR HOBS

The lifetime of a hob depends largely on its sharpening process. The burr formation, deteriorating surface finish and a deformed profile are factors indicating that the tool needs to be reground. We offer a sharpening service for all types and sizes of hobs with the possibility of adapting or changing the cutting angle according to your needs.



SIMULATION

Deviations between the theoretical and actual tooth geometries are quickly calculated and detected when designing the micro gears. DIAMETAL "Virtual Gearing" simulation guarantees short cycle time and maximum process repeatability. We offer individual solutions. Every cutter design is simulated in order to virtually check the tooth profile created by the cutting process and thus guarantee the application.



QUALITY

In order to guarantee a long service life of its hobs, DIAMETAL uses the best carbide grades and the most suitable coatings for your applications. We are able to guarantee process repeatability and consistent profile machining. Our production, which complies with current quality standards, is continually adapted to meet your needs. A systematic check is carried out before each delivery and on request, our gear hobbing tools can be supplied with an inspection report.