

GALA Preparation for Aluminum Samples

Sample diameter: 30 mm, 40 mm, 50 mm
with multiple pressure systems for individual sample pressure

Process	Medium / Grit size	Rotation direction	rpm (min ⁻¹)	Pressure per sample 30 mm (N)	Pressure per sample 40 mm (N)	Pressure per sample 50 mm (N)	Time (min)
Grinding I	SiC Paper #240 2 Times	⇒	300	20	35	55	2
Grinding II	CARAT 15 μm ¹ Pad STEP-PLUS	⇒	300	35	60	100	3-4
Polishing I	MAGNUM-TOP-DUO 3 μm ²	⇒	150	35	40	90	5
Polishing II	Pad MAMBO O.P.S. oxide slurry 50 nm ³	⇒	150	20	30	55	30 s O.P.S. 10 s water

Notes

¹ Use water as coolant/lubricant. Use reduced flow-rate for CARAT disc.

² MAGNUM-TOP-DUO: water-based suspension for manual or automatic dosage. Use without lubricants.

⁴ Moisten MAMBO pad before usage with de-ionized water.

After O.P.S. polishing rinse with de-ionized water for 10 s.

