

MICRO BORING HEADS

MODEL MIKRO

with fine-adjustment

Adjustment accuracy \varnothing 0,01 mm

Application

On jig borers, boring mills, milling machines, drilling and turning machines, capstan lathes and machine units for precision bores.

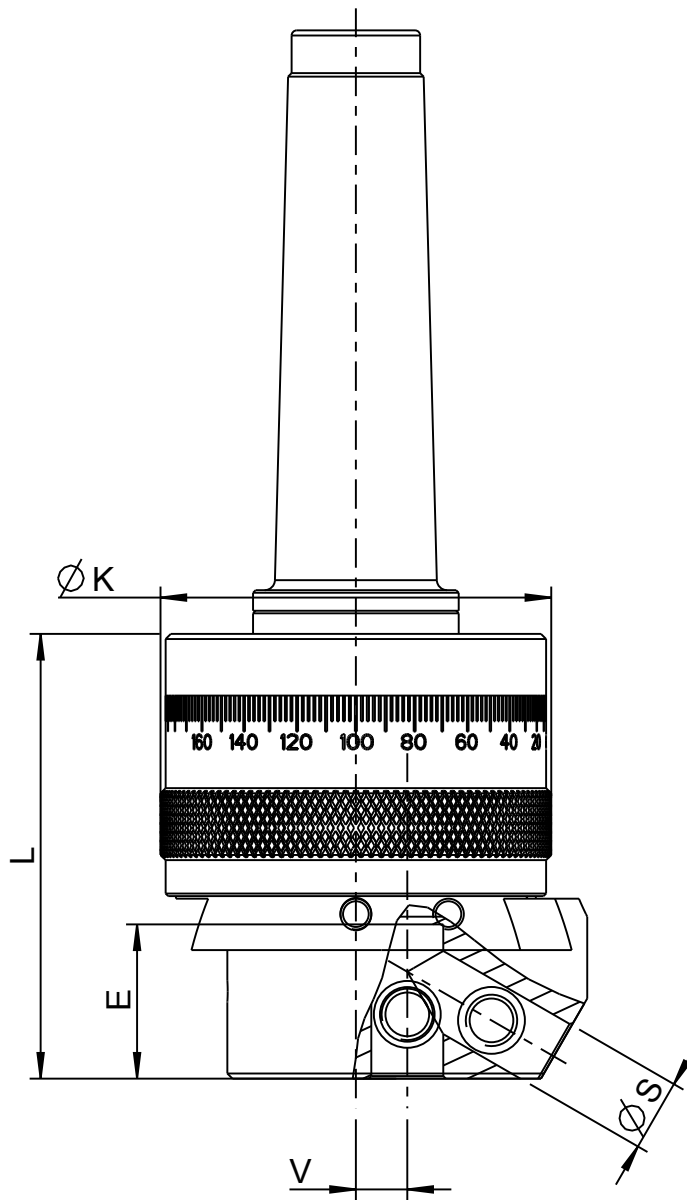
Facts

- Easy manipulation.
- Precise setting of the boring diameter by a big easy-to-read scale.
- Tool adjustment without key, only by turning the knurled micrometer drum.
- Large slide adjustment.
- Large boring capacity.
- Smallest bores can be machined by using the central tool reception and bigger bores by using the oblique tool reception.
- At high speed, the light-weight slide guarantees a minimum of out-of-balance.
- A minimum of vibration due to the short construction of the head.
- No displacement during machining, as the built-in locking mechanism acts on the slide and micrometer drum.
- Adjustment accuracy \varnothing 0,01 mm (Mikro size 4: 0,02 mm).

Available accessories

- Universal turning tools from HSS or with carbide tipped.
- Boring tools for oblique tool holding from HSS or with carbide tipped.
- Indexable insert holders.





Technical data

Model	Boring capacity at tool reception mm		Adjustment travel	Head Ø	Head length without shank	Tool reception	Depth of tool reception
	axial a Ø	oblique b Ø	V mm	K Ø mm	L mm	S Ø mm	E mm
Mikro 1	0,5 – 30	30 – 45	8	25	40	6	13
Mikro 2	0,5 – 40	40 – 65	11	35	50	8	19
Mikro 3	0,5 – 55	50 – 100	15	50	65	10	25
Mikro 4	0,5 – 80	75 – 170	26	75	90	14	31

Available shanks

Model	MT-Shanks	ISA-Shanks	Cyl. Shanks	
Mikro 1	MT 1	as required	Ø 10 mm	other shanks on request
Mikro 2	MT 1 and MT 2		Ø 10 mm and Ø 12 mm	
Mikro 3	MT 2 and MT 3		Ø 12 mm and Ø 16 mm	interchangeable shanks by size 4
Mikro 4	MT 3 and MT 4		if required	