2-Wheel Fine Grinding, Flat Honing, Lapping and Polishing

Increased quantities – More performance – Series production – High productivity
User-friendliness – Precision and Safety
2-Wheel Fine Grinding, Flat Honing, Lapping and Polishing

Features
- Sturdy cast design
- Hydraulic machining load control
- Sensitive loading capability
- High repeatability
- Dressing facility
- Wheel cooling
- Use for lapping with cast iron wheels
- Use for cylindrical lapping
- Capability of attaching loading and unloading tables
- Automation concepts
- Safety guard for work zones
- Working wheel diameter up to 540 mm
- Variable planetary drive equipment
- Computer-aided measurement control
- Process linking

Inspiration.
Nature is our model: Inspiration and standard for our endeavours towards innovation and perfection.
“Pioneers” of fine grinding process on two-wheel machines are the DUOMAT and ZL models of the Hahn & Kolb series. They have been advanced by the STAHLI Group and represent thus a successful synthesis of the combined know-how. In the past over 2000 machines from these series were sold worldwide. The users now are being supported by the STAHLI Group and benefit from the latest technology.

With the new ZL 501 GIII we kept the basic principle of the vibrationless and rigid cast design and made it even more rigid and heavy to consider today’s driving power requirements. The pivoted swivelling arm is still supported on a centre beam and the work force is hydraulically applied. Additional improvements and the touch-panel with extended machine functions complete the complete concept.

Worldwide specific service support of the STAHLI Group for the range of fine grinding, lapping and polishing machines of Hahn & Kolb style:

- Spare part service for all models of the DUOMAT and ZL series
- On-site repair and installation service
- General and dedicated overhauls
- Modernization of existing concepts
- Extension with STAHLI measuring size control unit
- On-site consulting
- Acquisition and sale of used machines

Technical data

<table>
<thead>
<tr>
<th>ZL 501 GIII</th>
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<tbody>
<tr>
<td>Total power requirement</td>
<td>15 kW</td>
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<tr>
<td>Workload</td>
<td>500 daN</td>
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<tr>
<td>Upper and lower working wheel</td>
<td>0–360 RPM</td>
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<tr>
<td>Center drive</td>
<td>0–140 RPM</td>
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<tr>
<td>No of driven wheels</td>
<td>2</td>
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Dimensions

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<tr>
<td>Max. working wheel diameter</td>
<td>540 mm</td>
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<tr>
<td>Max. working wheel ring width</td>
<td>165 mm</td>
</tr>
<tr>
<td>Max. work piece diameter</td>
<td>180 mm</td>
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<tr>
<td>Distance between working wheels</td>
<td>50 mm</td>
</tr>
<tr>
<td>Dimensions incl. control cabinet and hydraulic unit L x W x H</td>
<td>2100 x 1710 x 2300 mm</td>
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<tr>
<td>Weight</td>
<td>ca. 2200 kg</td>
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We are one of the leading companies worldwide in the manufacture of flat honing, lapping and polishing machines. At our customers we are known just as much by our standard products as by custom-made and need-oriented special products. This special know-how results from decades of experience from daily new assignments in contract work and the support of our expert and committed workforce. We are happy to pass on our know-how to our customers within the framework of contract work, tests and complex or experimental project studies. Put to the test our reliability and innovative dynamism. Further information may be obtained from the addresses listed or from our homepage.

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