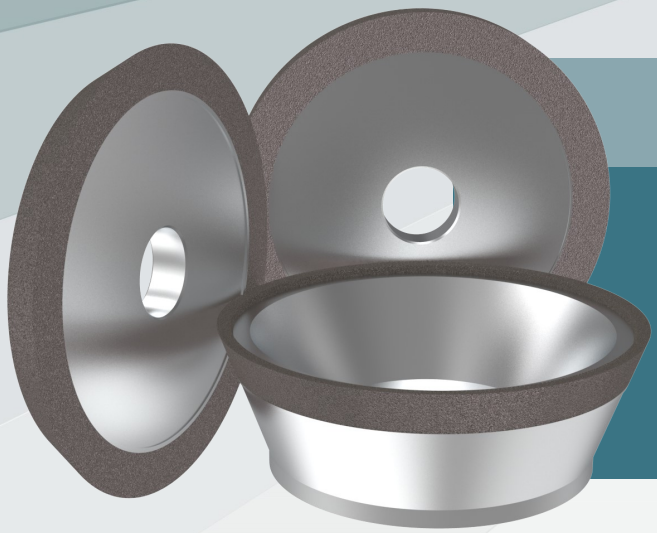


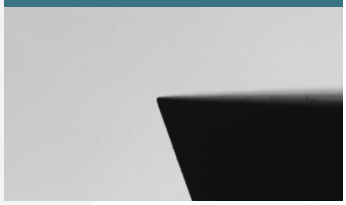
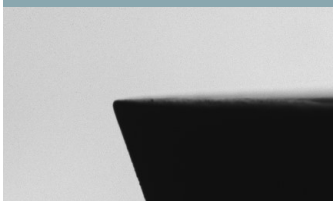
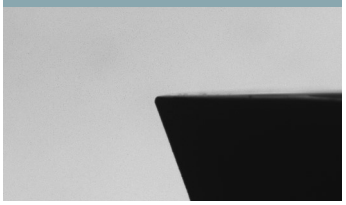
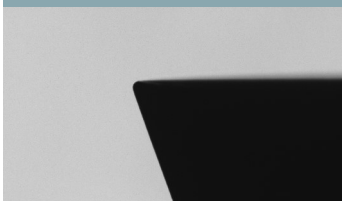
NEW

E-C3 — RESIN BOND FOR HIGHLY EFFECTIVE TOOL SHARPENING

We would like to introduce you *E-C3,* new type of resinous bond, which we have developed for achieving higher grinding efficiency in applications, where edge retention / durability and heat dissipation are crucial. *E-C3* brings significant improvement in these two features in comparison with our older resin bonds, both also in comparison with other producers of super-abrasive grinding wheels .

EDGE RETENTION IN COMPARISON WITH OTHER PRODUCERS

DETAIL OF WHEEL´S EDGE AFTER A TEST

URDIAMANT - RADIUS 0,09 MM	PRODUCER 1 - RADIUS 0,11 MM	PRODUCER 2 - RADIUS 0,12 MM	PRODUCER 3 - RADIUS 0,15 MM
			

- **Grinding Machine:** Walter Helitronic MiniPower
- **Wheel:** 11V9, ø100 mm, grinding layer 2(3)/10 mm, 70°
- **Workpiece:** tungsten carbide (K30-40) ø10 mm
- **Application:** Grinding 1st & 2nd Clearance Angle of an End Mill

- **Infeed (Depth of Cut):** 1,0 mm
- **Peripheral velocity of grinding wheel:** 25 m/s
- **Feedrate:** 60 mm/min
- **Total number of passes:** 40

REAL-LIFE CASE STUDY OF *E-C3*

- **Application:** Re-sharpening Tungsten Carbide End Mills, ø 16 mm
- **Total usage time until 1st re-dressing of wheel:** 140 h
- **Loss of wheel´s diameter:** 0,27 mm
- **Development of radius on wheel:** after first 12h radius has stabilized on 0,1 mm and re-mained constant for 140 h

AVAILABLE SIZES

- **11V9** - diameter max. 125 mm, grinding layer 3/10 mm
- **12V9** - diameter max. 125 mm, grinding layer 3/10 mm
- **1A1, 1V1** - diameter max. 150 mm, dimensions and angle of the grinding layer upon request

CONTACT US FOR MORE INFORMATION

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