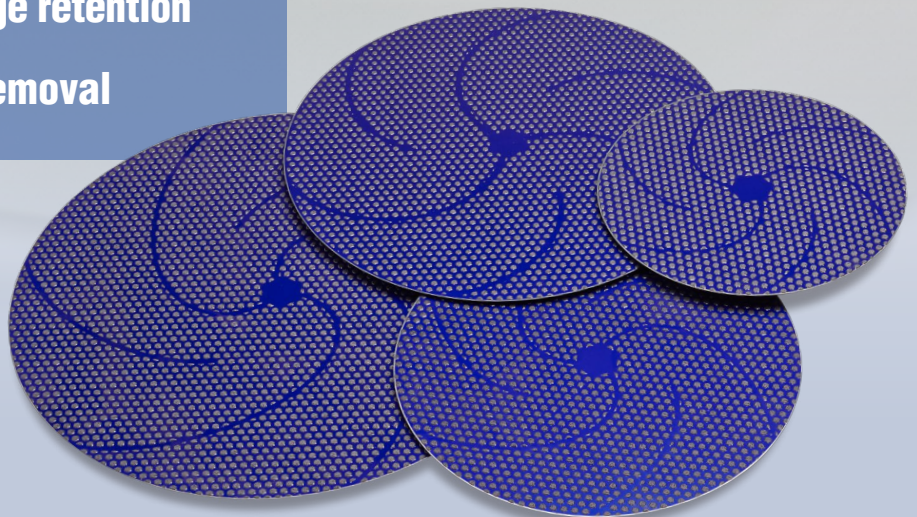


# 99 steps ahead!

Outperforms more than 100 pieces  
of SiC Paper or Foil

- Long lifetime – minimum waste
- Perfect planeness and edge retention
- Constant high material removal



# Long lifetime – perfect planeness – high material removal

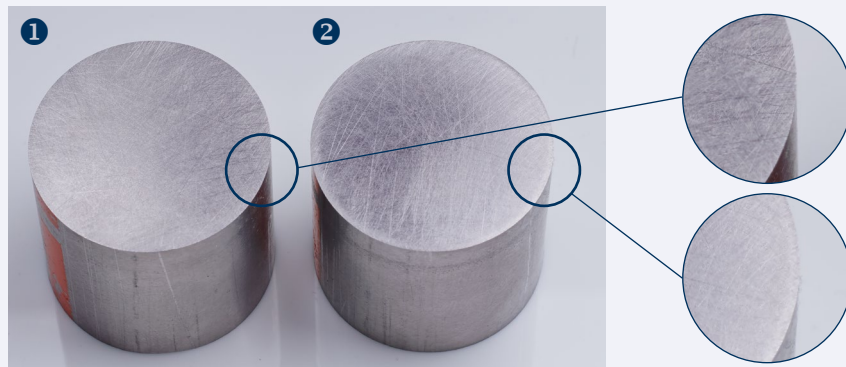
Plane grinding of titanium alloys usually takes place using SiC Paper; however, achieving perfect edge retention, maximum planeness and consistent results is not always easy. SiC Paper wears quickly – meaning frequent paper changes and a longer working process.

MD-Mezzo 220 disc is ideal for plane grinding of titanium alloys and can be used instead of SiC Paper or Foil #220. The following preparation steps are the same, except from the fine grinding step on MD-Largo, which can be shortened as the specimens already are completely flat after plane grinding.

Made with resin bonded diamonds, MD-Mezzo has a lifetime of more than 100 pieces of SiC Paper guaranteeing a high removal rate and continuously short grinding times.

## Planeness of MD-Mezzo 220 versus SiC Paper #220

### Results after fine grinding on MD-Largo with DiaPro Allegro/Largo



❶ The surface of the specimen ground using MD-Mezzo is completely flat.

❷ The surface of the specimen ground using SiC Paper still shows clear signs of edge rounding, even after fine grinding.

Step	PG	FG	OP
Surface	MD-Mezzo 220	MD-Largo	MD-Chem
Lubricant / Suspension	Water	DiaPro Allegro/Largo 9 µm	OP-S**
rpm	300	150	150
Force N / Specimen	40*	30	30
Time	Until plane	5 min.	5 min.

\* 25 N for individual mounted specimens.  
\*\* Mix 90 ml OP-S with 10 ml H<sub>2</sub>O<sub>2</sub> (30%).

### SPECIFICATIONS

	Cat. no.
Resin bonded diamond grinding disc for plane grinding of titanium alloys. Surface finish comparable to SiC Paper/Foil #220. For magnetic fixation on MD-Disc.	
200 mm (8") dia.	40800191
250 mm (10") dia.	40800192
300 mm (12") dia.	40800193
350 mm (14") dia.	40800194

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