













PREPARATION METHOD

STEEL AND WELDED STEEL (MACRO)

 CUTTING		Equipment QATM Qcut / Brillant	Consumables Cut-off wheel: corundum, resin bond Anti-corrosion coolant				
 MOUNTING		Equipment QATM Qpress / Opal	Consumables EPO black, EPO-Max, Bakelite red/black 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	SiC-paper/foil P180 (180)	H ₂ O	250-300	▶▶ Synchronous rotation	30	Until plane	
 Grinding	SiC-paper/foil P320 (280)	H ₂ O	250-300	◀▶ Counter rotation	25	1:00	
 Grinding	SiC-paper/foil P600 (400)	H ₂ O	250-300	◀▶ Counter rotation	25	1:00	
 Optional: etching (chem.)	Adler's reagent (macro)					Approx. 0.03-0:20	