

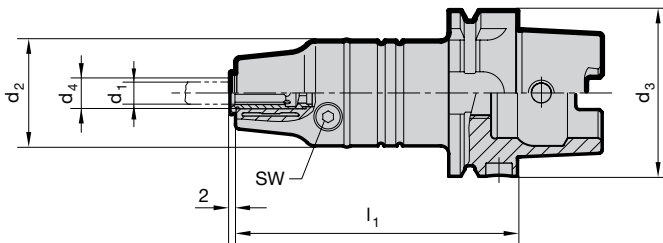
# HSK-A hydraulic synchro tapping chucks with internal cooling

## Product information

- compensates synchronisation errors
- guarantees high thread quality and optimal tool life
- minimal length compensation in tension and compression direction balances very small pitch differences between synchro spindle and tap
- reduces an increase in axial forces during the cutting cycle to a minimum
- convenient hydraulic clamping using reduction sleeves with active drive
- length-setting screw allows 3 mm readjustment
- suitable for internal cooling identifiable by black colored ring
- coolant pressure up to max. 80 bar

## Scope of delivery

- incl. hexagon clamping key  
Guhring no. 4912
- incl. adjustment key for adjustment screws
- order setting screw "face"  
Guhring no. 4364 separately
- order reduction sleeves  
Guhring no. 4605 or 4606 separately
- for conventional cooling order coolant delivery set Guhring no. 4949 separately



**GÜHRO**Sync

Series Number **4601**

HSK-A d <sub>3</sub>	d <sub>4</sub> mm	for shank Ø d <sub>1</sub> x VKT	for thread	d <sub>2</sub> mm	l <sub>1</sub> mm	tension/ compr. ± mm	SW	kg	Order Code	EDP Numbers
63	12	2.8 to 10	M3 to M12	40	106.5	0.3	4	1.5	12.063	9046010120630
63	20	6 to 16	M8 to M20	40	120.5	0.3	5	1.6	20.063	9046010200630
100	12	2.8 to 10	M3 to M12	40	113	0.3	4	2.8	12.100	9046010121000
100	20	6 to 16	M8 to M20	40	127	0.3	5	2.9	20.100	9046010201000