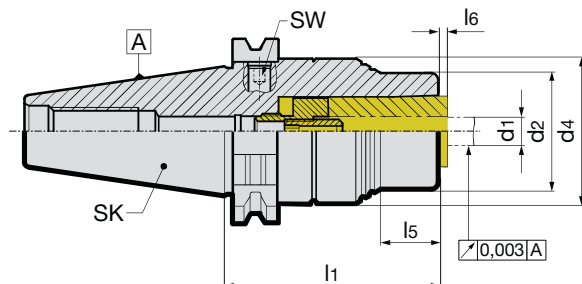


Product information

- for heavy-duty cutting as well as HSC and HPC
- SK taper to DIN ISO 7388-1 form AD
- balancing quality: G2.5 / 20,000 rev./min or U< 1.2 gmm
- for tool shank tolerance h6
- highest clamping force and stability thanks to mech. tension gearing
- actuation torque for clamping initiation 10 Nm
- suitable for internal cooling up to 80 bar central coolant supply form AD
- SK40 - M16 x 2.0 retention knob
- SK50 - M24 x 3.0 retention knob



Scope of delivery

- hexagon clamping key Series no. 4912 4.600
- order clamping sleeves Series no. 4302, 4235, 4236, 4237 separately
- order torque wrench 10 Nm, Series no. 4987 10.000, and hexagon socket/attachments, Series no. 4916 4.000, separately

- form AD/B on request



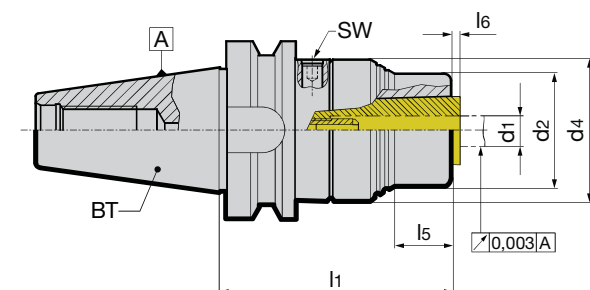
Series no. 4301

SK	nom. size	for clamping-Ø d1 h6 mm	d2 mm	d4 mm	l1 mm	l5 mm	l6 mm	SW	Code no.	EDP Number
40	20	3-20	40	50	62.5	20	3.0	4	20.040	9043010200400
50	20	3-20	40	63	62	18	3.0	4	20.050	9043010200500
50	25	16-32	52.5	70	101.5	-	3.5	4	25.050	9043010250500

MAS/BT precision clamping chucks

Product information

- for heavy-duty cutting as well as HSC and HPC
- MAS/BT to DIN ISO7388-2 form AD
- balancing quality: G2.5 / 20,000 rev./min or U< 1.2 gmm
- for tool shank tolerance h6
- highest clamping force and stability thanks to mech. tension gearing
- actuation torque for clamping initiation 10 Nm
- suitable for internal cooling up to 80 bar
- BT30 - M12 x 1.75 retention knob
- BT40 - M16 x 2.0 retention knob
- BT50 - M24 x 3.0 retention knob



Scope of delivery

- hexagon clamping key Series no. 4912 4.600
- order clamping sleeves Series no. 4302, 4235, 4236, 4237 separately
- order torque wrench 10 Nm Series no. 4987 10.000 and hexagon socket/attachments Series no. 4916 4.000 separately

- form AD/B on request



Series no. 4244

MAS/BT	nom. size	for clamping-Ø d1 h6 mm	d2 mm	d4 mm	l1 mm	l5 mm	l6 mm	SW	Code no.	EDP Number
30	20	3-20	40	53	82.0	20	3.0	4	20.030	9042440200300
40	20	3-20	40	63	70.5	18	3.0	4	20.040	9042440200400
40	20	3-20	40	63	120.0	48	3.0	4	120.040	9042441200400
50	20	3-20	40	63	81.5	18	3.0	4	20.050	9042440200500
50	20	3-20	40	63	167.5	84	3.0	4	120.050	9042441200500
40	25	16-32	53	63	109.5	-	3.5	4	25.040	9042440250400
50	25	16-32	70	70	121	-	3.5	4	25.050	9042440250500



➤ *HIGH CLAMPING FORCE*

➤ *IDEAL CLAMPING
FORCE TRANSFER
TO THE TOOL*

➤ *IMMENSE SPEEDS*

➤ *MAXIMUM RIGIDITY*

➤ *OPTIMAL FOR* ***i*machining[®]**

PRECISION CLAMPING CHUCKS

TECHNOLOGY AND ADVANTAGES

Gühring's precision clamping chucks offer highest clamping force particularly for milling operations but also for drilling and reaming as well as under HSC and HPC conditions. The special clamping sleeve is clamped via a worm gear and optimally transfers the enormous clamping force onto the clamped tool. This enables clamping forces of, for example, > 200 Nm for 12 mm shank diameters or > 300 Nm for 16 mm shank diameters.

New: Now available with PinLock pull-out protection!



• **This system offers the following advantages:**

- increased cutting depths in comparison to conventional tool holders
- increased radial engagement and subsequently higher material removal rate
- maintenance-free technology
- suitable for straight shanks to DIN 1835 A and B as well as to 6535 HA, HB and HE
- concentricity 3 μ m with 2.5 x D
- balancing quality: G2.5 / 20,000 rev./min or U < 1.2 gmm

Power milling with Pin**Lock**

Drawout secure volume machining – with Gührojet cooling
Perfect combination - HPC clamping chuck with PinLock drawout safety

- process reliable (no tool drawout, no component damage)
- long tool life and optimal surface finish
- simple handling
- standard milling tools therefore no licenses required

Thanks to the application of a PinLock clamping sleeve with securing pin any drawout of the applied standard milling tools with HB shank to DIN 6535 is safely prevented. The combination of HPC clamping technology with perfect concentricity and the efficient Gührojet peripheral cooling achieves, until now, unachieved metal removal rates, tool life and surface quality. All this with standard tools and absolute protection against unwanted drawout effects.



|GÜHROJET|



GÜHROJET clamping sleeves with peripheral cooling for precision clamping chucks

Product information

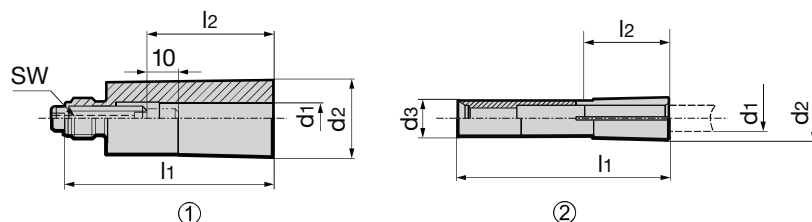
- for clamping tools with straight shank
- for maximum holding torque
- design with peripheral cooling thanks to long slots
- for tool shank tolerance h6
- Type 1: for HPC power clamping chucks
- Type 2: for HPC extensions
- Type P: PinLock drawout protection incl. 3 locking pins and assembly tool

Scope of delivery

- incl. length setting screw



GÜHROJET
PINLOCK



							Series no.	4302
nom. size	for shank Ø d1 h6 mm	d2 mm	l1 mm	l2 mm	Type	SW	Code no.	EDP Number
6	1	10	50	28	2	–	1.006	9043020010060
6	2	10	50	28	2	–	2.006	9043020020060
6	3	10	50	28	2	–	3.006	9043020030006
6	4	10	50	28	2	–	4.006	9043020040006
6	5	10	50	28	2	–	5.006	9043020050006
6	6	10	50	28	2	–	6.006	9043020060006
20	3	24.6	66	28	1	4	3.020	9043020030200
20	4	24.6	66	28	1	4	4.020	9043020040200
20	5	24.6	66	28	1	4	5.020	9043020050200
20	6	24.6	66	36	1	4	6.020	9043020060200
20	8	24.6	66	36	1	4	8.020	9043020080200
20	10	24.6	66	40	1	4	10.020	9043020100200
20	12	24.6	66	45	1	4	12.020	9043020120200
20	14	24.6	66	45	1	4	14.020	9043020140200
20	16	24.6	66	48	1	4	16.020	9043020160200
20	18	24.6	66	48	1	4	18.020	9043020180200
20	20	24.6	66	50	1	4	20.020	9043020200200
32	20	45.5	90	50	1	4	20.032	9043020200320
32	22	45.5	90	50	1	4	22.032	9043020220320
32	25	45.5	90	56	1	4	25.032	9043020250320
32	32	45.5	90	59	1	4	32.032	9043020320320
25	16	39	87.5	48	1	5	16.025	9043020160250
25	20	39	87.5	50	1	5	20.025	9043020200250
25	22	39	87.5	50	1	5	22.025	9043020220250
25	25	39	87.5	56	1	5	25.025	9043020250250
25	32	39	87.5	59	1	5	32.025	9043020320250
20	6	24.6	66	36	1/P	4	6.120	9043020061200
20	8	24.6	66	36	1/P	4	8.120	9043020081200
20	10	24.6	66	40	1/P	4	10.120	9043020101200
20	12	24.6	66	45	1/P	4	12.120	9043020121200
20	14	24.6	66	45	1/P	4	14.120	9043020141200
20	16	24.6	66	48	1/P	4	16.120	9043020161200
20	18	24.6	66	48	1/P	4	18.120	9043020181200
20	20	24.6	66	50	1/P	4	20.120	9043020201200
25	16	39	87.5	48	1/P	5	16.125	9043020161250
25	20	39	87.5	50	1/P	5	20.125	9043020201250
25	22	39	87.5	50	1/P	5	22.125	9043020221250
25	25	39	87.5	56	1/P	5	25.125	9043020251250

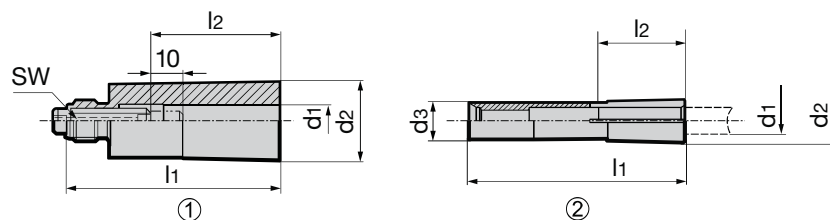
HPC
clamping chucks

Product information

- for clamping tools with straight shank
- high holding torque
- sealed design with short slots
- for tool shank tolerance h6
- Type 1: for HPC power clamping chucks
- Type 2: for HPC extensions

Scope of delivery

- incl. length setting screw



Series no.

4235

nom. size	for shank Ø d1 h6 mm	d2 mm	l1 mm	l2 mm	type	SW	Code no.	EDP Number
6	1	24.6	50	28	2	–	1.006	9042350010060
6	2	24.6	50	28	2	–	2.006	9042350020060
6	3	24.6	50	28	2	–	3.006	9042350030060
6	4	24.6	50	28	2	–	4.006	9042350040060
6	5	24.6	50	28	2	–	5.006	9042350050060
6	6	24.6	50	36	2	–	6.006	9042350060060
20	3	24.6	66	28	1	4	3.020	9042350030200
20	4	24.6	66	28	1	4	4.020	9042350040200
20	5	24.6	66	28	1	4	5.020	9042350050200
20	6	24.6	66	36	1	4	6.020	9042350060200
20	8	24.6	66	36	1	4	8.020	9042350080200
20	10	24.6	66	40	1	4	10.020	9042350100200
20	12	24.6	66	45	1	4	12.020	9042350120200
20	14	24.6	66	45	1	4	14.020	9042350140200
20	16	24.6	66	48	1	4	16.020	9042350160200
20	18	24.6	66	48	1	4	18.020	9042350180200
20	20	24.6	66	50	1	4	20.020	9042350200200
25	16	39	87.5	48	1	5	16.025	9042350160250
25	20	39	87.5	50	1	5	20.025	9042350200250
25	22	39	87.5	50	1	5	22.025	9042350220250
25	25	39	87.5	56	1	5	25.025	9042350250250
25	32	39	87.5	59	1	5	32.025	9042350320250
32	20	45.5	90	50	1	4	20.032	9042350200320
32	22	45.5	90	50	1	4	22.032	9042350220320
32	25	45.5	90	56	1	4	25.032	9042350250320
32	32	45.5	90	59	1	4	32.032	9042350320320

