

Woodworking

ETP[®]
HYDRO-GRIP



HYDRO-GRIP GE2

OPERATING INSTRUCTION

Description

High performance unit with perfect balance and runout for your tools. It can even be used in vertical mills, with or without tool changers. The GE2 arbor allows quick and precise tool assembly and a high degree of flexibility. The arbor is adapted for easy attachment of three wing tools.

You will reach your goals faster with the high performance GE2. Higher feed and cutter speed in order to get the super finish and maximum productivity.

Benefits and features

- Quick and precise tool assembly
- High performance and balance
- Safety ring in light metal
- Multiple tool attachment
- Adapted for three wing tools

Safety regulations

The ETP HYDRO-GRIP type GE2 has been manufactured according to the EN-847-1. Please read and understand the assembly instructions before usage. Pay special attention to any nation or regional safety regulations and standards.

The ETP HYDRO-GRIP GE2 is balanced to G 2.5 at 12000 rpm but the maximum allowed rpm is depending on the specified value on the mounted tools. Make sure that the hydro system is fully pressurized and attachment screws are tightened. Danger of injury by the mounted sharp cutting tools on the unit.

Maintenance and service

Make sure that the GE2 arbor is cleaned on a regular basis. Do not clean the GE2 parts in ultrasonic cleaning. After cleaning the arbor, check the pressurizing screws and lubricated with molybdenum disulfide grease if needed. Coat the arbor lightly with anti-moisture spray.

Assembly instructions



The GE2 arbor and all other parts must be thoroughly cleaned; removing all traces of grease, other impurities, dust chips etc. prior to any assembly work is carried out. Coat the GE2 arbor lightly with anti-moisture spray. Do not clean the GE2 parts in ultrasonic cleaning.

The GE2 allow you to choose from multiple tool attachments:

Tool attachment A



Tool attachment by using carrier pegs and the safety ring.

Slide the tool part (and spacers) onto the GE2 arbor. Make sure that the tool is positioned in such a way that the carrier pegs match the holes in the arbor flange. Make sure that the total length of the tool (and spacers) does not exceed the L1 length of the GE2 arbor and allow a clearance of 0,2-0,5 mm.

Attach the safety ring and tight the fastening screw by using an Allen T-wrench (size 8 mm) to 8 Nm.

Pressurize the GE2 by tighten the pressurizing screw until it stops, max 4-5Nm by using an Allen T-wrench (size 6 mm). Any higher tightening torque will not increase the fastening force.

Tool attachment B



Tool attached to the flange using two or three screws (ideally for three wing tools).

Slide the tool part (and spacers) onto the GE2 arbor and insert the attachment screws. Tight the attachment screws finger tight.

Pressurize the GE2 by tighten the pressurizing screw until it stops, max 4-5Nm by using an Allen T-wrench (size 6 mm). Any higher tightening torque will not increase the fastening force.

Tighten the attachment screws to 8 Nm.



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