













PREPARATION METHOD

CARBON/GLASS FIBER REINFORCED COMPOSITES (CFC/GFC)

 CUTTING		Equipment QATM Qcut / Brillant	Consumables Cut-off wheel: diamond, metal bond (bronze) Anti-corrosion coolant				
 MOUNTING		Equipment Pressure unit	Consumables KEM 15 plus, KEM 20			Method Cold mounting	
 GRINDING/ POLISHING		Equipment QATM Qpol / Saphir Sample size \varnothing 40 mm					
STEP	MEDIUM		 rpm		 N	 min	
 Planar grinding	SiC-paper/foil P320 (280)	H ₂ O	250-300	▶▶ Synchronous rotation	35	Until plane	
 Pre-polishing	ALPHA/BETA	Dia Complete Poly, 9 μ m	250-300	◀▶ Counter rotation	30	5:00	
 Polishing	GAMMA/DELTA	Dia Complete Poly, 3 μ m	250-300	▶▶ Synchronous rotation	30	5:00	
 Final polishing	LAMBDA/OMEGA	Eposal, 0.06 μ m	120-150	◀▶ Counter rotation	20	1:30 (H ₂ O during final 0:30)	