













## PREPARATION METHOD

### CERAMICS

 <b>CUTTING</b>		<b>Equipment</b> QATM Qcut / Brillant		<b>Consumables</b> Cut-off wheel: diamond, metal bond (bronze) Anti-corrosion coolant		
 <b>MOUNTING</b>		<b>Equipment</b> Vacuum		<b>Consumables</b> KEM 90 (porous material), KEM 35 (high-density, solid material)		<b>Method</b> Cold mounting
 <b>GRINDING/ POLISHING</b>		<b>Equipment</b> QATM Qpol / Saphir Sample size $\varnothing$ 40 mm				
STEP	MEDIUM		 rpm		 N	 min
 Planar grinding	GALAXY red	H <sub>2</sub> O	250-300	▶▶ Synchronous rotation	30	Until plane
 Grinding	GALAXY blue	H <sub>2</sub> O	250-300	▶▶ Synchronous rotation	30	2:00
 Pre-polishing	BETA	Dia Complete Poly, 9 $\mu$ m + diamond paste	120-150	◀▶ Counter rotation	40	10:00
 Final polishing	GAMMA/DELTA	Dia Complete Poly, 3 $\mu$ m + diamond paste*	120-150	▶▶ Synchronous rotation	30	20:00

\* Time and force might be divergent according to the sample size, disc size and material