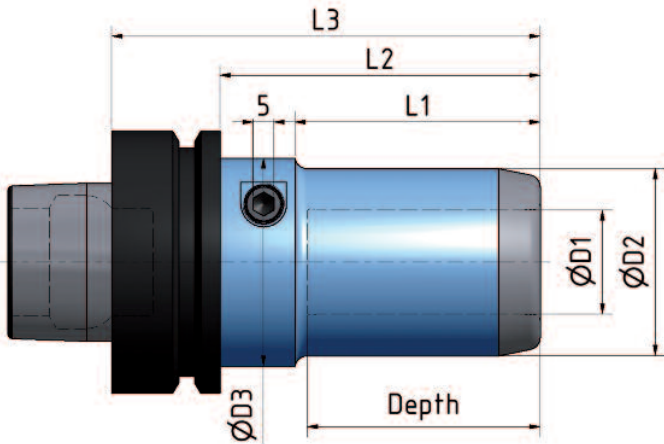




ETP HYDRO-GRIP® G2

HYDRO-GRIP type G2 is extremely user friendly which means quick and easy tool changes. It has a tough and compact design and it is the most slender chuck in our range. A safety feature prevents the tool from falling out when the chuck is not pressurized. The tool shank must be equipped with a thread corresponding to the safety screw size.



Shaft:
HSK 63F
SK30

Benefits and features

- Quick and easy tool change
- High performance
- Slender design
- Excellent runout

Technical specification ETP HYDRO-GRIP® G2

Type	D1	D2	D3	L1	L2	L3	Depth*	N	Max rpm
G2-12	12	32	40	43	61	87	40	5	25000
G2-16	16	38	40	43	61	87	40	5	25000
G2-20	20	40	50	55	73	99	52	5	25000
G2-25	25	45	50	59	77	103	56	5	25000
G2-3/8"	3/8"	32	40	43	61	87	40	5	25000
G2-1/2"	1/2"	32	40	43	61	87	40	5	25000
G2-3/4"	3/4"	40	50	55	73	99	52	5	25000
G2-1"	1"	45	50	59	77	103	56	5	25000

TOLERANCES

The type G2 chuck is designed and manufactured for a router bit shank with the tolerance g6 (h7). Transmittable torque for tools with tolerances:

Type	h6	h7	g6	Safety screw
D	Nm	Nm	Nm	ISO 4762
12	60	30	30	M6x40
16	100	75	75	M6x40
20	260	175	175	M8x45
25	480	350	350	M8x45
3/8"	30	15	15	M6x40
1/2"	60	30	30	M6x40
3/4"	260	175	175	M8x45
1"	480	350	350	M8x45

*)= clamping length

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

The runout is measured at 3xD and the max runout is 0,006 mm.

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

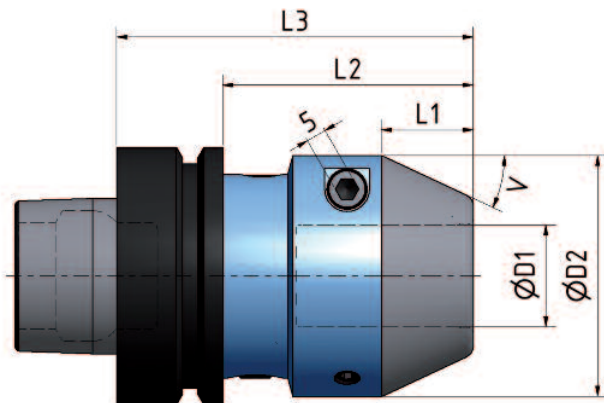


ETP HYDRO-GRIP® G3

HYDRO-GRIP type G3 is historically very tough but the new generation 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. The G3 chuck allows quick, safe and easy tool changes and perfect runout and repeatability.

Benefits and features

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



Shaft:
HSK 63F

Technical specification ETP HYDRO-GRIP® G3

Type	D1	D2	L1	L2	L3	V	Depth *	N	Max rpm
G3-12/HSK63F	12	45	3	42	68	70	24	5	25000
G3-16/HSK63F	16	48	9	48	74	45	30	5	25000
G3-20/HSK63F	20	52	15	54	80	30	36	5	25000
G3-25/HSK63F	25	59	22,5	61,5	87,5	25	43,5	5	25000
G3-3/8"/HSK63F	3/8"	45	3	42	68	70	24	5	25000
G3-1/2"/HSK63F	1/2"	45	4,5	43,5	69,5	65	25,5	5	25000
G3-3/4"/HSK63F	3/4"	52	13,5	52,5	78,5	35	34,5	5	25000
G3-1"/HSK63F	1"	59	22,5	61,5	87,5	25	43,5	5	25000

*) = clamping length.

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.

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:

Type	h6	h7	g6
D	Nm	Nm	Nm
12	25	15	15
16	80	60	60
20	185	125	125
25	400	300	300
3/8"	16	7	7
1/2"	25	15	15
3/4"	185	125	125
1"	400	300	300