














PREPARATION METHOD

NICKEL BASED ALLOY

 CUTTING		Equipment QATM Qcut / Brillant		Consumables Cut-off wheel: corundum, resin or rubber bond Anti-corrosion coolant		
 MOUNTING		Equipment QATM Qpress / Opal		Consumables EPO black, EPO-Max KEM 15 plus		Method Hot mounting Cold mounting
 GRINDING/ POLISHING		Equipment QATM Qpol / Saphir Sample size \varnothing 40 mm				
STEP	MEDIUM		 rpm		 N	 min
 Planar grinding	GALAXY green	H ₂ O	250-300	▶▶ Synchronous rotation	35	Until plane
 Pre-polishing	BETA	Dia Complete Poly, 9 μ m	120-150	◀▶ Counter rotation	30	6:00
 Polishing	GAMMA/DELTA	Dia Complete Poly, 3 μ m	120-150	▶▶ Synchronous rotation	30	3:00
 Final polishing	LAMDA/OMEGA	Eposal, 0.06 μ m	120-150	◀▶ Counter rotation	20	1:30 (H ₂ O during final 0:30)
 Optional: Etching (chemical)	V2A reagent*					Approx. 0:05-0:30

* If etching doesn't work heat up (V2A) to 50 °C