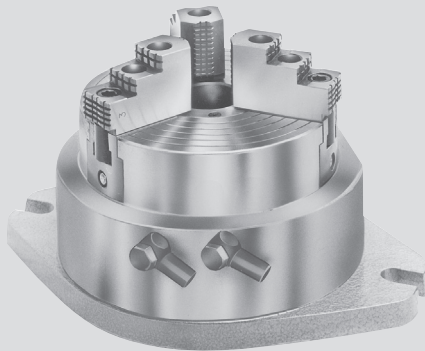


# STP

INCH SERRATION  
3 jaws

## Stationary chuck, pneumatic Ø 125 - 280 mm

- Built-in cylinder
- With through-hole



### Application/customer benefits

- Self centering stationary chuck used on milling machines / machining centers / special machines
- Low profile - large open center
- Easy installation on the machine

### Technical features

- Stationary chuck consisting of a 3-jaw chuck with a built-in pneumatic cylinder
- Operating pressure from 2 to 10 bar

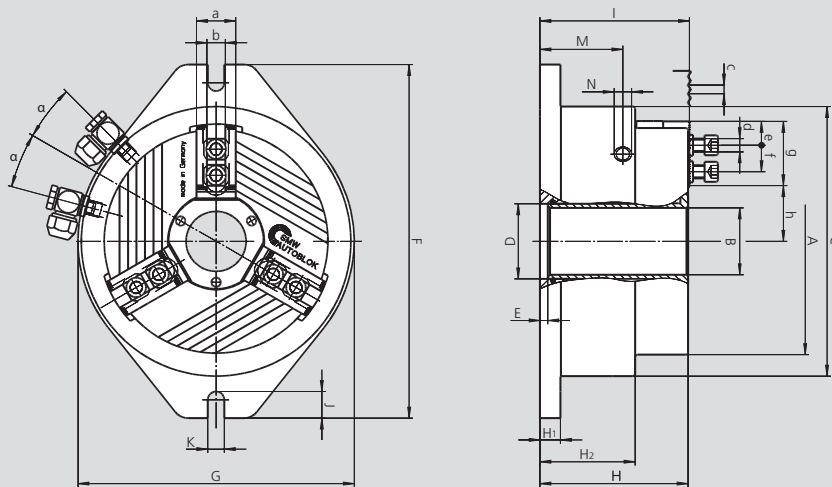
**Caution!** A service unit consisting of a filter, dryer and oiler must be installed in the supply line.

### Standard equipment

Stationary chuck  
1 set T-nuts with bolts  
1 set of soft blank top jaws  
2 elbow fittings G1/4"  
(G1/8" on STP 125)

### Ordering example

Stationary chuck STP 280 (3 jaws)



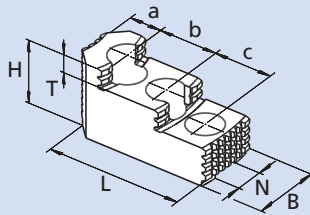
Subject to technical changes.  
For more detailed information please ask our customer service.

## Technical data

| SMW-AUTOBLOK Type<br>Id. No.   |      |                 | STP 125<br>013904 | STP 160<br>013905 | STP 240<br>053273 | STP 280<br>052810 |
|--------------------------------|------|-----------------|-------------------|-------------------|-------------------|-------------------|
|                                | A    | mm              | 136               | 171               | 240               | 284               |
|                                | B    | mm              | 26                | 38                | 78                | 92                |
|                                | C    | mm              | 156               | 201               | 250               | 316               |
|                                | D H6 | mm              | 34                | 46                | 86                | 102               |
|                                | E    | mm              | 8                 | 7.5               | 7                 | 6                 |
|                                | F    | mm              | 220               | 275               | 320               | 400               |
|                                | G    | mm              | 160               | 206               | 250               | 316               |
|                                | H    | mm              | 102.5             | 130               | 134               | 155.5             |
|                                | H1   | mm              | 14.5              | 19                | 18.5              | 23.5              |
|                                | H2   | mm              | 66                | 83                | 86                | 97.5              |
|                                | I    | mm              | 104               | 132               | 135.5             | 157               |
|                                | J    | mm              | 22                | 24                | 24                | 30                |
|                                | K    | mm              | 13                | 15                | 15                | 18                |
|                                | M    | mm              | 57                | 72                | 75                | 86                |
| Pneumatic connections          | N    | inch            | G 1/8"            | G 1/4"            | G 1/4"            | G 1/4"            |
|                                | a    | mm              | 25                | 30                | 36                | 44                |
|                                | b f7 | mm              | 12                | 14                | 17                | 21                |
| Serration                      | c    | inch            | 1/16" x 90°       | 1/16" x 90°       | 1/16" x 90°       | 1/16" x 90°       |
| Bolt ISO 4762 12.9             | d    | mm              | M8 x 30           | M10 x 35          | M12 x 35          | M16 x 40          |
| Min.                           | e    | mm              | 4                 | 6                 | 8                 | 12                |
| T-nuts distance min. / max.    | f    | mm              | 17/25             | 17/31             | 22/41.5           | 25/51             |
| Serration length               | g    | mm              | 40                | 50                | 59                | 75                |
| Min. / max.                    | h    | mm              | 25.9 / 28.9       | 24.9 / 37         | 57.7 / 61.9       | 70 / 65           |
|                                | α    | deg.            | 15                | 15                | 15                | 7.5               |
| Radial jaw stroke              |      | mm              | 3                 | 4.1               | 4.2               | 5                 |
| Operating pressure min. / max. |      | bar             | 2 / 10            | 2 / 10            | 2 / 10            | 2 / 10            |
| Piston area                    |      | cm <sup>2</sup> | 129               | 206               | 290               | 532               |
| Gripping force at 6 bar        |      | kN              | 20                | 35                | 60                | 95                |
| Air consumption at 6 bar       |      | l               | 1                 | 2.4               | 5.5               | 6.6               |
| Weight (without top jaws)      |      | kg              | 19                | 21                | 40                | 56                |

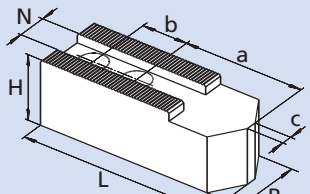
■ Top jaws  
■ T-nuts

## MHB-D Hardened reversible top jaws



| Chuck Type    | STP 125     | STP 160     | STP 240     | STP 280     |
|---------------|-------------|-------------|-------------|-------------|
| Jaw type      | MHB-D 125   | MHB-D 160   | MHB-D 200   | MHB-D 251   |
| Id. No. (set) | 12081306    | 12081636    | 12082036    | 12083036    |
| B             | 30          | 34          | 40          | 5           |
| H             | 34          | 39          | 45          | 56          |
| L             | 58          | 65          | 82          | 105         |
| T             | 8.5         | 10          | 10.5        | 13.5        |
| N             | 12          | 14          | 17          | 21          |
| Serration     | 1/16" x 90° | 1/16" x 90° | 1/16" x 90° | 1/16" x 90° |
| a             | 13          | 18          | 19          | 26          |
| b             | 16          | 16          | 23          | 30          |
| c             | 16          | 16          | 23          | 30          |
| kg / set      | 0.6         | 0.9         | 1.7         | 2.85        |

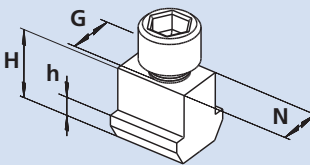
## AWB-D Soft top jaws



| Chuck Type    | STP 125     | STP 160     | STP 240     | STP 280     |
|---------------|-------------|-------------|-------------|-------------|
| Jaw type      | AWB-D 125   | AWB-D 165   | AWB-D 200   | AWB-D 250   |
| Id. No. (set) | 12071300*   | 035954      | 081616      | 081618      |
| B             | 30          | 40          | 40          | 50          |
| H             | 30          | 40          | 40          | 50          |
| L             | 60          | 80          | 90          | 120         |
| N             | 12          | 14          | 17          | 21          |
| Serration     | 1/16" x 90° | 1/16" x 90° | 1/16" x 90° | 1/16" x 90° |
| a             | 29          | 43          | 53          | 70          |
| b             | 16          | 22          | 22          | 28          |
| kg / set      | 0.9         | 2.0         | 2.7         | 5.1         |

\* Id. No. is per piece. 1 set = 3 pieces.

## NST T-nuts



| Chuck Type            | STP 125 | STP 160  | STP 240  | STP 280  |
|-----------------------|---------|----------|----------|----------|
| T-nut type            | NST 12  | NST 14   | NST 17-4 | NST 21-5 |
| Id. No.               | 089810* | 013863*  | 013864*  | 033429*  |
| N                     | 12      | 14       | 17       | 21       |
| H                     | 21.5    | 26.5     | 26.5     | 30       |
| h                     | 7.5     | 9.5      | 9.5      | 11       |
| G                     | M8      | M10      | M12      | M16      |
| Bolt<br>ISO 4762 12.9 | M8 x 30 | M10 x 35 | M12 x 35 | M16 x 40 |
| Tighten torque        | 30      | 50       | 70       | 150      |

\* Id. No. is per piece. 1 set = 6 pieces.

JAWS-CATALOG  
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