

**Added Value for Your Performance**

**Increase of Productivity and Efficiency**

- Material and application-specific solutions.
- Maximum metal removal rates and repeatability.
- Standardised design platforms for special tools based on “proven solutions” for individual optimisations and combination tools.

**Optimised Purchase**

- Broad selection of holemaking tools.
- Integrated into a full range of cutting tools and service offers.
- Onsite service for an efficient development and implementation of machining solutions.

**Control of Total Tooling Costs**

- High tool utilisation through material and application-specific solutions.
- Process-safe regrinding service.
- Reduction of stocks through efficient modular concepts.
- Multiple platforms per application to achieve the most cost-efficient solution.

**Select the Correct Holemaking Product Platform for Your Application**

	hourly rate	low (rough)		normal (M/C)		high (fine)		
	hole quality	IT11	IT10	IT9	IT8	IT7	IT6	
<b>Solid Drilling</b>	<b>diameter</b>							
	3mm (0.118")							
	6mm (0.236")							
	9mm (0.354")							
	12mm (0.472")							
	15mm (0.591")							
	18mm (0.709")							
	21mm (0.827")							
	24mm (0.945")							
	27mm (1.063")							
	30mm (1.181")							
	33mm (1.299")							
	36mm (1.417")							
	39mm (1.535")							
	42mm (1.654")							
	45mm (1.772")							
	58mm (2.283")							
	51mm (2.008")							
	54mm (2.126")							
	57mm (2.244")							
60mm (2.362")								
110mm (4.331")								