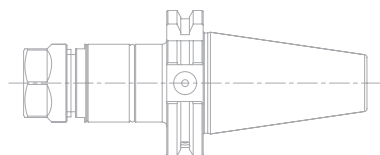


**SCHUMACHER**  
PRECISION TOOLS SINCE 1918

Developed by:

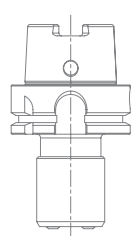
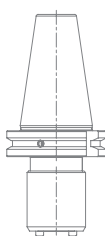
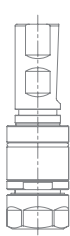
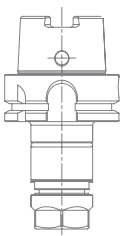
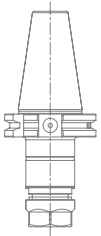
**ToolDesign**   
by Schumacher

CATALOGUE NO. 124'S - THREADING TECHNOLOGY



[www.schumachertool.de](http://www.schumachertool.de)

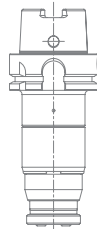
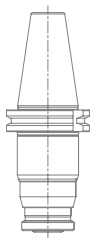
Edition  
**Tap Holder**  
New product development



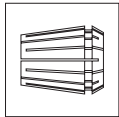
Products | Application | Service

## CONTENTS

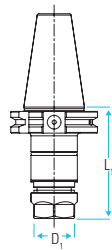
- 01 | Synchro tap holder for ER collets
- 04 | Synchro tap holder for quick change adapters
- 07 | Synchro tap holder for digital cutting data capture

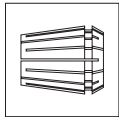


Edition  
Tap Holder  
New product development

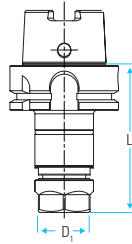


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|-----------------------|-----------------------------------------------------------------------------------|------------------------------------|--|--|--|
| Art.-No.              |  | S2000                              |  |  |  |
| Technology            |                                                                                   | NUMERIC                            |  |  |  |
| Tool Adaptation       |                                                                                   | ER (GB) collet                     |  |  |  |
| Shank Types           |                                                                                   | ISO taper shanks                   |  |  |  |
| Cooling & Lubrication |                                                                                   | internal coolant -lubricant supply |  |  |  |
|                       |                                                                                   |                                    |  |  |  |

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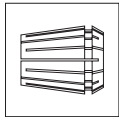


Supporting Digital Production



|                       |                                                                                   |                                    |  |  |  |
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| Art.-No.              |  | S2200                              |  |  |  |
| Technology            |                                                                                   | NUMERIC                            |  |  |  |
| Tool Adaptation       |                                                                                   | ER (GB) collet                     |  |  |  |
| Shank Types           |                                                                                   | Hollow taper shanks                |  |  |  |
| Cooling & Lubrication |                                                                                   | internal coolant -lubricant supply |  |  |  |

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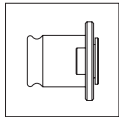


Supporting Digital Production

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| Art-No.               |  | S2400                              |  |  |  |  |
| Technology            |                                                                                   | NUMERIC                            |  |  |  |  |
| Tool Adaptation       |                                                                                   | ER (GB) collet                     |  |  |  |  |
| Shank Types           |                                                                                   | straight shank                     |  |  |  |  |
| Cooling & Lubrication |                                                                                   | internal coolant -lubricant supply |  |  |  |  |
|                       |                                                                                   |                                    |  |  |  |  |

[illegible]

minimum length compensation



**NUMERIC**  
Supporting Digital Production

[illegible][illegible]

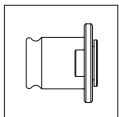
Tap Holder - NUMERIC

DIN 69893 HSK-A

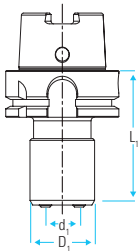
Group S4200  
for machines with synchronous spindle

minimum length compensation

NUMERIC  
Supporting Digital Production



Art.-No.  
Technology  
Tool Adaptation  
Shank Types  
Cooling & Lubrication



S4200  
NUMERIC  
Quick Change Adapter  
Hollow taper shanks  
—

| HSK-Size | Taps        | Ø d <sub>1</sub> | Ø D <sub>1</sub> | L <sub>1</sub> | C <sub>W</sub> | Size | Dimension | Availability |
|----------|-------------|------------------|------------------|----------------|----------------|------|-----------|--------------|
| 32       | M 3 - M 12  | 19               | 36               | 75             | 0.4 0.2        | 1    | 75/36     | ■            |
| 50       | M 3 - M 12  | 19               | 36               | 72             | 0.4 0.2        | 1    | 72/36     | ■            |
|          | M 8 - M 20  | 31               | 53               | 91             | 0.4 0.2        | 2    | 91/53     | ■            |
| 63       | M 3 - M 12  | 19               | 36               | 75             | 0.4 0.2        | 1    | 75/36     | ■            |
|          | M 3 - M 12  | 19               | 36               | 80             | 0.4 0.2        | 1    | 80/36     | ■            |
|          | M 3 - M 12  | 19               | 36               | 120            | 0.4 0.2        | 1    | 120/36    | ■            |
|          | M 3 - M 12  | 19               | 36               | 152            | 0.4 0.2        | 1    | 152/36    | ■            |
|          | M 3 - M 12  | 19               | 36               | 180            | 0.4 0.2        | 1    | 180/36    | ■            |
|          | M 8 - M 20  | 31               | 53               | 89             | 0.4 0.2        | 2    | 89/53     | ■            |
|          | M 14 - M 33 | 48               | 78               | 121            | 0.4 0.2        | 3    | 121/78    | ■            |
| 100      | M 3 - M 12  | 19               | 36               | 72             | 0.4 0.2        | 1    | 72/36     | ■            |
|          | M 3 - M 12  | 19               | 36               | 160            | 0.4 0.2        | 1    | 160/36    | ■            |
|          | M 8 - M 20  | 31               | 53               | 94             | 0.4 0.2        | 2    | 94/53     | ■            |
|          | M 8 - M 20  | 31               | 53               | 160            | 0.4 0.2        | 2    | 160/53    | ■            |
|          | M 14 - M 33 | 48               | 78               | 127            | 0.4 0.2        | 3    | 127/78    | ■            |
|          | M 14 - M 33 | 48               | 78               | 160            | 0.4 0.2        | 3    | 160/78    | ■            |

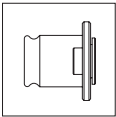
Tap Holder - NUMERIC

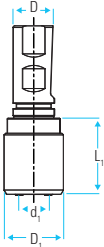
DIN 1835 B + E

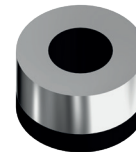
Group S4400  
for machines with synchronous spindle  
  
minimum length compensation

NUMERIC

Supporting Digital Production



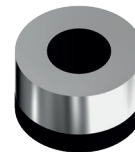
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| Art.-No.              |  |  |  |  |  | S4400                |  |  |  |
| Technology            |  |                                                                                    |  |  |  | NUMERIC              |  |  |  |
| Tool Adaptation       |  |                                                                                    |  |  |  | Quick Change Adapter |  |  |  |
| Shank Types           |  |                                                                                    |  |  |  | straight shank       |  |  |  |
| Cooling & Lubrication |  |                                                                                    |  |  |  | —                    |  |  |  |
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More at: [GAP-Digital.de](http://GAP-Digital.de)

Technical drawing of a nozzle assembly. The drawing shows a cross-section of the nozzle with a central vertical axis. The nozzle has a conical tip, a central hole, and a base with two small circular features. The length of the nozzle is labeled  $L$ , and the diameter of the base is labeled  $D_1$ .

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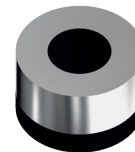


WEB-based corrections of the CNC machining parameters by AI algorithms via the GAP-8-Platform-Strategy  
More at: [GAP-Digital.de](http://GAP-Digital.de)

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## A detailed view of a Schwabe laser cutter nozzle, showing its conical tip and the brand name 'SCHWABE' on the body.



WEB-based corrections of the  
CNC machining parameters  
by AI algorithms via the  
GAP-8-Platform-Strategy  
More at: [GAP-Digital.de](http://GAP-Digital.de)

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**SCHUMACHER**  
PRECISION TOOLS SINCE 1918





**Schumacher** Precision Tools GmbH

Kueppelsteiner Strasse 18-20  
42857 Remscheid/Germany

[www.schumachertool.de](http://www.schumachertool.de)  
[info@schumachertool.de](mailto:info@schumachertool.de)  
Phone: +49 (0) 21 91 / 97 04-0