

GALA Preparation for Chromium Oxide-Coated Steel Samples

Sample diameter: 30 mm, 40 mm, 50 mm
with multiple pressure systems for individual sample pressure
Hot-mounted samples

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 #220 ¹	⇒	300	20	35	55	1
Grinding II	SiC Paper #500 ¹	⇒	300	20	35	55	1
Grinding III	CARAT 15 μm ¹	⇒	300	35	60	400	4
Grinding VI	CARAT 6 μm ¹	⇒	300	35	60	100	6
Grinding V	CARAT 3 μm ¹	⇒	300	35	60	100	4
Polishing	Pad MAMBO Fused alumina slurry AF 2	⇒	150	20	30	55	4

Notes

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



Chromium Oxide-Coated Steel, mag. 100x



Chromium Oxide-Coated Steel, mag. 500x

