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

- The surface of the specimen ground using MD-Mezzo is completely flat.
- The surface of the specimen ground using SiC Paper still shows clear signs of edge rounding, even after fine grinding.

** Mix 90 ml OP-S with 10 ml H2O2 (30%).

SPECIFICATIONS

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

* 25 N for individual mounted specimens.
** Mix 90 ml OP-S with 10 ml H2O2 (30%).

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