



## AUTOMATED MAINTENANCE OF TOOL CLAMPING SYSTEMS

After about 75 operating hours or 20,000 changes of tool, tool clamping systems should be maintained in order to ensure process reliability and rule out mechanical breakdowns. In most cases this involves manual lubrication. This means time has to be taken to maintain manually, and there is a margin for error: the time chosen may not be ideal, or the quantity of lubricant may be incorrectly judged. Quite apart from the fact that in some cases lubrication fails to be carried out at all. In hope of making these problems a thing

of the past, RÖHM has developed its innovative Lubritool® lubrication device. Having been informed by the machine controls of the right moment in time, the product novelty Lubritool® is automatically deployed directly from the tool magazine, and supplies the tool clamping system with the ideal quantity of lubricant within seconds. This eliminates timewasting and costly maintaining operations, as well as ruling out mechanical breakdown.



# LUBRITool® LUBRICATION DEVICE

In order to guarantee the impeccable functioning of milling machines and machining centres, the tool clamping system should be maintained regularly. Unfortunately this requirement is often neglected in practice. With its innovative Lubritool® lubrication device, which has been submitted for a patent, RÖHM is launching a completely new product on the market – one that brings about automated lubrication within seconds.

## ADVANTAGES AT A GLANCE

- ⊕ Optimal lubrication – always the ideal lubricant, just at the right time, in the right quantity and place
- ⊕ No manual intervention needed – no failure to carry out maintenance
- ⊕ Reduced maintenance times – 5 seconds rather than 5 minutes





Lubritool® Lubrication device

# Lubritool® Lubrication device



### APPLICATION

For automated and manual maintenance of RÖHM clamping sets.

### TYPE

HSK-A for tool shafts A.

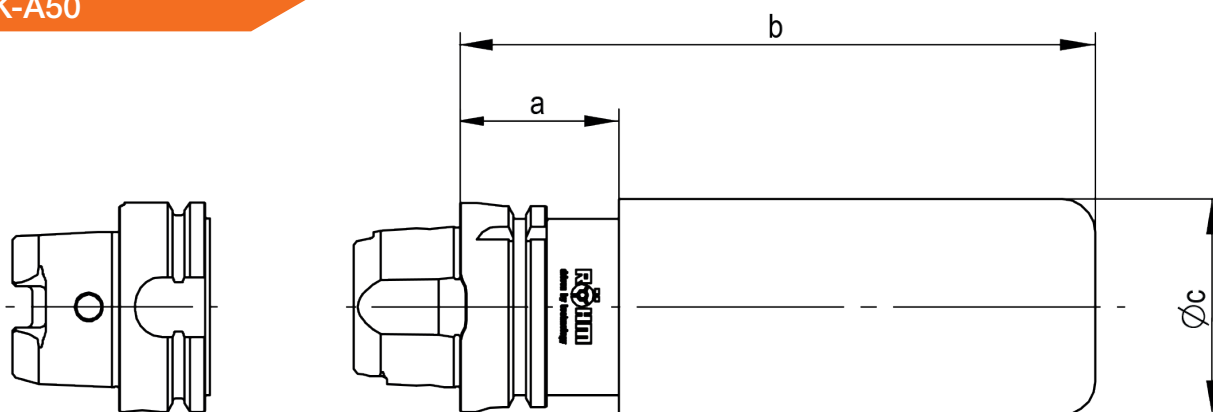
### CUSTOMER BENEFITS

- ⊕ Optimal lubrication - always the ideal lubricant, just at the right time, in the right quantity and place
- ⊕ Minimal maintenance times - 5 seconds than 5 minutes
- ⊕ Increasing the machine availability by about 10 hours/year.
- ⊕ Automated lubrication - never forget the maintenance again
- ⊕ Compact design - fits in any conventional machine tool

### TECHNICAL FEATURES

- Manifold ring for optimal distribution of the lubricant at the clamping set

NOW also as HSK-A40  
and HSK-A50



C 15  
Lubritool® lubrication device

Item No.	1334394	1334306	1330233	1323415
Interface design (ISO12164-1)	HSK-A40	HSK-A50	HSK-A63	HSK-A100
a mm	51	52	54	57
b mm	194,5	195,5	197,5	200,5
Ø c mm	65	65	65	65
Weight kg (without cartridge)	1,0	1,1	1,4	2,7
Weight kg (with cartridge)	1,2	1,3	1,6	2,9
Lubrication applications	100 cycles	100 cycles	100 cycles	100 cycles
Item No. Lubriflux grease cartridge (1 piece)	1339629	1339629	1339629	1339629

Other sizes "CAPTO C6" and "KM 4X63" are in preparation.  
Lubritool® is approved for all clamping sets from RÖHM and OTT Jakob.





## How Lubritool® works in the machine tool



Lubritool® is located in the tool magazine. Whenever the machine control notifies that a lubrication process is necessary, Lubritool® will be sent up into the spindle.



The lubrication impulse is automatically activated within the spindle. An optimal quantity of Lubriflux lubricant is sprayed onto the right place of the tool clamping system.



After the lubrication process, Lubritool® is sent back to the tool magazine and remains there until the next lubrication cycle.



Video Lubritool®  
in use