

Woodworking

STP[®]
HYDRO-GRIP



HYDRO-GRIP G3

OPERATING INSTRUCTION

Description

The new generation of HYDRO-GRIP type G3 has an even more compact design. The hydraulic chuck is equipped with our well known built in safety device. The safety device prevents the tool from falling out when the chuck is not pressurized. Pressurizing is carried out with an allen T-wrench.

Benefits and features

- World famous safety device
- Compact design
- Quick, safe and easy tool change
- Perfect runout and repeatability

Please note, the G3 3/8" must not be pressurized without any tool. The tool must be completely inserted in the chuck before pressurizing in order to avoid any damage.

Technical Specification

Tolerances

The type G3 chuck is designed and manufactured for a router bit shank with the tolerance g6 (h7).

Transmittable torque for tools with tolerances

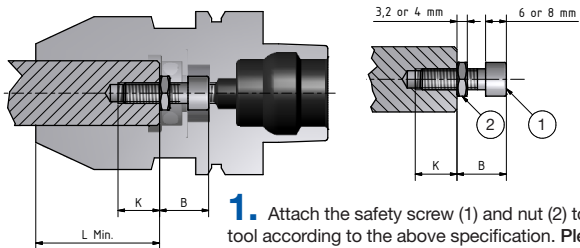
Dimension	h6	h7	g6	L min	B min	B max	K	Safety screw	Nut
D	Nm	Nm	Nm	mm	mm	mm	mm	ISO 4762	ISO 4035
12	25	15	15	29	17	22	16	M6x25	M6
16	80	60	60	35	17	22	16	M6x25	M6
20	185	125	125	41	19	24	16	M8x25	M8
25	400	300	300	48.5	19	24	16	M8x25	M8
3/8"	16	7	7	35	17	22	16	M6x25	M6
1/2"	25	15	15	30.5	17	22	16	M6x25	M6
3/4"	185	125	125	39.5	19	24	16	M8x25	M8
1"	400	300	300	48.5	19	24	16	M8x25	M8

The type G3 chuck is balanced to G2,5 at 25000 rpm.

The runout is measured at 4xD and the max runout is 0,010 mm.

A normally balanced chuck and tool can be used up to a max. speed of 25000 rpm.

Assembly Instructions



1. Attach the safety screw (1) and nut (2) to the shank tool according to the above specification. **Please Note**, in order to get correct balancing and performance, it is very important to keep the specified measurements.



2. The tool and the G3 chuck must be thoroughly cleaned, removing all traces of grease and other impurities.



3. Compress the safety mechanism with your finger.



4. Place the shank tool in the chuck, making sure that the tool is completely inserted and the safety mechanism is still compressed.



5. Remove your finger from the safety mechanism. Tighten the pressurizing screw until it stops, **max 6 Nm!** Any higher tightening torque will not increase the fastening force. Make sure to keep the tool completely inserted into the chuck as you pressurize the unit.

The G3 chuck and the tool are now ready to be installed on the woodworking machine.



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